

SAFETY DATA SHEET



PolyAcrylic Acid KIT, Part Number PL2140-0100

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

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

EC number : Not available.

CAS number : Nominal 1K 9003-04-7
 Nominal 3K 9003-04-7
 Nominal 7K 9003-04-7
 Nominal 13K 9003-04-7
 Nominal 30K 9003-04-7
 Nominal 70K 9003-04-7
 Nominal 130K 9003-04-7
 Nominal 300K 9003-04-7
 Nominal 700K 9003-04-7
 Nominal 1 Million 9003-04-7

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.

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

Identified uses : Reagents and Standards for Analytical Chemistry Laboratory Use
 0.2 g x 10 Bottle

<input checked="" type="checkbox"/> 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

Uses advised against : None known.

1.3 Details of the supplier of the safety data sheet

Agilent Technologies LDA UK Ltd.
 5500 Lakeside Cheadle Royal Business Park,
 Cheadle, Cheshire, SK8 3GR
 United Kingdom
 Tel: +44 (0) 345 712 5292
 0800 603 1000

e-mail address of person responsible for this SDS : pdl-msds_author@agilent.com

1.4 Emergency telephone number

PolyAcrylic Acid KIT, Part Number PL2140-0100

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Emergency telephone number (with hours of operation) : CHEMTREC®: +(44)-870-8200418

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition	:	<input checked="" type="checkbox"/> Nominal 1K	Mono-constituent substance
		Nominal 3K	Mono-constituent substance
		Nominal 7K	Mono-constituent substance
		Nominal 13K	Mono-constituent substance
		Nominal 30K	Mono-constituent substance
		Nominal 70K	Mono-constituent substance
		Nominal 130K	Mono-constituent substance
		Nominal 300K	Mono-constituent substance
		Nominal 700K	Mono-constituent substance
		Nominal 1 Million	Mono-constituent substance

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]











<input checked="" type="checkbox"/> Nominal 1K			
H319	SERIOUS EYE DAMAGE/EYE IRRITATION		Category 2
Nominal 3K			
H319	SERIOUS EYE DAMAGE/EYE IRRITATION		Category 2
Nominal 7K			
H319	SERIOUS EYE DAMAGE/EYE IRRITATION		Category 2
Nominal 13K			
H319	SERIOUS EYE DAMAGE/EYE IRRITATION		Category 2
Nominal 30K			
H319	SERIOUS EYE DAMAGE/EYE IRRITATION		Category 2
Nominal 70K			
H319	SERIOUS EYE DAMAGE/EYE IRRITATION		Category 2
Nominal 130K			
H319	SERIOUS EYE DAMAGE/EYE IRRITATION		Category 2
Nominal 300K			
H319	SERIOUS EYE DAMAGE/EYE IRRITATION		Category 2
Nominal 700K			
H319	SERIOUS EYE DAMAGE/EYE IRRITATION		Category 2
Nominal 1 Million			
H319	SERIOUS EYE DAMAGE/EYE IRRITATION		Category 2

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

SECTION 2: Hazards identification

Hazard pictograms	: <input checked="" type="checkbox"/> Nominal 1K	
	Nominal 3K	
	Nominal 7K	
	Nominal 13K	
	Nominal 30K	
	Nominal 70K	
	Nominal 130K	
	Nominal 300K	
	Nominal 700K	
	Nominal 1 Million	

Signal word	: <input checked="" type="checkbox"/> 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
	Nominal 1 Million	Warning

