

SAFETY DATA SHEET



EN12916:2006 IP391-07 Cal. Solns A-D, Part Number 5190-0484

Section 1. Identification

Product identifier : EN12916:2006 IP391-07 Cal. Solns A-D, Part Number 5190-0484
Part no. (chemical kit) : 5190-0484
Part no. : EN12916:2006 IP391-07 Cal. Soln A 5190-0484-A
 EN12916:2006 IP391-07 Cal. Soln B 5190-0484-B
 EN12916:2006 IP391-07 Cal. Soln C 5190-0484-C
 EN12916:2006 IP391-07 Cal. Soln D 5190-0484-D

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

Material uses : Reagents and Standards for Analytical Chemistry Laboratory Use
 EN12916:2006 IP391-07 Cal. Soln A 1 x 1ml
 EN12916:2006 IP391-07 Cal. Soln B 1 x 1ml
 EN12916:2006 IP391-07 Cal. Soln C 1 x 1ml
 EN12916:2006 IP391-07 Cal. Soln D 1 x 1ml

Supplier/Manufacturer : Agilent Technologies Australia Pty Ltd
 679 Springvale Road
 Mulgrave
 Victoria 3170, Australia
 1800 802 402

Emergency telephone number (with hours of operation) : CHEMTREC®: +(61)-290372994

Section 2. Hazard(s) identification

Classification of the substance or mixture

EN12916:2006 IP391-07 Cal.

Soln A

H225 FLAMMABLE LIQUIDS - Category 2
 H315 SKIN CORROSION/IRRITATION - Category 2
 H336 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Narcotic effects) - Category 3
 H304 ASPIRATION HAZARD - Category 1
 H400 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
 H410 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1

EN12916:2006 IP391-07 Cal.

Soln B

H225 FLAMMABLE LIQUIDS - Category 2
 H315 SKIN CORROSION/IRRITATION - Category 2
 H336 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Narcotic effects) - Category 3
 H304 ASPIRATION HAZARD - Category 1
 H400 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
 H410 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1

EN12916:2006 IP391-07 Cal.

Soln C

H225 FLAMMABLE LIQUIDS - Category 2
 H315 SKIN CORROSION/IRRITATION - Category 2
 H336 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Narcotic effects) - Category 3
 H304 ASPIRATION HAZARD - Category 1
 H400 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1

Section 2. Hazard(s) identification

H410 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1

EN12916:2006 IP391-07 Cal.

Soln D

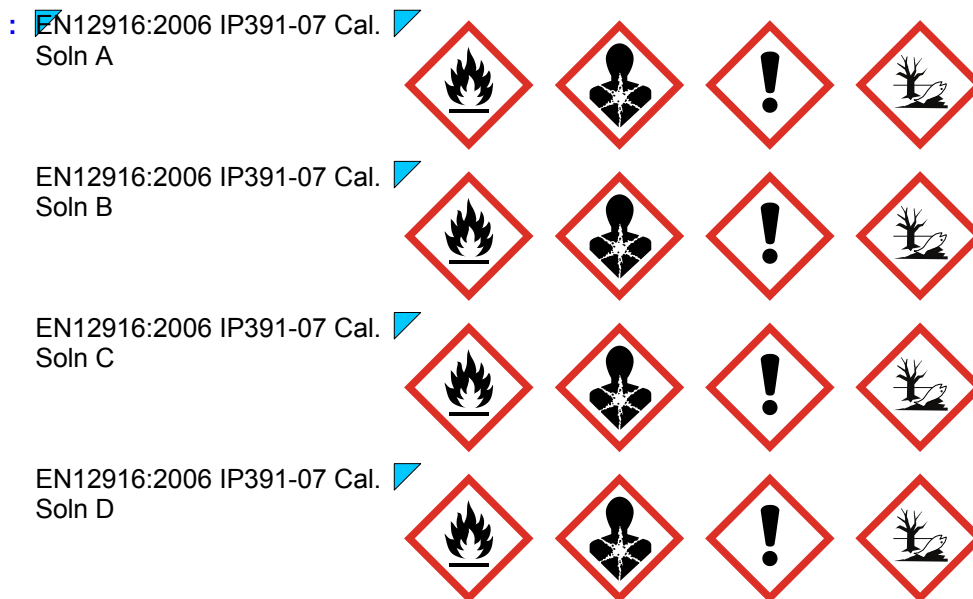
H225 FLAMMABLE LIQUIDS - Category 2
 H315 SKIN CORROSION/IRRITATION - Category 2
 H336 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Narcotic effects) - Category 3
 H304 ASPIRATION HAZARD - Category 1
 H400 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
 H410 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1

