

SAFETY DATA SHEET

PolyAcrylic Acid KIT, Part Number PL2140-0100

Section 1. Identification

1.1 Product identifier

Product name : PolyAcrylic Acid KIT, Part Number PL2140-0100

Part No. (Chemical Kit) : PL2140-0100

Part No. :

| | |
|-------------------|----------------|
| Nominal 1K | Not available. |
| Nominal 3K | Not available. |
| Nominal 7K | Not available. |
| Nominal 13K | Not available. |
| Nominal 30K | Not available. |
| Nominal 70K | Not available. |
| Nominal 130K | Not available. |
| Nominal 300K | Not available. |
| Nominal 700K | Not available. |
| Nominal 1 Million | Not available. |

Validation date : 11/21/2017

1.2 Relevant identified uses of the substance or mixture and uses advised against

Material uses : Analytical chemistry.
0.2 g x 10 Bottle

| | |
|-------------------|-------|
| Nominal 1K | 0.2 g |
| Nominal 3K | 0.2 g |
| Nominal 7K | 0.2 g |
| Nominal 13K | 0.2 g |
| Nominal 30K | 0.2 g |
| Nominal 70K | 0.2 g |
| Nominal 130K | 0.2 g |
| Nominal 300K | 0.2 g |
| Nominal 700K | 0.2 g |
| Nominal 1 Million | 0.2 g |

1.3 Details of the supplier of the safety data sheet

Supplier/Manufacturer : Agilent Technologies, Inc.
5301 Stevens Creek Blvd
Santa Clara, CA 95051, USA
800-227-9770

1.4 Emergency telephone number

In case of emergency : CHEMTREC®: 1-800-424-9300

Section 2. Hazards identification

2.1 Classification of the substance or mixture

| | | |
|--------------------------|--|---|
| OSHA/HCS status : | <input checked="" type="checkbox"/> Nominal 1K | This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). |
| | Nominal 3K | This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). |
| | Nominal 7K | This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). |
| | Nominal 13K | This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). |
| | Nominal 30K | This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). |

Section 2. Hazards identification

| | |
|-------------------|---|
| Nominal 70K | This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). |
| Nominal 130K | This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). |
| Nominal 300K | This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). |
| Nominal 700K | This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). |
| Nominal 1 Million | This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). |

Classification of the substance or mixture

Nominal 1K

Comb. Dusts
H319

COMBUSTIBLE DUSTS
EYE IRRITATION - Category 2A

Nominal 3K

Comb. Dusts
H319

COMBUSTIBLE DUSTS
EYE IRRITATION - Category 2A

Nominal 7K

Comb. Dusts
H319

COMBUSTIBLE DUSTS
EYE IRRITATION - Category 2A

Nominal 13K

Comb. Dusts
H319

COMBUSTIBLE DUSTS
EYE IRRITATION - Category 2A

Nominal 30K

Comb. Dusts
H319

COMBUSTIBLE DUSTS
EYE IRRITATION - Category 2A

Nominal 70K

Comb. Dusts
H319

COMBUSTIBLE DUSTS
EYE IRRITATION - Category 2A

Nominal 130K

Comb. Dusts
H319

COMBUSTIBLE DUSTS
EYE IRRITATION - Category 2A

Nominal 300K

Comb. Dusts
H319

COMBUSTIBLE DUSTS
EYE IRRITATION - Category 2A

Nominal 700K

Comb. Dusts
H319

COMBUSTIBLE DUSTS
EYE IRRITATION - Category 2A

Nominal 1 Million

Comb. Dusts
H319

COMBUSTIBLE DUSTS
EYE IRRITATION - Category 2A

[2.2 GHS label elements](#)

Section 2. Hazards identification

Hazard pictograms

: Nominal 1K



Nominal 3K



Nominal 7K



Nominal 13K



Nominal 30K



Nominal 70K



Nominal 130K



Nominal 300K



Nominal 700K



Nominal 1 Million



Signal word

: Nominal 1K

Warning

Nominal 3K

Warning

Nominal 7K

Warning

Nominal 13K

Warning

Nominal 30K

Warning

Nominal 70K

Warning

Nominal 130K

Warning

Nominal 300K

Warning

Nominal 700K

Warning

Section 2. Hazards identification

| | | |
|--|-------------------|--|
| Hazard statements | Nominal 1 Million | Warning |
| | : Nominal 1K | No Code(s) - May form combustible dust concentrations in air. H319 - Causes serious eye irritation. |
| | Nominal 3K | No Code(s) - May form combustible dust concentrations in air. H319 - Causes serious eye irritation. |
| | Nominal 7K | No Code(s) - May form combustible dust concentrations in air. H319 - Causes serious eye irritation. |
| | Nominal 13K | No Code(s) - May form combustible dust concentrations in air. H319 - Causes serious eye irritation. |
| | Nominal 30K | No Code(s) - May form combustible dust concentrations in air. H319 - Causes serious eye irritation. |
| | Nominal 70K | No Code(s) - May form combustible dust concentrations in air. H319 - Causes serious eye irritation. |
| | Nominal 130K | No Code(s) - May form combustible dust concentrations in air. H319 - Causes serious eye irritation. |
| | Nominal 300K | No Code(s) - May form combustible dust concentrations in air. H319 - Causes serious eye irritation. |
| | Nominal 700K | No Code(s) - May form combustible dust concentrations in air. H319 - Causes serious eye irritation. |
| | Nominal 1 Million | No Code(s) - May form combustible dust concentrations in air. H319 - Causes serious eye irritation. |
| <u>Precautionary statements</u> | | |
| Prevention | : Nominal 1K | P280 - Wear eye or face protection. P264 - Wash hands thoroughly after handling. |
| | Nominal 3K | P280 - Wear eye or face protection. P264 - Wash hands thoroughly after handling. |
| | Nominal 7K | P280 - Wear eye or face protection. P264 - Wash hands thoroughly after handling. |
| | Nominal 13K | P280 - Wear eye or face protection. P264 - Wash hands thoroughly after handling. |
| | Nominal 30K | P280 - Wear eye or face protection. P264 - Wash hands thoroughly after handling. |
| | Nominal 70K | P280 - Wear eye or face protection. P264 - Wash hands thoroughly after handling. |
| | Nominal 130K | P280 - Wear eye or face protection. P264 - Wash hands thoroughly after handling. |
| | Nominal 300K | P280 - Wear eye or face protection. P264 - Wash hands thoroughly after handling. |
| | Nominal 700K | P280 - Wear eye or face protection. P264 - Wash hands thoroughly after handling. |
| | | Nominal 1 Million |

Section 2. Hazards identification

| | | | |
|-----------------|---|-------------------|---|
| Response | : | Nominal 1K | P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical attention. |
| | | Nominal 3K | P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical attention. |
| | | Nominal 7K | P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical attention. |
| | | Nominal 13K | P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical attention. |
| | | Nominal 30K | P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical attention. |
| | | Nominal 70K | P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical attention. |
| | | Nominal 130K | P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical attention. |
| | | Nominal 300K | P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical attention. |
| | | Nominal 700K | P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical attention. |
| | | Nominal 1 Million | P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical attention. |

Section 2. Hazards identification

Storage

| | | |
|---------------------------------------|-------------------|-----------------|
| : <input checked="" type="checkbox"/> | Nominal 1K | attention. |
| | Nominal 3K | Not applicable. |
| | Nominal 7K | Not applicable. |
| | Nominal 13K | Not applicable. |
| | Nominal 30K | Not applicable. |
| | Nominal 70K | Not applicable. |
| | Nominal 130K | Not applicable. |
| | Nominal 300K | Not applicable. |
| | Nominal 700K | Not applicable. |
| | Nominal 1 Million | Not applicable. |