SECTION 2: Hazards identification

Hazard statements	: Nominal 1K Nominal 3K Nominal 7K Nominal 13K Nominal 30K Nominal 70K Nominal 130K Nominal 300K Nominal 700K Nominal 1 Million	H319 - Causes serious eye irritation. H319 - Causes serious eye irritation. H319 - Causes serious eye irritation. H319 - Causes serious eye irritation. H319 - Causes serious eye irritation. H319 - Causes serious eye irritation. H319 - Causes serious eye irritation. H319 - Causes serious eye irritation. H319 - Causes serious eye irritation. H319 - Causes serious eye irritation.
Precautionary statements		
Prevention	: Nominal 1K Nominal 3K Nominal 7K Nominal 13K Nominal 30K Nominal 70K Nominal 130K Nominal 300K Nominal 700K Nominal 1 Million	P280 - Wear eye or face protection. P280 - Wear eye or face protection. P280 - Wear eye or face protection. P280 - Wear eye or face protection. P280 - Wear eye or face protection. P280 - Wear eye or face protection. P280 - Wear eye or face protection. P280 - Wear eye or face protection. P280 - Wear eye or face protection. P280 - Wear eye or face protection.
Response	: Nominal 1K Nominal 3K Nominal 7K Nominal 13K Nominal 30K Nominal 70K Nominal 130K Nominal 300K 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 advice or attention. 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 advice or attention. 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 advice or attention. 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 advice or attention. 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 advice or attention. 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 advice or attention. 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 advice or attention. 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 advice or attention.

SECTION 2: Hazards identification

	Nominal 1 Million	and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention. 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 advice or attention.
Storage	: <input checked="" type="checkbox"/> Nominal 1K Nominal 3K Nominal 7K Nominal 13K Nominal 30K Nominal 70K Nominal 130K Nominal 300K Nominal 700K Nominal 1 Million	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
Disposal	: <input checked="" type="checkbox"/> Nominal 1K Nominal 3K Nominal 7K Nominal 13K Nominal 30K Nominal 70K Nominal 130K Nominal 300K Nominal 700K Nominal 1 Million	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
Supplemental label elements	: <input checked="" type="checkbox"/> Nominal 1K Nominal 3K Nominal 7K Nominal 13K Nominal 30K Nominal 70K Nominal 130K Nominal 300K Nominal 700K Nominal 1 Million	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: <input checked="" type="checkbox"/> Nominal 1K Nominal 3K Nominal 7K Nominal 13K Nominal 30K Nominal 70K Nominal 130K Nominal 300K Nominal 700K Nominal 1 Million	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
<u>Special packaging requirements</u>		
Containers to be fitted with child-resistant fastenings	: <input checked="" type="checkbox"/> Nominal 1K Nominal 3K Nominal 7K Nominal 13K Nominal 30K Nominal 70K Nominal 130K Nominal 300K Nominal 700K Nominal 1 Million	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.

PolyAcrylic Acid KIT, Part Number PL2140-0100

SECTION 2: Hazards identification

Tactile warning of danger	:	<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.

2.3 Other hazards

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

	PBT	P	B	T	vPvB	vP	vB
<input checked="" type="checkbox"/> Nominal 1K	No	N/A	N/A	No	N/A	N/A	N/A
Nominal 3K	No	N/A	N/A	No	N/A	N/A	N/A
Nominal 7K	No	N/A	N/A	No	N/A	N/A	N/A
Nominal 13K	No	N/A	N/A	No	N/A	N/A	N/A
Nominal 30K	No	N/A	N/A	No	N/A	N/A	N/A
Nominal 70K	No	N/A	N/A	No	N/A	N/A	N/A
Nominal 130K	No	N/A	N/A	No	N/A	N/A	N/A
Nominal 300K	No	N/A	N/A	No	N/A	N/A	N/A
Nominal 700K	No	N/A	N/A	No	N/A	N/A	N/A
Nominal 1 Million	No	N/A	N/A	No	N/A	N/A	N/A

Other hazards which do not result in classification	:	<input checked="" type="checkbox"/> Nominal 1K	May form combustible dust concentrations in air.
		Nominal 3K	May form combustible dust concentrations in air.
		Nominal 7K	May form combustible dust concentrations in air.
		Nominal 13K	May form combustible dust concentrations in air.
		Nominal 30K	May form combustible dust concentrations in air.
		Nominal 70K	May form combustible dust concentrations in air.
		Nominal 130K	May form combustible dust concentrations in air.
		Nominal 300K	May form combustible dust concentrations in air.
		Nominal 700K	May form combustible dust concentrations in air.
		Nominal 1 Million	May form combustible dust concentrations in air.