EN12916:2006 IP391-07 Cal. Soln A
 Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 1 - 10%
 Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 1 - 10%
 Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 1 - 10%

EN12916:2006 IP391-07 Cal. Soln B
 Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 1 - 10%
 Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 1 - 10%
 Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 1 - 10%

GHS label elements

Hazard pictograms



Signal word

EN12916:2006 IP391-07 Cal. Soln A DANGER
 EN12916:2006 IP391-07 Cal. Soln B DANGER
 EN12916:2006 IP391-07 Cal. Soln C DANGER
 EN12916:2006 IP391-07 Cal. Soln D DANGER

Hazard statements

EN12916:2006 IP391-07 Cal. Soln A
 H225 - Highly flammable liquid and vapour.
 H315 - Causes skin irritation.
 H304 - May be fatal if swallowed and enters airways.
 H336 - May cause drowsiness or dizziness.
 H410 - Very toxic to aquatic life with long lasting effects.
 EN12916:2006 IP391-07 Cal. H225 - Highly flammable liquid and vapour.

Section 2. Hazard(s) identification

Soln B

H315 - Causes skin irritation.
 H304 - May be fatal if swallowed and enters airways.
 H336 - May cause drowsiness or dizziness.
 H410 - Very toxic to aquatic life with long lasting effects.

EN12916:2006 IP391-07 Cal.
Soln C

H225 - Highly flammable liquid and vapour.

H315 - Causes skin irritation.
 H304 - May be fatal if swallowed and enters airways.
 H336 - May cause drowsiness or dizziness.
 H410 - Very toxic to aquatic life with long lasting effects.

EN12916:2006 IP391-07 Cal.
Soln D

H225 - Highly flammable liquid and vapour.

H315 - Causes skin irritation.
 H304 - May be fatal if swallowed and enters airways.
 H336 - May cause drowsiness or dizziness.
 H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention

- EN12916:2006 IP391-07 Cal.
Soln A
- P280 - Wear protective gloves. Wear eye or face protection.
 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P241 - Use explosion-proof electrical, ventilating, lighting and all material-handling equipment.
 P242 - Use only non-sparking tools.
 P243 - Take precautionary measures against static discharge.
 P233 - Keep container tightly closed.
 P271 - Use only outdoors or in a well-ventilated area.
 P273 - Avoid release to the environment.
 P261 - Avoid breathing vapour.
 P264 - Wash hands thoroughly after handling.
- EN12916:2006 IP391-07 Cal.
Soln B
- P280 - Wear protective gloves. Wear eye or face protection.
 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P241 - Use explosion-proof electrical, ventilating, lighting and all material-handling equipment.
 P242 - Use only non-sparking tools.
 P243 - Take precautionary measures against static discharge.
 P233 - Keep container tightly closed.
 P271 - Use only outdoors or in a well-ventilated area.
 P273 - Avoid release to the environment.
 P261 - Avoid breathing vapour.
 P264 - Wash hands thoroughly after handling.
- EN12916:2006 IP391-07 Cal.
Soln C
- P280 - Wear protective gloves. Wear eye or face protection.
 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P241 - Use explosion-proof electrical, ventilating, lighting and all material-handling equipment.
 P242 - Use only non-sparking tools.
 P243 - Take precautionary measures against static discharge.
 P233 - Keep container tightly closed.
 P271 - Use only outdoors or in a well-ventilated area.
 P273 - Avoid release to the environment.
 P261 - Avoid breathing vapour.