Disposal

| | | |
|---------------------------------------|-------------------|-----------------|
| : <input checked="" type="checkbox"/> | Nominal 1K | Not applicable. |
| | Nominal 3K | Not applicable. |
| | Nominal 7K | Not applicable. |
| | Nominal 13K | Not applicable. |
| | Nominal 30K | Not applicable. |
| | Nominal 70K | Not applicable. |
| | Nominal 130K | Not applicable. |
| | Nominal 300K | Not applicable. |
| | Nominal 700K | Not applicable. |
| | Nominal 1 Million | Not applicable. |

Supplemental label elements

| | | |
|---------------------------------------|-------------------|--|
| : <input checked="" type="checkbox"/> | Nominal 1K | Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Prevent dust accumulation. |
| | Nominal 3K | Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Prevent dust accumulation. |
| | Nominal 7K | Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Prevent dust accumulation. |
| | Nominal 13K | Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Prevent dust accumulation. |
| | Nominal 30K | Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Prevent dust accumulation. |
| | Nominal 70K | Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Prevent dust accumulation. |
| | Nominal 130K | Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Prevent dust accumulation. |
| | Nominal 300K | Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Prevent dust accumulation. |
| | Nominal 700K | Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Prevent dust accumulation. |
| | Nominal 1 Million | Keep container tightly closed. Keep away from |

Section 2. Hazards identification

heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Prevent dust accumulation.

2.3 Other hazards

Hazards not otherwise classified

| | |
|-------------------|-------------|
| : Nominal 1K | None known. |
| Nominal 3K | None known. |
| Nominal 7K | None known. |
| Nominal 13K | None known. |
| Nominal 30K | None known. |
| Nominal 70K | None known. |
| Nominal 130K | None known. |
| Nominal 300K | None known. |
| Nominal 700K | None known. |
| Nominal 1 Million | None known. |

Section 3. Composition/information on ingredients

| | | | |
|--------------------------|---|-------------------|-----------|
| Substance/mixture | : | Nominal 1K | Substance |
| | | Nominal 3K | Substance |
| | | Nominal 7K | Substance |
| | | Nominal 13K | Substance |
| | | Nominal 30K | Substance |
| | | Nominal 70K | Substance |
| | | Nominal 130K | Substance |
| | | Nominal 300K | Substance |
| | | Nominal 700K | Substance |
| | | Nominal 1 Million | Substance |

| Ingredient name | % | CAS number |
|---|-----|------------|
| Nominal 1K Sodium poly acrylate | 100 | 9003-04-7 |
| Nominal 3K Sodium poly acrylate | 100 | 9003-04-7 |
| Nominal 7K Sodium poly acrylate | 100 | 9003-04-7 |
| Nominal 13K Sodium poly acrylate | 100 | 9003-04-7 |
| Nominal 30K Sodium poly acrylate | 100 | 9003-04-7 |
| Nominal 70K Sodium poly acrylate | 100 | 9003-04-7 |
| Nominal 130K Sodium poly acrylate | 100 | 9003-04-7 |
| Nominal 300K Sodium poly acrylate | 100 | 9003-04-7 |
| Nominal 700K Sodium poly acrylate | 100 | 9003-04-7 |
| Nominal 1 Million | | |

Section 3. Composition/information on ingredients

| | | |
|----------------------|-----|-----------|
| Sodium poly acrylate | 100 | 9003-04-7 |
|----------------------|-----|-----------|

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

4.1 Description of necessary first aid measures

Eye contact

| | |
|-------------------|---|
| Nominal 1K | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention. |
| Nominal 3K | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention. |
| Nominal 7K | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention. |
| Nominal 13K | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention. |
| Nominal 30K | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention. |
| Nominal 70K | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention. |
| Nominal 130K | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention. |
| Nominal 300K | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention. |
| Nominal 700K | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention. |
| Nominal 1 Million | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. |

Section 4. First aid measures

Inhalation

: Nominal 1K

Continue to rinse for at least 10 minutes. Get medical attention.

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Nominal 3K

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Nominal 7K

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Nominal 13K

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Nominal 30K

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position

Section 4. First aid measures

| | |
|-------------------|---|
| Nominal 70K | and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| Nominal 130K | Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| Nominal 300K | Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| Nominal 700K | Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| Nominal 1 Million | Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are |

Section 4. First aid measures

| | | |
|---------------------|-------------------|---|
| Skin contact | : Nominal 1K | severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse. |
| | Nominal 3K | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse. |
| | Nominal 7K | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse. |
| | Nominal 13K | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse. |
| | Nominal 30K | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse. |
| | Nominal 70K | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse. |
| | Nominal 130K | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse. |
| | Nominal 300K | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse. |
| | Nominal 700K | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse. |
| | Nominal 1 Million | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse. |

Section 4. First aid measures

Ingestion

: Nominal 1K

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Nominal 3K

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Nominal 7K

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Nominal 13K

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never

Section 4. First aid measures

Nominal 30K

give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Nominal 70K

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Nominal 130K

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Nominal 300K

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting

Section 4. First aid measures

| | |
|-------------------|--|
| Nominal 700K | <p>may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</p> <p>Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</p> |
| Nominal 1 Million | <p>Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</p> |

4.2 Most important symptoms/effects, acute and delayed

Potential acute health effects

| | | |
|--------------------|--|--|
| Eye contact | : Nominal 1K Nominal 3K Nominal 7K Nominal 13K Nominal 30K Nominal 70K Nominal 130K Nominal 300K Nominal 700K Nominal 1 Million | <p>Causes serious eye irritation. Causes serious eye irritation. Causes serious eye irritation. Causes serious eye irritation. Causes serious eye irritation. Causes serious eye irritation. Causes serious eye irritation. Causes serious eye irritation. Causes serious eye irritation. Causes serious eye irritation.</p> |
|--------------------|--|--|

Section 4. First aid measures

| | | |
|---------------------|-------------------|--|
| Inhalation | : Nominal 1K | Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. |
| | Nominal 3K | Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. |
| | Nominal 7K | Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. |
| | Nominal 13K | Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. |
| | Nominal 30K | Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. |
| | Nominal 70K | Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. |
| | Nominal 130K | Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. |
| | Nominal 300K | Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. |
| | Nominal 700K | Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. |
| | Nominal 1 Million | Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. |
| Skin contact | : Nominal 1K | No known significant effects or critical hazards. |
| | Nominal 3K | No known significant effects or critical hazards. |
| | Nominal 7K | No known significant effects or critical hazards. |
| | Nominal 13K | No known significant effects or critical hazards. |
| | Nominal 30K | No known significant effects or critical hazards. |
| | Nominal 70K | No known significant effects or critical hazards. |
| | Nominal 130K | No known significant effects or critical hazards. |
| | Nominal 300K | No known significant effects or critical hazards. |
| | Nominal 700K | No known significant effects or critical hazards. |
| | Nominal 1 Million | No known significant effects or critical hazards. |
| Ingestion | : Nominal 1K | No known significant effects or critical hazards. |
| | Nominal 3K | No known significant effects or critical hazards. |
| | Nominal 7K | No known significant effects or critical hazards. |
| | Nominal 13K | No known significant effects or critical hazards. |
| | Nominal 30K | No known significant effects or critical hazards. |
| | Nominal 70K | No known significant effects or critical hazards. |
| | Nominal 130K | No known significant effects or critical hazards. |
| | Nominal 300K | No known significant effects or critical hazards. |
| | Nominal 700K | No known significant effects or critical hazards. |
| | Nominal 1 Million | No known significant effects or critical hazards. |