SECTION 3: Composition/information on ingredients

3.1 Substances	:	<input checked="" type="checkbox"/> Nominal 1K Nominal 3K Nominal 7K Nominal 13K Nominal 30K Nominal 70K Nominal 130K Nominal 300K Nominal 700K Nominal 1 Million	Mono-constituent substance Mono-constituent substance Mono-constituent substance Mono-constituent substance Mono-constituent substance Mono-constituent substance Mono-constituent substance Mono-constituent substance Mono-constituent substance Mono-constituent substance
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Product/ingredient name	Identifiers	%	Classification	Type
<input checked="" type="checkbox"/> Nominal 1K Sodium poly acrylate	CAS: 9003-04-7	100	Eye Irrit. 2, H319	[1]
Nominal 3K Sodium poly acrylate	CAS: 9003-04-7	100	Eye Irrit. 2, H319	[1]
Nominal 7K Sodium poly acrylate	CAS: 9003-04-7	100	Eye Irrit. 2, H319	[1]
Nominal 13K Sodium poly acrylate	CAS: 9003-04-7	100	Eye Irrit. 2, H319	[1]
Nominal 30K Sodium poly acrylate	CAS: 9003-04-7	100	Eye Irrit. 2, H319	[1]
Nominal 70K Sodium poly acrylate	CAS: 9003-04-7	100	Eye Irrit. 2, H319	[1]
Nominal 130K Sodium poly acrylate	CAS: 9003-04-7	100	Eye Irrit. 2, H319	[1]
Nominal 300K Sodium poly acrylate	CAS: 9003-04-7	100	Eye Irrit. 2, H319	[1]
Nominal 700K Sodium poly acrylate	CAS: 9003-04-7	100	Eye Irrit. 2, H319	[1]
Nominal 1 Million Sodium poly acrylate	CAS: 9003-04-7	100	Eye Irrit. 2, H319 See Section 16 for the full text of the H statements declared above.	[1]

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

Type

<input checked="" type="checkbox"/> Nominal 1K	[1] Constituent
Nominal 3K	[1] Constituent
Nominal 7K	[1] Constituent
Nominal 13K	[1] Constituent
Nominal 30K	[1] Constituent
Nominal 70K	[1] Constituent
Nominal 130K	[1] Constituent
Nominal 300K	[1] Constituent
Nominal 700K	[1] Constituent
Nominal 1 Million	[1] Constituent

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

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact	: <input checked="" type="checkbox"/> 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. Continue to rinse for at least 10 minutes. Get medical attention.
Inhalation	: <input checked="" type="checkbox"/> Nominal 1K	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

SECTION 4: First aid measures

	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 and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Nominal 70K	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

SECTION 4: First aid measures

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 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.

Skin contact

: Nominal 1K

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.

Ingestion

: Nominal 1K

Wash out mouth with water. Remove dentures if any. 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

SECTION 4: First aid measures

Nominal 3K	<p>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. 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 7K	<p>Wash out mouth with water. Remove dentures if any. 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 13K	<p>Wash out mouth with water. Remove dentures if any. 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 30K	<p>Wash out mouth with water. Remove dentures if any. 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 70K	<p>Wash out mouth with water. Remove dentures if any. 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 130K	<p>Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is</p>

SECTION 4: First aid measures

Nominal 300K	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 700K	Wash out mouth with water. Remove dentures if any. 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 1 Million	Wash out mouth with water. Remove dentures if any. 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.
Protection of first-aiders : Nominal 1K	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.
Nominal 3K	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.
Nominal 7K	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.
Nominal 13K	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.
Nominal 30K	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.
Nominal 70K	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.

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Nominal 130K	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.
Nominal 300K	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.
Nominal 700K	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.
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.

4.2 Most important symptoms and effects, both acute and delayed

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 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
		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

SECTION 4: First aid measures

Inhalation	:	<input checked="" type="checkbox"/> 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	:	<input checked="" type="checkbox"/> 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.	
Ingestion	:	<input checked="" type="checkbox"/> 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.	

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	:	<input checked="" type="checkbox"/> 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.