Section 2. Hazard(s) identification

EN12916:2006 IP391-07 Cal. Soln D	<p>P264 - Wash hands thoroughly after handling.</p> <p>P280 - Wear protective gloves. Wear eye or face protection.</p> <p>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P241 - Use explosion-proof electrical, ventilating, lighting and all material-handling equipment.</p> <p>P242 - Use only non-sparking tools.</p> <p>P243 - Take precautionary measures against static discharge.</p> <p>P233 - Keep container tightly closed.</p> <p>P271 - Use only outdoors or in a well-ventilated area.</p> <p>P273 - Avoid release to the environment.</p> <p>P261 - Avoid breathing vapour.</p> <p>P264 - Wash hands thoroughly after handling.</p>	
Response	: EN12916:2006 IP391-07 Cal. Soln A	<p>P391 - Collect spillage.</p> <p>P304 + P340 + P312 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.</p> <p>P301 + P310 + P331 - IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting.</p> <p>P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.</p> <p>P302 + P352 + P362 - IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing.</p> <p>P332 + P313 - If skin irritation occurs: Get medical attention.</p>
	EN12916:2006 IP391-07 Cal. Soln B	<p>P391 - Collect spillage.</p> <p>P304 + P340 + P312 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.</p> <p>P301 + P310 + P331 - IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting.</p> <p>P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.</p> <p>P302 + P352 + P362 - IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing.</p> <p>P332 + P313 - If skin irritation occurs: Get medical attention.</p>
	EN12916:2006 IP391-07 Cal. Soln C	<p>P391 - Collect spillage.</p> <p>P304 + P340 + P312 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.</p> <p>P301 + P310 + P331 - IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting.</p> <p>P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.</p> <p>P302 + P352 + P362 - IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing.</p> <p>P332 + P313 - If skin irritation occurs: Get medical attention.</p>

Section 2. Hazard(s) identification

EN12916:2006 IP391-07 Cal. P391 - Collect spillage.
Soln D

P304 + P340 + P312 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.

P301 + P310 + P331 - IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting.

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P302 + P352 + P362 - IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing.

P332 + P313 - If skin irritation occurs: Get medical attention.

Storage

: EN12916:2006 IP391-07 Cal. P405 - Store locked up.
Soln A

P403 - Store in a well-ventilated place.
P235 - Keep cool.

EN12916:2006 IP391-07 Cal. P405 - Store locked up.
Soln B

P403 - Store in a well-ventilated place.
P235 - Keep cool.

EN12916:2006 IP391-07 Cal. P405 - Store locked up.
Soln C

P403 - Store in a well-ventilated place.
P235 - Keep cool.

EN12916:2006 IP391-07 Cal. P405 - Store locked up.
Soln D

P403 - Store in a well-ventilated place.
P235 - Keep cool.

Disposal

: EN12916:2006 IP391-07 Cal. P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Soln A

EN12916:2006 IP391-07 Cal. P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Soln B

EN12916:2006 IP391-07 Cal. P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Soln C

EN12916:2006 IP391-07 Cal. P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Soln D

Supplemental label elements

Additional warning phrases

: EN12916:2006 IP391-07 Cal. Not applicable.
Soln A

EN12916:2006 IP391-07 Cal. Not applicable.
Soln B

EN12916:2006 IP391-07 Cal. Not applicable.
Soln C

EN12916:2006 IP391-07 Cal. Not applicable.
Soln D

Section 2. Hazard(s) identification

Other hazards which do not result in classification : EN12916:2006 IP391-07 Cal. None known.
Soln A
EN12916:2006 IP391-07 Cal. None known.
Soln B
EN12916:2006 IP391-07 Cal. None known.
Soln C
EN12916:2006 IP391-07 Cal. None known.
Soln D

Section 3. Composition and ingredient information

Substance/mixture : EN12916:2006 IP391-07 Cal. Mixture
Soln A
EN12916:2006 IP391-07 Cal. Mixture
Soln B
EN12916:2006 IP391-07 Cal. Mixture
Soln C
EN12916:2006 IP391-07 Cal. Mixture
Soln D