Over-exposure signs/symptoms

| | | |
|--------------------|--------------|--|
| Eye contact | : Nominal 1K | Adverse symptoms may include the following: pain or irritation watering redness |
| | Nominal 3K | Adverse symptoms may include the following: pain or irritation watering |

Section 4. First aid measures

| | | |
|-------------------|-------------------|--|
| | Nominal 7K | redness Adverse symptoms may include the following: pain or irritation watering |
| | Nominal 13K | redness Adverse symptoms may include the following: pain or irritation watering |
| | Nominal 30K | redness Adverse symptoms may include the following: pain or irritation watering |
| | Nominal 70K | redness Adverse symptoms may include the following: pain or irritation watering |
| | Nominal 130K | redness Adverse symptoms may include the following: pain or irritation watering |
| | Nominal 300K | redness Adverse symptoms may include the following: pain or irritation watering |
| | Nominal 700K | redness Adverse symptoms may include the following: pain or irritation watering |
| | Nominal 1 Million | redness Adverse symptoms may include the following: pain or irritation watering |
| Inhalation | : Nominal 1K | redness Adverse symptoms may include the following: respiratory tract irritation coughing |
| | Nominal 3K | Adverse symptoms may include the following: respiratory tract irritation coughing |
| | Nominal 7K | Adverse symptoms may include the following: respiratory tract irritation coughing |
| | Nominal 13K | Adverse symptoms may include the following: respiratory tract irritation coughing |
| | Nominal 30K | Adverse symptoms may include the following: respiratory tract irritation coughing |
| | Nominal 70K | Adverse symptoms may include the following: respiratory tract irritation coughing |
| | Nominal 130K | Adverse symptoms may include the following: respiratory tract irritation coughing |
| | Nominal 300K | Adverse symptoms may include the following: respiratory tract irritation coughing |
| | Nominal 700K | Adverse symptoms may include the following: respiratory tract irritation |

Section 4. First aid measures

| | | |
|---------------------|--|--|
| | Nominal 1 Million | coughing Adverse symptoms may include the following: respiratory tract irritation coughing |
| Skin contact | : Nominal 1K Nominal 3K Nominal 7K Nominal 13K Nominal 30K Nominal 70K Nominal 130K Nominal 300K Nominal 700K Nominal 1 Million | No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. |
| Ingestion | : Nominal 1K Nominal 3K Nominal 7K Nominal 13K Nominal 30K Nominal 70K Nominal 130K Nominal 300K Nominal 700K Nominal 1 Million | No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. |

4.3 Indication of immediate medical attention and special treatment needed, if necessary

| | | |
|---------------------------|-------------------|---|
| Notes to physician | : Nominal 1K | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | Nominal 3K | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | Nominal 7K | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | Nominal 13K | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | Nominal 30K | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | Nominal 70K | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | Nominal 130K | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | Nominal 300K | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | Nominal 700K | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | Nominal 1 Million | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |

Section 4. First aid measures

| | | |
|-----------------------------------|--|--|
| Specific treatments | : Nominal 1K Nominal 3K Nominal 7K Nominal 13K Nominal 30K Nominal 70K Nominal 130K Nominal 300K Nominal 700K Nominal 1 Million | No specific treatment. No specific treatment. No specific treatment. No specific treatment. No specific treatment. No specific treatment. No specific treatment. No specific treatment. No specific treatment. No specific treatment. |
| Protection of first-aiders | : Nominal 1K Nominal 3K Nominal 7K Nominal 13K Nominal 30K Nominal 70K Nominal 130K Nominal 300K Nominal 700K Nominal 1 Million | No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. |

See toxicological information (Section 11)

Section 5. Fire-fighting measures

5.1 Extinguishing media

| | | | |
|---------------------------------------|---|-------------------|---|
| Suitable extinguishing media | : | Nominal 1K | Use dry chemical powder. |
| | | Nominal 3K | Use dry chemical powder. |
| | | Nominal 7K | Use dry chemical powder. |
| | | Nominal 13K | Use dry chemical powder. |
| | | Nominal 30K | Use dry chemical powder. |
| | | Nominal 70K | Use dry chemical powder. |
| | | Nominal 130K | Use dry chemical powder. |
| | | Nominal 300K | Use dry chemical powder. |
| | | Nominal 700K | Use dry chemical powder. |
| | | Nominal 1 Million | Use dry chemical powder. |
| Unsuitable extinguishing media | : | Nominal 1K | Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture. |
| | | Nominal 3K | Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture. |
| | | Nominal 7K | Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture. |
| | | Nominal 13K | Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture. |
| | | Nominal 30K | Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture. |
| | | Nominal 70K | Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture. |
| | | Nominal 130K | Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture. |
| | | Nominal 300K | Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture. |
| | | Nominal 700K | Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture. |
| | | Nominal 1 Million | Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture. |

5.2 Special hazards arising from the substance or mixture

| | | | |
|---|---|-------------------|--|
| Specific hazards arising from the chemical | : | Nominal 1K | May form explosible dust-air mixture if dispersed. |
| | | Nominal 3K | May form explosible dust-air mixture if dispersed. |
| | | Nominal 7K | May form explosible dust-air mixture if dispersed. |
| | | Nominal 13K | May form explosible dust-air mixture if dispersed. |
| | | Nominal 30K | May form explosible dust-air mixture if dispersed. |
| | | Nominal 70K | May form explosible dust-air mixture if dispersed. |
| | | Nominal 130K | May form explosible dust-air mixture if dispersed. |
| | | Nominal 300K | May form explosible dust-air mixture if dispersed. |
| | | Nominal 700K | May form explosible dust-air mixture if dispersed. |
| | | Nominal 1 Million | May form explosible dust-air mixture if dispersed. |
| Hazardous thermal decomposition products | : | Nominal 1K | Decomposition products may include the following materials: carbon dioxide carbon monoxide metal oxide/oxides |
| | | Nominal 3K | Decomposition products may include the following materials: carbon dioxide carbon monoxide metal oxide/oxides |
| | | Nominal 7K | Decomposition products may include the following materials: carbon dioxide |

Section 5. Fire-fighting measures

| | |
|-------------------|---|
| Nominal 13K | carbon monoxide metal oxide/oxides Decomposition products may include the following materials: carbon dioxide carbon monoxide metal oxide/oxides |
| Nominal 30K | Decomposition products may include the following materials: carbon dioxide carbon monoxide metal oxide/oxides |
| Nominal 70K | Decomposition products may include the following materials: carbon dioxide carbon monoxide metal oxide/oxides |
| Nominal 130K | Decomposition products may include the following materials: carbon dioxide carbon monoxide metal oxide/oxides |
| Nominal 300K | Decomposition products may include the following materials: carbon dioxide carbon monoxide metal oxide/oxides |
| Nominal 700K | Decomposition products may include the following materials: carbon dioxide carbon monoxide metal oxide/oxides |
| Nominal 1 Million | Decomposition products may include the following materials: carbon dioxide carbon monoxide metal oxide/oxides |

5.3 Advice for firefighters

Special protective actions for fire-fighters

| | |
|--------------|--|
| : Nominal 1K | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. |
| Nominal 3K | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. |
| Nominal 7K | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. |
| Nominal 13K | Promptly isolate the scene by removing all persons |