SECTION 4: First aid measures

	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.
Specific treatments	: <input checked="" type="checkbox"/> Nominal 1K	No specific treatment.
	Nominal 3K	No specific treatment.
	Nominal 7K	No specific treatment.
	Nominal 13K	No specific treatment.
	Nominal 30K	No specific treatment.
	Nominal 70K	No specific treatment.
	Nominal 130K	No specific treatment.
	Nominal 300K	No specific treatment.
	Nominal 700K	No specific treatment.
	Nominal 1 Million	No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	: <input checked="" type="checkbox"/> 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	: <input checked="" type="checkbox"/> 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

SECTION 5: Firefighting measures

Hazards from the substance or mixture : 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 combustion 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
 carbon monoxide
 metal oxide/oxides
 Nominal 13K 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

SECTION 5: Firefighting measures

Nominal 13K	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. 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 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 : <input checked="" type="checkbox"/> 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 (SCBA) with a full face-piece operated in positive pressure mode.
Nominal 70K	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

SECTION 5: Firefighting measures

Nominal 1 Million

and self-contained breathing apparatus (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.

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 spilt 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.

Nominal 3K

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 spilt 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.

Nominal 7K

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 spilt 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.

Nominal 13K

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 spilt 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.

Nominal 30K

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 spilt 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.

Nominal 70K

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 spilt 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.

Nominal 130K

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 spilt 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

SECTION 6: Accidental release measures


For emergency responders

Nominal 300K	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 spilt 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.
Nominal 700K	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 spilt 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.
Nominal 1 Million	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 spilt 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.
: Nominal 1K	If specialised 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 specialised 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 specialised 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 specialised 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 specialised 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 specialised 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 specialised 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 specialised 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 specialised 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 specialised 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-


SECTION 6: Accidental release measures

emergency personnel".

6.2 Environmental precautions

:  Nominal 1K	Avoid dispersal of spilt 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 spilt 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 7K	Avoid dispersal of spilt 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 spilt 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 spilt 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 spilt 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 spilt 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 spilt 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 spilt 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 spilt 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 material 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 reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
Nominal 13K	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.

SECTION 6: Accidental release measures

Nominal 30K	Dispose of via a licensed waste disposal contractor. 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.
Nominal 70K	Dispose of via a licensed waste disposal contractor. 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.
Nominal 130K	Dispose of via a licensed waste disposal contractor. 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.
Nominal 300K	Dispose of via a licensed waste disposal contractor. 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.
Nominal 700K	Dispose of via a licensed waste disposal contractor. 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.
Nominal 1 Million	Dispose of via a licensed waste disposal contractor. 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.

6.4 Reference to other sections : See Section 1 for emergency contact information.
 See Section 8 for information on appropriate personal protective equipment.
 See Section 13 for additional waste treatment information.

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 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 earthing and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.
	Nominal 3K	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

SECTION 7: Handling and storage

Nominal 7K

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 earthing and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

Nominal 13K

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 earthing and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

Nominal 30K

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 earthing and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

Nominal 70K

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

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Nominal 130K

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 earthing 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 earthing and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

Nominal 300K

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 earthing and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

Nominal 700K

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 earthing and bonding containers and equipment before transferring material. Empty containers retain product residue and can

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Advice on general occupational hygiene

Nominal 1 Million	<p>be hazardous. Do not reuse container.</p> <p>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 earthing and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.</p>
: Nominal 1K	<p>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.</p>
Nominal 3K	<p>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.</p>
Nominal 7K	<p>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.</p>
Nominal 13K	<p>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.</p>
Nominal 30K	<p>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.</p>
Nominal 70K	<p>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.</p>
Nominal 130K	<p>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.</p>
Nominal 300K	<p>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</p>

SECTION 7: Handling and storage

Nominal 700K	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 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

Storage

: 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 oxidising 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 unlabelled 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 oxidising 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 unlabelled 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 from oxidising 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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
Nominal 13K	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 oxidising 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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials

SECTION 7: Handling and storage

Nominal 30K	<p>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 oxidising 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 unlabelled 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 oxidising 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 unlabelled 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 oxidising 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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p>
Nominal 300K	<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 oxidising 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 unlabelled 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 oxidising 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 unlabelled 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-</p>

SECTION 7: Handling and storage

ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidising 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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

Recommendations	:	<input checked="" type="checkbox"/> 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.
		Nominal 1 Million	Industrial applications, Professional applications.
Industrial sector specific solutions	:	<input checked="" type="checkbox"/> 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 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

No exposure limit value known.

Biological exposure indices

No exposure indices known.