CAS number/other identifiers

Ingredient name	% (w/w)	CAS number
EN12916:2006 IP391-07 Cal. Soln A n-Heptane o-xylene	≥90 ≤10	142-82-5 95-47-6
EN12916:2006 IP391-07 Cal. Soln B n-Heptane o-xylene	≥90 ≤3	142-82-5 95-47-6
EN12916:2006 IP391-07 Cal. Soln C n-Heptane	≥90	142-82-5
EN12916:2006 IP391-07 Cal. Soln D n-Heptane	≥90	142-82-5

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

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

Section 4. First aid measures

Description of necessary first aid measures

Eye contact : EN12916:2006 IP391-07 Cal. 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.
Soln A

EN12916:2006 IP391-07 Cal. 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.
Soln B

EN12916:2006 IP391-07 Cal. 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.
Soln C

EN12916:2006 IP391-07 Cal. 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.
Soln D

Section 4. First aid measures

- Inhalation**
- : EN12916:2006 IP391-07 Cal. Soln A Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. 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 necessary, call a poison center or physician. 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.
 - EN12916:2006 IP391-07 Cal. Soln B Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. 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 necessary, call a poison center or physician. 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.
 - EN12916:2006 IP391-07 Cal. Soln C Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. 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 necessary, call a poison center or physician. 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.
 - EN12916:2006 IP391-07 Cal. Soln D Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. 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 necessary, call a poison center or physician. 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**
- : EN12916:2006 IP391-07 Cal. Soln A Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
 - EN12916:2006 IP391-07 Cal. Soln B Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue

Section 4. First aid measures

to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

EN12916:2006 IP391-07 Cal. Soln C Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

EN12916:2006 IP391-07 Cal. Soln D Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion

: EN12916:2006 IP391-07 Cal. Soln A Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. 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.

EN12916:2006 IP391-07 Cal. Soln B Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. 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.

EN12916:2006 IP391-07 Cal. Soln C Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. 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.

EN12916:2006 IP391-07 Cal. Soln D Get medical attention immediately. Call a poison center or physician. Wash out mouth with water.

Section 4. First aid measures

Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. 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.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : EN12916:2006 IP391-07 Cal. No known significant effects or critical hazards.
Soln A
EN12916:2006 IP391-07 Cal. No known significant effects or critical hazards.
Soln B
EN12916:2006 IP391-07 Cal. No known significant effects or critical hazards.
Soln C
EN12916:2006 IP391-07 Cal. No known significant effects or critical hazards.
Soln D
- Inhalation** : EN12916:2006 IP391-07 Cal. Can cause central nervous system (CNS) depression.
Soln A May cause drowsiness or dizziness.
EN12916:2006 IP391-07 Cal. Can cause central nervous system (CNS) depression.
Soln B May cause drowsiness or dizziness.
EN12916:2006 IP391-07 Cal. Can cause central nervous system (CNS) depression.
Soln C May cause drowsiness or dizziness.
EN12916:2006 IP391-07 Cal. Can cause central nervous system (CNS) depression.
Soln D May cause drowsiness or dizziness.
- Skin contact** : EN12916:2006 IP391-07 Cal. Causes skin irritation.
Soln A
EN12916:2006 IP391-07 Cal. Causes skin irritation.
Soln B
EN12916:2006 IP391-07 Cal. Causes skin irritation.
Soln C
EN12916:2006 IP391-07 Cal. Causes skin irritation.
Soln D
- Ingestion** : EN12916:2006 IP391-07 Cal. Can cause central nervous system (CNS) depression.
Soln A May be fatal if swallowed and enters airways.
EN12916:2006 IP391-07 Cal. Can cause central nervous system (CNS) depression.
Soln B May be fatal if swallowed and enters airways.
EN12916:2006 IP391-07 Cal. Can cause central nervous system (CNS) depression.
Soln C May be fatal if swallowed and enters airways.
EN12916:2006 IP391-07 Cal. Can cause central nervous system (CNS) depression.
Soln D May be fatal if swallowed and enters airways.