Section 5. Fire-fighting measures

from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Nominal 30K

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Nominal 70K

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Nominal 130K

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Nominal 300K

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Nominal 700K

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Nominal 1 Million

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters

: Nominal 1K

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Nominal 3K

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Nominal 7K

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Nominal 13K

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Nominal 30K

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus

Section 5. Fire-fighting measures

| | |
|-------------------|--|
| Nominal 70K | (SCBA) with a full face-piece operated in positive pressure mode. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| Nominal 130K | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| Nominal 300K | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| Nominal 700K | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| Nominal 1 Million | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: Nominal 1K

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and

Nominal 3K

Nominal 7K

Nominal 13K

Section 6. Accidental release measures

| | |
|-------------------|--|
| Nominal 30K | <p>unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.</p> |
| Nominal 70K | <p>No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.</p> |
| Nominal 130K | <p>No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.</p> |
| Nominal 300K | <p>No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.</p> |
| Nominal 700K | <p>No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.</p> |
| Nominal 1 Million | <p>No action shall be taken involving any personal risk or without suitable training. Evacuate</p> |

Section 6. Accidental release measures

surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

| | | |
|--------------------------------------|-------------------|---|
| For emergency responders | : Nominal 1K | If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| | Nominal 3K | If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| | Nominal 7K | If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| | Nominal 13K | If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| | Nominal 30K | If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| | Nominal 70K | If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| | Nominal 130K | If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| | Nominal 300K | If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| | Nominal 700K | If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| | Nominal 1 Million | If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| 6.2 Environmental precautions | : Nominal 1K | Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| | Nominal 3K | Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, |

Section 6. Accidental release measures

| | |
|-------------------|---|
| Nominal 7K | waterways, soil or air). Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| Nominal 13K | Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| Nominal 30K | Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| Nominal 70K | Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| Nominal 130K | Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| Nominal 300K | Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| Nominal 700K | Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| Nominal 1 Million | Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Nominal 1K

Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Nominal 3K

Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Nominal 7K

Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Avoid dust generation. Using a vacuum with HEPA filter will

Section 6. Accidental release measures

| | |
|-------------------|--|
| Nominal 13K | reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. |
| Nominal 30K | Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. |
| Nominal 70K | Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. |
| Nominal 130K | Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. |
| Nominal 300K | Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. |
| Nominal 700K | Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. |
| Nominal 1 Million | Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. |

Section 7. Handling and storage

7.1 Precautions for safe handling

Protective measures : Nominal 1K

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Prevent dust accumulation. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in

Section 7. Handling and storage

Nominal 3K

use. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container. Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Prevent dust accumulation. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container. Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Prevent dust accumulation. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container. Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Prevent dust accumulation. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a

Nominal 7K

Nominal 13K

Section 7. Handling and storage

when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove

Advice on general occupational hygiene

: Nominal 1K

Nominal 3K

Nominal 7K

Nominal 13K

Nominal 30K


Nominal 70K

Nominal 130K

Section 7. Handling and storage

| | |
|-------------------|---|
| Nominal 300K | contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| Nominal 700K | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| Nominal 1 Million | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |

7.2 Conditions for safe storage, including any incompatibilities

| | |
|--|--|
| :  Nominal 1K | Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. |
| Nominal 3K | Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. |
| Nominal 7K | Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate |

Section 7. Handling and storage

| | |
|--------------|---|
| | <p>from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p> |
| Nominal 13K | <p>Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p> |
| Nominal 30K | <p>Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p> |
| Nominal 70K | <p>Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p> |
| Nominal 130K | <p>Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed</p> |

Section 7. Handling and storage

| | |
|-------------------|---|
| Nominal 300K | <p>and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p> <p>Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p> |
| Nominal 700K | <p>Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p> |
| Nominal 1 Million | <p>Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p> |

7.3 Specific end use(s)

Recommendations

| | |
|--------------|---|
| : Nominal 1K | Industrial applications, Professional applications. |
| Nominal 3K | Industrial applications, Professional applications. |
| Nominal 7K | Industrial applications, Professional applications. |
| Nominal 13K | Industrial applications, Professional applications. |
| Nominal 30K | Industrial applications, Professional applications. |
| Nominal 70K | Industrial applications, Professional applications. |
| Nominal 130K | Industrial applications, Professional applications. |
| Nominal 300K | Industrial applications, Professional applications. |
| Nominal 700K | Industrial applications, Professional applications. |

Section 7. Handling and storage

| | | |
|---|-------------------|---|
| Industrial sector specific solutions | Nominal 1 Million | Industrial applications, Professional applications. |
| | : Nominal 1K | Not applicable. |
| | Nominal 3K | Not applicable. |
| | Nominal 7K | Not applicable. |
| | Nominal 13K | Not applicable. |
| | Nominal 30K | Not applicable. |
| | Nominal 70K | Not applicable. |
| | Nominal 130K | Not applicable. |
| | Nominal 300K | Not applicable. |
| | Nominal 700K | Not applicable. |
| Nominal 1 Million | Not applicable. | |

Section 8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

| Ingredient name | Exposure limits |
|--|-----------------|
| Nominal 1K Sodium poly acrylate | None. |
| Nominal 3K Sodium poly acrylate | None. |
| Nominal 7K Sodium poly acrylate | None. |
| Nominal 13K Sodium poly acrylate | None. |
| Nominal 30K Sodium poly acrylate | None. |
| Nominal 70K Sodium poly acrylate | None. |
| Nominal 130K Sodium poly acrylate | None. |
| Nominal 300K Sodium poly acrylate | None. |
| Nominal 700K Sodium poly acrylate | None. |
| Nominal 1 Million Sodium poly acrylate | None. |

8.2 Exposure controls

Appropriate engineering controls

: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental exposure controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Section 8. Exposure controls/personal protection

Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

| | | | |
|-----------------------|--------------|-------------------|------------------|
| Physical state | : | Nominal 1K | Solid. [Powder.] |
| | | Nominal 3K | Solid. [Powder.] |
| | | Nominal 7K | Solid. [Powder.] |
| | | Nominal 13K | Solid. [Powder.] |
| | | Nominal 30K | Solid. [Powder.] |
| | | Nominal 70K | Solid. [Powder.] |
| | | Nominal 130K | Solid. [Powder.] |
| | | Nominal 300K | Solid. [Powder.] |
| | | Nominal 700K | Solid. [Powder.] |
| | | Nominal 1 Million | Solid. [Powder.] |
| | Color | : | Nominal 1K |
| | | Nominal 3K | White. |
| | | Nominal 7K | White. |
| | | Nominal 13K | White. |
| | | Nominal 30K | White. |
| | | Nominal 70K | White. |
| | | Nominal 130K | White. |
| | | Nominal 300K | White. |
| | | Nominal 700K | White. |
| | | Nominal 1 Million | White. |