Recommended monitoring procedures : Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

No DNELs/DMELs available.

PNECs

No PNECs available

8.2 Exposure controls

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

Individual protection measures

SECTION 8: Exposure controls/personal protection

- 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.
- 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 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

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.]
- Colour** : Nominal 1K White.
 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

Odour	:	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]
	Odour threshold	:	Nominal 1K
		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/freezing point		:	Nominal 1K
		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.
	Initial boiling point and boiling range	:	Nominal 1K
		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		:	Nominal 1K
		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.
	Upper/lower flammability or explosive limits	:	Nominal 1K
		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 9: Physical and chemical properties

Flash point : 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.

Auto-ignition temperature : 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.

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.
 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.

Viscosity : 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.

Solubility(ies)	Media	Result
	<input checked="" type="checkbox"/> Nominal 1K water	Partially soluble
	Nominal 3K water	Partially soluble
	Nominal 7K water	Partially soluble
	Nominal 13K water	Partially soluble
	Nominal 30K water	Partially soluble

SECTION 9: Physical and chemical properties

Nominal 70K water	Partially soluble
Nominal 130K water	Partially soluble
Nominal 300K water	Partially soluble
Nominal 700K water	Partially soluble
Nominal 1 Million water	Partially soluble

Partition coefficient: n-octanol/water :

<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.

Vapour pressure :

<input checked="" type="checkbox"/> 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.

Evaporation rate :

<input checked="" type="checkbox"/> 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.

Relative density :

<input checked="" type="checkbox"/> 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.

Vapour density :

<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.

SECTION 9: Physical and chemical properties

Explosive properties	:	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.

Oxidising properties	:	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.

Particle characteristics

Median particle size	:	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.

9.2 Other information

No additional information.

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.

SECTION 10: Stability and reactivity

10.2 Chemical stability	: <input checked="" type="checkbox"/> Nominal 1K Nominal 3K Nominal 7K Nominal 13K Nominal 30K Nominal 70K Nominal 130K Nominal 300K Nominal 700K Nominal 1 Million	The product is stable. The product is stable. The product is stable. The product is stable. The product is stable. The product is stable. The product is stable. The product is stable. The product is stable. The product is stable.
10.3 Possibility of hazardous reactions	: <input checked="" type="checkbox"/> Nominal 1K Nominal 3K Nominal 7K Nominal 13K Nominal 30K Nominal 70K Nominal 130K Nominal 300K Nominal 700K Nominal 1 Million	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: <input checked="" type="checkbox"/> Nominal 1K Nominal 3K Nominal 7K Nominal 13K Nominal 30K 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 earthing and bonding containers and equipment before transferring material. Prevent dust accumulation. 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 earthing and bonding containers and equipment before transferring material. Prevent dust accumulation. 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 earthing and bonding containers and equipment before transferring material. Prevent dust accumulation. 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 earthing and bonding containers and equipment before transferring material. Prevent dust accumulation. 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 earthing and bonding containers and equipment before transferring material. Prevent dust accumulation.

SECTION 10: Stability and reactivity

Nominal 130K	possible sources of ignition (spark or flame). Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by earthing and bonding containers and equipment before transferring material. Prevent dust accumulation. 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 earthing and bonding containers and equipment before transferring material. Prevent dust accumulation.
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 earthing and bonding containers and equipment before transferring material. Prevent dust accumulation.
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 earthing and bonding containers and equipment before transferring material. Prevent dust accumulation.
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 earthing and bonding containers and equipment before transferring material. Prevent dust accumulation.

10.5 Incompatible materials

: Nominal 1K	Reactive or incompatible with the following materials: oxidising materials
Nominal 3K	Reactive or incompatible with the following materials: oxidising materials
Nominal 7K	Reactive or incompatible with the following materials: oxidising materials
Nominal 13K	Reactive or incompatible with the following materials: oxidising materials
Nominal 30K	Reactive or incompatible with the following materials: oxidising materials
Nominal 70K	Reactive or incompatible with the following materials: oxidising materials
Nominal 130K	Reactive or incompatible with the following materials: oxidising materials
Nominal 300K	Reactive or incompatible with the following materials: oxidising materials
Nominal 700K	Reactive or incompatible with the following materials: oxidising materials
Nominal 1 Million	Reactive or incompatible with the following materials: oxidising 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.