Over-exposure signs/symptoms

- Eye contact** : EN12916:2006 IP391-07 Cal. Adverse symptoms may include the following:
Soln A
pain or irritation
watering
redness
EN12916:2006 IP391-07 Cal. Adverse symptoms may include the following:
Soln B
pain or irritation
watering
redness
EN12916:2006 IP391-07 Cal. Adverse symptoms may include the following:

Section 4. First aid measures

Soln C

pain or irritation
watering
redness

EN12916:2006 IP391-07 Cal. Adverse symptoms may include the following:
Soln D

pain or irritation
watering
redness

Inhalation

: EN12916:2006 IP391-07 Cal. Adverse symptoms may include the following:
Soln A

nausea or vomiting
headache
drowsiness/fatigue
dizziness/vertigo
unconsciousness

EN12916:2006 IP391-07 Cal. Adverse symptoms may include the following:
Soln B

nausea or vomiting
headache
drowsiness/fatigue
dizziness/vertigo
unconsciousness

EN12916:2006 IP391-07 Cal. Adverse symptoms may include the following:
Soln C

nausea or vomiting
headache
drowsiness/fatigue
dizziness/vertigo
unconsciousness

EN12916:2006 IP391-07 Cal. Adverse symptoms may include the following:
Soln D

nausea or vomiting
headache
drowsiness/fatigue
dizziness/vertigo
unconsciousness

Skin contact

: EN12916:2006 IP391-07 Cal. Adverse symptoms may include the following:
Soln A

irritation
redness

EN12916:2006 IP391-07 Cal. Adverse symptoms may include the following:
Soln B

irritation
redness

EN12916:2006 IP391-07 Cal. Adverse symptoms may include the following:
Soln C

irritation
redness

EN12916:2006 IP391-07 Cal. Adverse symptoms may include the following:
Soln D

irritation
redness

Ingestion

: EN12916:2006 IP391-07 Cal. Adverse symptoms may include the following:
Soln A

nausea or vomiting

EN12916:2006 IP391-07 Cal. Adverse symptoms may include the following:
Soln B

nausea or vomiting

EN12916:2006 IP391-07 Cal. Adverse symptoms may include the following:
Soln C

nausea or vomiting

EN12916:2006 IP391-07 Cal. Adverse symptoms may include the following:

Section 4. First aid measures

Soln D

nausea or vomiting

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

- Notes to physician** :
- EN12916:2006 IP391-07 Cal. Soln A : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
 - EN12916:2006 IP391-07 Cal. Soln B : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
 - EN12916:2006 IP391-07 Cal. Soln C : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
 - EN12916:2006 IP391-07 Cal. Soln D : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

- Specific treatments** :
- EN12916:2006 IP391-07 Cal. Soln A : No specific treatment.
 - EN12916:2006 IP391-07 Cal. Soln B : No specific treatment.
 - EN12916:2006 IP391-07 Cal. Soln C : No specific treatment.
 - EN12916:2006 IP391-07 Cal. Soln D : No specific treatment.

- Protection of first-aiders** :
- EN12916:2006 IP391-07 Cal. Soln A : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
 - EN12916:2006 IP391-07 Cal. Soln B : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
 - EN12916:2006 IP391-07 Cal. Soln C : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
 - EN12916:2006 IP391-07 Cal. Soln D : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.


See toxicological information (Section 11)

Section 5. Firefighting measures

Extinguishing media

- Suitable extinguishing media** :
- EN12916:2006 IP391-07 Cal. Soln A : Use dry chemical, CO₂, water spray (fog) or foam.
 - EN12916:2006 IP391-07 Cal. Soln B : Use dry chemical, CO₂, water spray (fog) or foam.
 - EN12916:2006 IP391-07 Cal. Soln C : Use dry chemical, CO₂, water spray (fog) or foam.
 - EN12916:2006 IP391-07 Cal. Soln D : Use dry chemical, CO₂, water spray (fog) or foam.