Section 9. Physical and chemical properties

| | | | |
|-----------------------|---|-------------------|-----------------------|
| Odor | : | Nominal 1K | Acetic acid. [Slight] |
| | | Nominal 3K | Acetic acid. [Slight] |
| | | Nominal 7K | Acetic acid. [Slight] |
| | | Nominal 13K | Acetic acid. [Slight] |
| | | Nominal 30K | Acetic acid. [Slight] |
| | | Nominal 70K | Acetic acid. [Slight] |
| | | Nominal 130K | Acetic acid. [Slight] |
| | | Nominal 300K | Acetic acid. [Slight] |
| | | Nominal 700K | Acetic acid. [Slight] |
| | | Nominal 1 Million | Acetic acid. [Slight] |
| Odor threshold | : | Nominal 1K | Not available. |
| | | Nominal 3K | Not available. |
| | | Nominal 7K | Not available. |
| | | Nominal 13K | Not available. |
| | | Nominal 30K | Not available. |
| | | Nominal 70K | Not available. |
| | | Nominal 130K | Not available. |
| | | Nominal 300K | Not available. |
| | | Nominal 700K | Not available. |
| | | Nominal 1 Million | Not available. |
| pH | : | Nominal 1K | Not available. |
| | | Nominal 3K | Not available. |
| | | Nominal 7K | Not available. |
| | | Nominal 13K | Not available. |
| | | Nominal 30K | Not available. |
| | | Nominal 70K | Not available. |
| | | Nominal 130K | Not available. |
| | | Nominal 300K | Not available. |
| | | Nominal 700K | Not available. |
| | | Nominal 1 Million | Not available. |
| Melting point | : | Nominal 1K | Not available. |
| | | Nominal 3K | Not available. |
| | | Nominal 7K | Not available. |
| | | Nominal 13K | Not available. |
| | | Nominal 30K | Not available. |
| | | Nominal 70K | Not available. |
| | | Nominal 130K | Not available. |
| | | Nominal 300K | Not available. |
| | | Nominal 700K | Not available. |
| | | Nominal 1 Million | Not available. |
| Boiling point | : | Nominal 1K | Not available. |
| | | Nominal 3K | Not available. |
| | | Nominal 7K | Not available. |
| | | Nominal 13K | Not available. |
| | | Nominal 30K | Not available. |
| | | Nominal 70K | Not available. |
| | | Nominal 130K | Not available. |
| | | Nominal 300K | Not available. |
| | | Nominal 700K | Not available. |
| | | Nominal 1 Million | Not available. |
| Flash point | : | Nominal 1K | Not available. |
| | | Nominal 3K | Not available. |
| | | Nominal 7K | Not available. |
| | | Nominal 13K | Not available. |
| | | Nominal 30K | Not available. |
| | | Nominal 70K | Not available. |
| | | Nominal 300K | Not available. |

Section 9. Physical and chemical properties

| | | |
|---|-------------------|----------------|
| | Nominal 700K | Not available. |
| | Nominal 1 Million | Not available. |
| Evaporation rate | : Nominal 1K | Not available. |
| | Nominal 3K | Not available. |
| | Nominal 7K | Not available. |
| | Nominal 13K | Not available. |
| | Nominal 30K | Not available. |
| | Nominal 70K | Not available. |
| | Nominal 130K | Not available. |
| | Nominal 300K | Not available. |
| | Nominal 700K | Not available. |
| | Nominal 1 Million | Not available. |
| Flammability (solid, gas) | : Nominal 1K | Not available. |
| | Nominal 3K | Not available. |
| | Nominal 7K | Not available. |
| | Nominal 13K | Not available. |
| | Nominal 30K | Not available. |
| | Nominal 70K | Not available. |
| | Nominal 130K | Not available. |
| | Nominal 300K | Not available. |
| | Nominal 700K | Not available. |
| | Nominal 1 Million | Not available. |
| Lower and upper explosive (flammable) limits | : Nominal 1K | Not available. |
| | Nominal 3K | Not available. |
| | Nominal 7K | Not available. |
| | Nominal 13K | Not available. |
| | Nominal 30K | Not available. |
| | Nominal 70K | Not available. |
| | Nominal 130K | Not available. |
| | Nominal 300K | Not available. |
| | Nominal 700K | Not available. |
| | Nominal 1 Million | Not available. |
| Vapor pressure | : Nominal 1K | Not available. |
| | Nominal 3K | Not available. |
| | Nominal 7K | Not available. |
| | Nominal 13K | Not available. |
| | Nominal 30K | Not available. |
| | Nominal 70K | Not available. |
| | Nominal 130K | Not available. |
| | Nominal 300K | Not available. |
| | Nominal 700K | Not available. |
| | Nominal 1 Million | Not available. |
| Vapor density | : Nominal 1K | Not available. |
| | Nominal 3K | Not available. |
| | Nominal 7K | Not available. |
| | Nominal 13K | Not available. |
| | Nominal 30K | Not available. |
| | Nominal 70K | Not available. |
| | Nominal 130K | Not available. |
| | Nominal 300K | Not available. |
| | Nominal 700K | Not available. |
| | Nominal 1 Million | Not available. |

Section 9. Physical and chemical properties

| | | | |
|---|--------------|-------------------|---|
| Relative density | : | Nominal 1K | Not available. |
| | | Nominal 3K | Not available. |
| | | Nominal 7K | Not available. |
| | | Nominal 13K | Not available. |
| | | Nominal 30K | Not available. |
| | | Nominal 70K | Not available. |
| | | Nominal 130K | Not available. |
| | | Nominal 300K | Not available. |
| | | Nominal 700K | Not available. |
| | | Nominal 1 Million | Not available. |
| Solubility | : | Nominal 1K | Partially soluble in the following materials: cold water and hot water. |
| | | Nominal 3K | Partially soluble in the following materials: cold water and hot water. |
| | | Nominal 7K | Partially soluble in the following materials: cold water and hot water. |
| | | Nominal 13K | Partially soluble in the following materials: cold water and hot water. |
| | | Nominal 30K | Partially soluble in the following materials: cold water and hot water. |
| | | Nominal 70K | Partially soluble in the following materials: cold water and hot water. |
| | | Nominal 130K | Partially soluble in the following materials: cold water and hot water. |
| | | Nominal 300K | Partially soluble in the following materials: cold water and hot water. |
| | | Nominal 700K | Partially soluble in the following materials: cold water and hot water. |
| | | Nominal 1 Million | Partially soluble in the following materials: cold water and hot water. |
| Partition coefficient: n-octanol/water | : | Nominal 1K | Not available. |
| | | Nominal 3K | Not available. |
| | | Nominal 7K | Not available. |
| | | Nominal 13K | Not available. |
| | | Nominal 30K | Not available. |
| | | Nominal 70K | Not available. |
| | | Nominal 130K | Not available. |
| | | Nominal 300K | Not available. |
| | | Nominal 700K | Not available. |
| | | Nominal 1 Million | Not available. |
| Auto-ignition temperature | : | Nominal 1K | Not available. |
| | | Nominal 3K | Not available. |
| | | Nominal 7K | Not available. |
| | | Nominal 13K | Not available. |
| | | Nominal 30K | Not available. |
| | | Nominal 70K | Not available. |
| | | Nominal 130K | Not available. |
| | | Nominal 300K | Not available. |
| | | Nominal 700K | Not available. |
| | | Nominal 1 Million | Not available. |
| Decomposition temperature | : | Nominal 1K | Not available. |
| | | Nominal 3K | Not available. |
| | | Nominal 7K | Not available. |
| | | Nominal 13K | Not available. |
| | | Nominal 30K | Not available. |
| | | Nominal 70K | Not available. |
| | | Nominal 130K | Not available. |
| | Nominal 300K | Not available. | |

Section 9. Physical and chemical properties

| | | |
|------------------|-------------------|----------------|
| | Nominal 700K | Not available. |
| | Nominal 1 Million | Not available. |
| Viscosity | : Nominal 1K | Not available. |
| | Nominal 3K | Not available. |
| | Nominal 7K | Not available. |
| | Nominal 13K | Not available. |
| | Nominal 30K | Not available. |
| | Nominal 70K | Not available. |
| | Nominal 130K | Not available. |
| | Nominal 300K | Not available. |
| | Nominal 700K | Not available. |
| | Nominal 1 Million | Not available. |