SECTION 10: Stability and reactivity

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	-
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	-

Acute toxicity estimates

N/A

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Nominal 1K Sodium poly acrylate	Eyes - Moderate irritant	Rabbit	-	2 mg	-
Nominal 3K Sodium poly acrylate	Eyes - Moderate irritant	Rabbit	-	2 mg	-
Nominal 7K Sodium poly acrylate	Eyes - Moderate irritant	Rabbit	-	2 mg	-
Nominal 13K Sodium poly acrylate	Eyes - Moderate irritant	Rabbit	-	2 mg	-
Nominal 30K					

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Sodium poly acrylate Nominal 70K	Eyes - Moderate irritant	Rabbit	-	2 mg	-
Sodium poly acrylate Nominal 130K	Eyes - Moderate irritant	Rabbit	-	2 mg	-
Sodium poly acrylate Nominal 300K	Eyes - Moderate irritant	Rabbit	-	2 mg	-
Sodium poly acrylate Nominal 700K	Eyes - Moderate irritant	Rabbit	-	2 mg	-
Sodium poly acrylate Nominal 1 Million	Eyes - Moderate irritant	Rabbit	-	2 mg	-

Sensitiser

Conclusion/Summary : Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on likely routes of exposure

✓ Nominal 1K	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
Nominal 3K	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
Nominal 7K	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
Nominal 13K	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
Nominal 30K	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
Nominal 70K	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
Nominal 130K	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
Nominal 300K	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
Nominal 700K	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
Nominal 1 Million	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

Potential acute health effects

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

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	Nominal 70K	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.
Ingestion	: <input checked="" type="checkbox"/> 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.
Skin contact	: <input checked="" type="checkbox"/> 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.
Eye contact	: <input checked="" type="checkbox"/> 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.
<u>Symptoms related to the physical, chemical and toxicological characteristics</u>		
Inhalation	: <input checked="" type="checkbox"/> 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

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			coughing Adverse symptoms may include the following: respiratory tract irritation
	Nominal 70K		coughing Adverse symptoms may include the following: respiratory tract irritation
	Nominal 130K		coughing Adverse symptoms may include the following: respiratory tract irritation
	Nominal 300K		coughing Adverse symptoms may include the following: respiratory tract irritation
	Nominal 700K		coughing Adverse symptoms may include the following: respiratory tract irritation
	Nominal 1 Million		coughing Adverse symptoms may include the following: respiratory tract irritation
Ingestion	: <input checked="" type="checkbox"/> 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.
Skin contact	: <input checked="" type="checkbox"/> 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.
Eye contact	: <input checked="" type="checkbox"/> 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
	Nominal 70K		Adverse symptoms may include the following: pain or irritation watering redness
	Nominal 130K		Adverse symptoms may include the following: pain or irritation

SECTION 11: Toxicological information

	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

Delayed and immediate effects as well as 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	: <input checked="" type="checkbox"/> 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	: <input checked="" type="checkbox"/> 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.

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Mutagenicity	:	<input checked="" type="checkbox"/> 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.
Reproductive toxicity	:	<input checked="" type="checkbox"/> 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 12: Ecological information

12.1 Toxicity

Conclusion/Summary : Not available.

12.2 Persistence and degradability

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

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

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

Product/ingredient name	PBT	P	B	T	vPvB	vP	vB
<input checked="" type="checkbox"/> Nominal 1K Nominal 1K	No	N/A	N/A	No	N/A	N/A	N/A
Nominal 3K Nominal 3K	No	N/A	N/A	No	N/A	N/A	N/A
Nominal 7K Nominal 7K	No	N/A	N/A	No	N/A	N/A	N/A
Nominal 13K Nominal 13K	No	N/A	N/A	No	N/A	N/A	N/A
Nominal 30K Nominal 30K	No	N/A	N/A	No	N/A	N/A	N/A
Nominal 70K Nominal 70K	No	N/A	N/A	No	N/A	N/A	N/A
Nominal 130K Nominal 130K	No	N/A	N/A	No	N/A	N/A	N/A

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SECTION 12: Ecological information

Nominal 300K Nominal 300K	No	N/A	N/A	No	N/A	N/A	N/A
Nominal 700K Nominal 700K	No	N/A	N/A	No	N/A	N/A	N/A
Nominal 1 Million Nominal 1 Million	No	N/A	N/A	No	N/A	N/A	N/A

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

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Methods of disposal : The generation of waste should be avoided or minimised 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.