Section 10. Stability and reactivity

| | | |
|--|-------------------|--|
| 10.1 Reactivity | : Nominal 1K | No specific test data related to reactivity available for this product or its ingredients. |
| | Nominal 3K | No specific test data related to reactivity available for this product or its ingredients. |
| | Nominal 7K | No specific test data related to reactivity available for this product or its ingredients. |
| | Nominal 13K | No specific test data related to reactivity available for this product or its ingredients. |
| | Nominal 30K | No specific test data related to reactivity available for this product or its ingredients. |
| | Nominal 70K | No specific test data related to reactivity available for this product or its ingredients. |
| | Nominal 130K | No specific test data related to reactivity available for this product or its ingredients. |
| | Nominal 300K | No specific test data related to reactivity available for this product or its ingredients. |
| | Nominal 700K | No specific test data related to reactivity available for this product or its ingredients. |
| | Nominal 1 Million | No specific test data related to reactivity available for this product or its ingredients. |
| 10.2 Chemical stability | : Nominal 1K | The product is stable. |
| | Nominal 3K | The product is stable. |
| | Nominal 7K | The product is stable. |
| | Nominal 13K | The product is stable. |
| | Nominal 30K | The product is stable. |
| | Nominal 70K | The product is stable. |
| | Nominal 130K | The product is stable. |
| | Nominal 300K | The product is stable. |
| | Nominal 700K | The product is stable. |
| | Nominal 1 Million | The product is stable. |
| 10.3 Possibility of hazardous reactions | : Nominal 1K | Under normal conditions of storage and use, hazardous reactions will not occur. |
| | Nominal 3K | Under normal conditions of storage and use, hazardous reactions will not occur. |
| | Nominal 7K | Under normal conditions of storage and use, hazardous reactions will not occur. |
| | Nominal 13K | Under normal conditions of storage and use, hazardous reactions will not occur. |
| | Nominal 30K | Under normal conditions of storage and use, hazardous reactions will not occur. |
| | Nominal 70K | Under normal conditions of storage and use, |

Section 10. Stability and reactivity

| | |
|-------------------|--|
| Nominal 130K | hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. |
| Nominal 300K | Under normal conditions of storage and use, hazardous reactions will not occur. |
| Nominal 700K | Under normal conditions of storage and use, hazardous reactions will not occur. |
| Nominal 1 Million | Under normal conditions of storage and use, hazardous reactions will not occur. |

10.4 Conditions to avoid : Nominal 1K

| | |
|--------------|--|
| Nominal 3K | Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Prevent dust accumulation. Moisture-sensitive material. |
| Nominal 7K | Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Prevent dust accumulation. Moisture-sensitive material. |
| Nominal 13K | Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Prevent dust accumulation. Moisture-sensitive material. |
| Nominal 30K | Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Prevent dust accumulation. Moisture-sensitive material. |
| Nominal 70K | Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Prevent dust accumulation. Moisture-sensitive material. |
| Nominal 130K | Avoid the creation of dust when handling and avoid |

Section 10. Stability and reactivity

| | | |
|------------------------------------|-------------------|---|
| | | all possible sources of ignition (spark or flame). Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Prevent dust accumulation. Moisture-sensitive material. |
| | Nominal 300K | Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Prevent dust accumulation. Moisture-sensitive material. |
| | Nominal 700K | Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Prevent dust accumulation. Moisture-sensitive material. |
| | Nominal 1 Million | Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Prevent dust accumulation. Moisture-sensitive material. |
| 10.5 Incompatible materials | : Nominal 1K | Reactive or incompatible with the following materials: oxidizing materials |
| | Nominal 3K | Reactive or incompatible with the following materials: oxidizing materials |
| | Nominal 7K | Reactive or incompatible with the following materials: oxidizing materials |
| | Nominal 13K | Reactive or incompatible with the following materials: oxidizing materials |
| | Nominal 30K | Reactive or incompatible with the following materials: oxidizing materials |
| | Nominal 70K | Reactive or incompatible with the following materials: oxidizing materials |
| | Nominal 130K | Reactive or incompatible with the following materials: oxidizing materials |
| | Nominal 300K | Reactive or incompatible with the following materials: oxidizing materials |
| | Nominal 700K | Reactive or incompatible with the following materials: oxidizing materials |

Section 10. Stability and reactivity

| | |
|---|--|
| Nominal 1 Million | Reactive or incompatible with the following materials: oxidizing materials |
| 10.6 Hazardous decomposition products : Nominal 1K | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| Nominal 3K | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| Nominal 7K | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| Nominal 13K | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| Nominal 30K | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| Nominal 70K | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| Nominal 130K | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| Nominal 300K | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| Nominal 700K | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| Nominal 1 Million | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

Section 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|--|-----------|---------|-------------|----------|
| Nominal 1K Sodium poly acrylate | LD50 Oral | Rat | >8250 mg/kg | - |
| Nominal 3K Sodium poly acrylate | LD50 Oral | Rat | >8250 mg/kg | - |
| Nominal 7K Sodium poly acrylate | LD50 Oral | Rat | >8250 mg/kg | - |
| Nominal 13K Sodium poly acrylate | LD50 Oral | Rat | >8250 mg/kg | - |
| Nominal 30K Sodium poly acrylate | LD50 Oral | Rat | >8250 mg/kg | - |
| Nominal 70K Sodium poly acrylate | LD50 Oral | Rat | >8250 mg/kg | - |

Section 11. Toxicological information

| | | | | |
|--|-----------|-----|-------------|---|
| Nominal 130K Sodium poly acrylate | LD50 Oral | Rat | >8250 mg/kg | - |
| Nominal 300K Sodium poly acrylate | LD50 Oral | Rat | >8250 mg/kg | - |
| Nominal 700K Sodium poly acrylate | LD50 Oral | Rat | >8250 mg/kg | - |
| Nominal 1 Million Sodium poly acrylate | LD50 Oral | Rat | >8250 mg/kg | - |

Irritation/Corrosion

| <u>Product/ingredient name</u> | <u>Result</u> | <u>Species</u> | <u>Score</u> | <u>Exposure</u> | <u>Observation</u> |
|--|--------------------------|----------------|--------------|-----------------|--------------------|
| Nominal 1K Sodium poly acrylate | Eyes - Moderate irritant | Rabbit | - | 2 milligrams | - |
| Nominal 3K Sodium poly acrylate | Eyes - Moderate irritant | Rabbit | - | 2 milligrams | - |
| Nominal 7K Sodium poly acrylate | Eyes - Moderate irritant | Rabbit | - | 2 milligrams | - |
| Nominal 13K Sodium poly acrylate | Eyes - Moderate irritant | Rabbit | - | 2 milligrams | - |
| Nominal 30K Sodium poly acrylate | Eyes - Moderate irritant | Rabbit | - | 2 milligrams | - |
| Nominal 70K Sodium poly acrylate | Eyes - Moderate irritant | Rabbit | - | 2 milligrams | - |
| Nominal 130K Sodium poly acrylate | Eyes - Moderate irritant | Rabbit | - | 2 milligrams | - |
| Nominal 300K Sodium poly acrylate | Eyes - Moderate irritant | Rabbit | - | 2 milligrams | - |
| Nominal 700K Sodium poly acrylate | Eyes - Moderate irritant | Rabbit | - | 2 milligrams | - |
| Nominal 1 Million Sodium poly acrylate | Eyes - Moderate irritant | Rabbit | - | 2 milligrams | - |

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Section 11. Toxicological information

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

| | | |
|---|-------------------|--|
| Information on the likely routes of exposure | : Nominal 1K | Routes of entry anticipated: Oral, Dermal, Inhalation. |
| | Nominal 3K | Routes of entry anticipated: Oral, Dermal, Inhalation. |
| | Nominal 7K | Routes of entry anticipated: Oral, Dermal, Inhalation. |
| | Nominal 13K | Routes of entry anticipated: Oral, Dermal, Inhalation. |
| | Nominal 30K | Routes of entry anticipated: Oral, Dermal, Inhalation. |
| | Nominal 70K | Routes of entry anticipated: Oral, Dermal, Inhalation. |
| | Nominal 130K | Routes of entry anticipated: Oral, Dermal, Inhalation. |
| | Nominal 300K | Routes of entry anticipated: Oral, Dermal, Inhalation. |
| | Nominal 700K | Routes of entry anticipated: Oral, Dermal, Inhalation. |
| | Nominal 1 Million | Routes of entry anticipated: Oral, Dermal, Inhalation. |

Potential acute health effects

| | | |
|--------------------|-------------------|--------------------------------|
| Eye contact | : Nominal 1K | Causes serious eye irritation. |
| | Nominal 3K | Causes serious eye irritation. |
| | Nominal 7K | Causes serious eye irritation. |
| | Nominal 13K | Causes serious eye irritation. |
| | Nominal 30K | Causes serious eye irritation. |
| | Nominal 70K | Causes serious eye irritation. |
| | Nominal 130K | Causes serious eye irritation. |
| | Nominal 300K | Causes serious eye irritation. |
| | Nominal 700K | Causes serious eye irritation. |
| | Nominal 1 Million | Causes serious eye irritation. |

| | | |
|-------------------|--------------|--|
| Inhalation | : Nominal 1K | Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. |
| | Nominal 3K | Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. |
| | Nominal 7K | Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. |
| | Nominal 13K | Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. |
| | Nominal 30K | Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. |

Section 11. Toxicological information

| | | |
|---------------------|-------------------|--|
| | Nominal 70K | Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. |
| | Nominal 130K | Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. |
| | Nominal 300K | Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. |
| | Nominal 700K | Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. |
| | Nominal 1 Million | Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. |
| Skin contact | : Nominal 1K | No known significant effects or critical hazards. |
| | Nominal 3K | No known significant effects or critical hazards. |
| | Nominal 7K | No known significant effects or critical hazards. |
| | Nominal 13K | No known significant effects or critical hazards. |
| | Nominal 30K | No known significant effects or critical hazards. |
| | Nominal 70K | No known significant effects or critical hazards. |
| | Nominal 130K | No known significant effects or critical hazards. |
| | Nominal 300K | No known significant effects or critical hazards. |
| | Nominal 700K | No known significant effects or critical hazards. |
| | Nominal 1 Million | No known significant effects or critical hazards. |
| Ingestion | : Nominal 1K | No known significant effects or critical hazards. |
| | Nominal 3K | No known significant effects or critical hazards. |
| | Nominal 7K | No known significant effects or critical hazards. |
| | Nominal 13K | No known significant effects or critical hazards. |
| | Nominal 30K | No known significant effects or critical hazards. |
| | Nominal 70K | No known significant effects or critical hazards. |
| | Nominal 130K | No known significant effects or critical hazards. |
| | Nominal 300K | No known significant effects or critical hazards. |
| | Nominal 700K | No known significant effects or critical hazards. |
| | Nominal 1 Million | No known significant effects or critical hazards. |

Symptoms related to the physical, chemical and toxicological characteristics

| | | |
|--------------------|--------------|--|
| Eye contact | : Nominal 1K | Adverse symptoms may include the following: pain or irritation watering redness |
| | Nominal 3K | Adverse symptoms may include the following: pain or irritation watering redness |
| | Nominal 7K | Adverse symptoms may include the following: pain or irritation watering redness |
| | Nominal 13K | Adverse symptoms may include the following: pain or irritation watering redness |
| | Nominal 30K | Adverse symptoms may include the following: pain or irritation watering redness |

Section 11. Toxicological information

| | | |
|---------------------|-------------------|--|
| | Nominal 70K | Adverse symptoms may include the following: pain or irritation watering redness |
| | Nominal 130K | Adverse symptoms may include the following: pain or irritation watering redness |
| | Nominal 300K | Adverse symptoms may include the following: pain or irritation watering redness |
| | Nominal 700K | Adverse symptoms may include the following: pain or irritation watering redness |
| | Nominal 1 Million | Adverse symptoms may include the following: pain or irritation watering redness |
| Inhalation | : Nominal 1K | Adverse symptoms may include the following: respiratory tract irritation coughing |
| | Nominal 3K | Adverse symptoms may include the following: respiratory tract irritation coughing |
| | Nominal 7K | Adverse symptoms may include the following: respiratory tract irritation coughing |
| | Nominal 13K | Adverse symptoms may include the following: respiratory tract irritation coughing |
| | Nominal 30K | Adverse symptoms may include the following: respiratory tract irritation coughing |
| | Nominal 70K | Adverse symptoms may include the following: respiratory tract irritation coughing |
| | Nominal 130K | Adverse symptoms may include the following: respiratory tract irritation coughing |
| | Nominal 300K | Adverse symptoms may include the following: respiratory tract irritation coughing |
| | Nominal 700K | Adverse symptoms may include the following: respiratory tract irritation coughing |
| | Nominal 1 Million | Adverse symptoms may include the following: respiratory tract irritation coughing |
| Skin contact | : Nominal 1K | No specific data. |
| | Nominal 3K | No specific data. |
| | Nominal 7K | No specific data. |
| | Nominal 13K | No specific data. |
| | Nominal 30K | No specific data. |
| | Nominal 70K | No specific data. |
| | Nominal 130K | No specific data. |
| | Nominal 300K | No specific data. |

Section 11. Toxicological information

| | | |
|------------------|-------------------|-------------------|
| | Nominal 700K | No specific data. |
| | Nominal 1 Million | No specific data. |
| Ingestion | : Nominal 1K | No specific data. |
| | Nominal 3K | No specific data. |
| | Nominal 7K | No specific data. |
| | Nominal 13K | No specific data. |
| | Nominal 30K | No specific data. |
| | Nominal 70K | No specific data. |
| | Nominal 130K | No specific data. |
| | Nominal 300K | No specific data. |
| | Nominal 700K | No specific data. |
| | Nominal 1 Million | No specific data. |

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

| | | |
|------------------------|-------------------|--|
| General | : Nominal 1K | Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation. |
| | Nominal 3K | Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation. |
| | Nominal 7K | Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation. |
| | Nominal 13K | Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation. |
| | Nominal 30K | Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation. |
| | Nominal 70K | Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation. |
| | Nominal 130K | Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation. |
| | Nominal 300K | Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation. |
| | Nominal 700K | Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation. |
| | Nominal 1 Million | Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation. |
| Carcinogenicity | : Nominal 1K | No known significant effects or critical hazards. |
| | Nominal 3K | No known significant effects or critical hazards. |
| | Nominal 7K | No known significant effects or critical hazards. |
| | Nominal 13K | No known significant effects or critical hazards. |
| | Nominal 30K | No known significant effects or critical hazards. |
| | Nominal 70K | No known significant effects or critical hazards. |
| | Nominal 130K | No known significant effects or critical hazards. |
| | Nominal 300K | No known significant effects or critical hazards. |
| | Nominal 700K | No known significant effects or critical hazards. |
| | Nominal 1 Million | No known significant effects or critical hazards. |