Hazardous waste : The classification of the product may meet the criteria for a hazardous waste.

Packaging

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions : 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 spill material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA
14.1 UN number	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	No.	No.	No.

Additional information

14.6 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.

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SECTION 14: Transport information

14.7 Transport in bulk according to IMO instruments : Not available.

SECTION 15: Regulatory information

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

UK (GB)/REACH

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Ozone depleting substances

Not listed.

Prior Informed Consent (PIC)

Not listed.

Persistent Organic Pollutants

Not listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Not listed.

Label	:	<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.

Seveso Directive

This product is not controlled under the Seveso Directive.

EU regulations

Industrial emissions (integrated pollution prevention and control) - Air : Not listed

Industrial emissions (integrated pollution prevention and control) - Water : Not listed

15.2 Chemical safety assessment : This product contains substances for which Chemical Safety Assessments might still be required.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

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SECTION 15: Regulatory information

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.
Eurasian Economic Union	: Russian Federation inventory : All components are listed or exempted.
Japan	: Japan inventory (CSCL) : All components are listed or exempted. Japan inventory (ISHL) : All components are listed or exempted.
New Zealand	: All components are listed or exempted.
Philippines	: All components are listed or exempted.
Republic of Korea	: All components are listed or exempted.
Taiwan	: All components are listed or exempted.
Thailand	: All components are listed or exempted.
Turkey	: All components are listed or exempted.
United States	: All components are active or exempted.
Viet Nam	: All components are listed or exempted.

SECTION 16: Other information

 Indicates information that has changed from previously issued version.

Abbreviations and acronyms	: ATE = Acute Toxicity Estimate CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level EUH statement = CLP-specific Hazard statement N/A = Not available PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number vPvB = Very Persistent and Very Bioaccumulative
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Procedure used to derive the classification

Classification	Justification
Nominal 1K Eye Irrit. 2, H319	Calculation method
Nominal 3K Eye Irrit. 2, H319	Calculation method
Nominal 7K Eye Irrit. 2, H319	Calculation method
Nominal 13K Eye Irrit. 2, H319	Calculation method
Nominal 30K Eye Irrit. 2, H319	Calculation method
Nominal 70K Eye Irrit. 2, H319	Calculation method

SECTION 16: Other information

Nominal 130K Eye Irrit. 2, H319	Calculation method
Nominal 300K Eye Irrit. 2, H319	Calculation method
Nominal 700K Eye Irrit. 2, H319	Calculation method
Nominal 1 Million Eye Irrit. 2, H319	Calculation method

Full text of abbreviated H statements

Nominal 1K H319	Causes serious eye irritation.
Nominal 3K H319	Causes serious eye irritation.
Nominal 7K H319	Causes serious eye irritation.
Nominal 13K H319	Causes serious eye irritation.
Nominal 30K H319	Causes serious eye irritation.
Nominal 70K H319	Causes serious eye irritation.
Nominal 130K H319	Causes serious eye irritation.
Nominal 300K H319	Causes serious eye irritation.
Nominal 700K H319	Causes serious eye irritation.
Nominal 1 Million H319	Causes serious eye irritation.

Full text of classifications

Nominal 1K Eye Irrit. 2	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
Nominal 3K Eye Irrit. 2	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
Nominal 7K Eye Irrit. 2	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
Nominal 13K Eye Irrit. 2	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
Nominal 30K Eye Irrit. 2	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
Nominal 70K Eye Irrit. 2	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2

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Nominal 130K

Eye Irrit. 2 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2

Nominal 300K

Eye Irrit. 2 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2

Nominal 700K

Eye Irrit. 2 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2

Nominal 1 Million

Eye Irrit. 2 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2

Date of issue/ Date of revision : 26/12/2022

Date of previous issue : 24/10/2019

Version : 4

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