Section 11. Toxicological information

| | | | |
|------------------------------|---|-------------------|---|
| Mutagenicity | : | Nominal 1K | No known significant effects or critical hazards. |
| | | Nominal 3K | No known significant effects or critical hazards. |
| | | Nominal 7K | No known significant effects or critical hazards. |
| | | Nominal 13K | No known significant effects or critical hazards. |
| | | Nominal 30K | No known significant effects or critical hazards. |
| | | Nominal 70K | No known significant effects or critical hazards. |
| | | Nominal 130K | No known significant effects or critical hazards. |
| | | Nominal 300K | No known significant effects or critical hazards. |
| | | Nominal 700K | No known significant effects or critical hazards. |
| | | Nominal 1 Million | No known significant effects or critical hazards. |
| Teratogenicity | : | Nominal 1K | No known significant effects or critical hazards. |
| | | Nominal 3K | No known significant effects or critical hazards. |
| | | Nominal 7K | No known significant effects or critical hazards. |
| | | Nominal 13K | No known significant effects or critical hazards. |
| | | Nominal 30K | No known significant effects or critical hazards. |
| | | Nominal 70K | No known significant effects or critical hazards. |
| | | Nominal 130K | No known significant effects or critical hazards. |
| | | Nominal 300K | No known significant effects or critical hazards. |
| | | Nominal 700K | No known significant effects or critical hazards. |
| | | Nominal 1 Million | No known significant effects or critical hazards. |
| Developmental effects | : | Nominal 1K | No known significant effects or critical hazards. |
| | | Nominal 3K | No known significant effects or critical hazards. |
| | | Nominal 7K | No known significant effects or critical hazards. |
| | | Nominal 13K | No known significant effects or critical hazards. |
| | | Nominal 30K | No known significant effects or critical hazards. |
| | | Nominal 70K | No known significant effects or critical hazards. |
| | | Nominal 130K | No known significant effects or critical hazards. |
| | | Nominal 300K | No known significant effects or critical hazards. |
| | | Nominal 700K | No known significant effects or critical hazards. |
| | | Nominal 1 Million | No known significant effects or critical hazards. |
| Fertility effects | : | Nominal 1K | No known significant effects or critical hazards. |
| | | Nominal 3K | No known significant effects or critical hazards. |
| | | Nominal 7K | No known significant effects or critical hazards. |
| | | Nominal 13K | No known significant effects or critical hazards. |
| | | Nominal 30K | No known significant effects or critical hazards. |
| | | Nominal 70K | No known significant effects or critical hazards. |
| | | Nominal 130K | No known significant effects or critical hazards. |
| | | Nominal 300K | No known significant effects or critical hazards. |
| | | Nominal 700K | No known significant effects or critical hazards. |
| | | Nominal 1 Million | No known significant effects or critical hazards. |

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

12.1 Toxicity

Not available.

12.2 Persistence and degradability

Not available.

Section 12. Ecological information

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

12.5 Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

13.1 Waste treatment methods

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

The information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

Section 14. Transport information

DOT / TDG / Mexico / IMDG / IATA : Not regulated.

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL and the IBC Code : Not available.

Section 15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

U.S. Federal regulations : TSCA 8(a) CDR Exempt/Partial exemption: All components are listed or exempted.

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Not listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

| Classification | | |
|--|--|---|
| <input checked="" type="checkbox"/> Nominal 1K | | COMBUSTIBLE DUSTS EYE IRRITATION - Category 2A |
| Nominal 3K | | COMBUSTIBLE DUSTS EYE IRRITATION - Category 2A |
| Nominal 7K | | COMBUSTIBLE DUSTS EYE IRRITATION - Category 2A |
| Nominal 13K | | COMBUSTIBLE DUSTS EYE IRRITATION - Category 2A |
| Nominal 30K | | COMBUSTIBLE DUSTS EYE IRRITATION - Category 2A |
| Nominal 70K | | COMBUSTIBLE DUSTS EYE IRRITATION - Category 2A |
| Nominal 130K | | COMBUSTIBLE DUSTS EYE IRRITATION - Category 2A |
| Nominal 300K | | COMBUSTIBLE DUSTS EYE IRRITATION - Category 2A |
| Nominal 700K | | COMBUSTIBLE DUSTS EYE IRRITATION - Category 2A |
| Nominal 1 Million | | COMBUSTIBLE DUSTS EYE IRRITATION - Category 2A |

Composition/information on ingredients

| Name | % | Classification |
|---|-----|---|
| <input checked="" type="checkbox"/> Nominal 1K Sodium poly acrylate | 100 | COMBUSTIBLE DUSTS EYE IRRITATION - Category 2A |
| Nominal 3K Sodium poly acrylate | 100 | COMBUSTIBLE DUSTS EYE IRRITATION - Category 2A |
| Nominal 7K Sodium poly acrylate | 100 | COMBUSTIBLE DUSTS EYE IRRITATION - Category 2A |
| Nominal 13K | | COMBUSTIBLE DUSTS |

Section 15. Regulatory information

| | | |
|--|-----|---|
| Sodium poly acrylate | 100 | EYE IRRITATION - Category 2A |
| Nominal 30K Sodium poly acrylate | 100 | COMBUSTIBLE DUSTS EYE IRRITATION - Category 2A |
| Nominal 70K Sodium poly acrylate | 100 | COMBUSTIBLE DUSTS EYE IRRITATION - Category 2A |
| Nominal 130K Sodium poly acrylate | 100 | COMBUSTIBLE DUSTS EYE IRRITATION - Category 2A |
| Nominal 300K Sodium poly acrylate | 100 | COMBUSTIBLE DUSTS EYE IRRITATION - Category 2A |
| Nominal 700K Sodium poly acrylate | 100 | COMBUSTIBLE DUSTS EYE IRRITATION - Category 2A |
| Nominal 1 Million Sodium poly acrylate | 100 | COMBUSTIBLE DUSTS EYE IRRITATION - Category 2A |

State regulations

- Massachusetts** : None of the components are listed.
New York : None of the components are listed.
New Jersey : None of the components are listed.
Pennsylvania : None of the components are listed.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol (Annexes A, B, C, E)

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

- Australia** : All components are listed or exempted.
Canada : All components are listed or exempted.
China : All components are listed or exempted.
Europe : All components are listed or exempted.
Japan : **Japan inventory (ENCS)**: All components are listed or exempted.
Japan inventory (ISHL): All components are listed or exempted.
Malaysia : All components are listed or exempted.
New Zealand : All components are listed or exempted.

Section 15. Regulatory information

| | |
|--------------------------|--|
| Philippines | : All components are listed or exempted. |
| Republic of Korea | : All components are listed or exempted. |
| Taiwan | : All components are listed or exempted. |
| Thailand | : <input checked="" type="checkbox"/> Not determined. |
| Turkey | : <input checked="" type="checkbox"/> All components are listed or exempted. |
| United States | : All components are listed or exempted. |
| Viet Nam | : <input checked="" type="checkbox"/> Not determined. |

Section 16. Other information

History

| | |
|-------------------------------|---------------|
| Date of issue | : 11/21/2017 |
| Date of previous issue | : 02/29/2016. |
| Version | : 4 |

Indicates information that has changed from previously issued version.

Notice to reader

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