Section 5. Firefighting measures

	Soln D	
Unsuitable extinguishing media	: EN12916:2006 IP391-07 Cal. Do not use water jet. Soln A EN12916:2006 IP391-07 Cal. Do not use water jet. Soln B EN12916:2006 IP391-07 Cal. Do not use water jet. Soln C EN12916:2006 IP391-07 Cal. Do not use water jet. Soln D	
Specific hazards arising from the chemical	:  EN12916:2006 IP391-07 Cal. Highly flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapour/gas is heavier than air and will spread along the ground. Vapours may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.	
	Soln A	
	EN12916:2006 IP391-07 Cal. Highly flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapour/gas is heavier than air and will spread along the ground. Vapours may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.	
	Soln B	
	EN12916:2006 IP391-07 Cal. Highly flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapour/gas is heavier than air and will spread along the ground. Vapours may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.	
	Soln C	
	EN12916:2006 IP391-07 Cal. Highly flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapour/gas is heavier than air and will spread along the ground. Vapours may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.	
	Soln D	

Section 5. Firefighting measures

Hazardous thermal decomposition products	: EN12916:2006 IP391-07 Cal. Soln A	Decomposition products may include the following materials: carbon dioxide carbon monoxide
	EN12916:2006 IP391-07 Cal. Soln B	Decomposition products may include the following materials: carbon dioxide carbon monoxide
	EN12916:2006 IP391-07 Cal. Soln C	Decomposition products may include the following materials: carbon dioxide carbon monoxide
	EN12916:2006 IP391-07 Cal. Soln D	Decomposition products may include the following materials: carbon dioxide carbon monoxide
Special protective actions for fire-fighters	: EN12916:2006 IP391-07 Cal. Soln A	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.
	EN12916:2006 IP391-07 Cal. Soln B	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.
	EN12916:2006 IP391-07 Cal. Soln C	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.
	EN12916:2006 IP391-07 Cal. Soln D	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	: EN12916:2006 IP391-07 Cal. Soln A	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	EN12916:2006 IP391-07 Cal. Soln B	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	EN12916:2006 IP391-07 Cal. Soln C	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	EN12916:2006 IP391-07 Cal. Soln D	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 5. Firefighting measures

Hazchem code	: EN12916:2006 IP391-07 Cal. 3YE Soln A EN12916:2006 IP391-07 Cal. 3YE Soln B EN12916:2006 IP391-07 Cal. 3YE Soln C EN12916:2006 IP391-07 Cal. 3YE Soln D
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Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	: EN12916:2006 IP391-07 Cal. Soln A	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 vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	EN12916:2006 IP391-07 Cal. Soln B	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 vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	EN12916:2006 IP391-07 Cal. Soln C	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 vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	EN12916:2006 IP391-07 Cal. Soln D	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 vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	: EN12916:2006 IP391-07 Cal. Soln A	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".
	EN12916:2006 IP391-07 Cal. Soln B	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".
	EN12916:2006 IP391-07 Cal. Soln C	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

Section 6. Accidental release measures

EN12916:2006 IP391-07 Cal. Soln D information in "For non-emergency personnel".
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".

- Environmental precautions** :
- EN12916:2006 IP391-07 Cal. Soln A 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). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.
 - EN12916:2006 IP391-07 Cal. Soln B 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). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.
 - EN12916:2006 IP391-07 Cal. Soln C 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). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.
 - EN12916:2006 IP391-07 Cal. Soln D 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). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

Methods and material for containment and cleaning up

- Methods for cleaning up** :
- EN12916:2006 IP391-07 Cal. Soln A Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
 - EN12916:2006 IP391-07 Cal. Soln B Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
 - EN12916:2006 IP391-07 Cal. Soln C Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
 - EN12916:2006 IP391-07 Cal. Soln D Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate

Section 6. Accidental release measures

waste disposal container. Dispose of via a licensed waste disposal contractor.

Section 7. Handling and storage

Precautions for safe handling

Protective measures

- : EN12916:2006 IP391-07 Cal. Soln A Put on appropriate personal protective equipment (see Section 8). Do not swallow. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
- EN12916:2006 IP391-07 Cal. Soln B Put on appropriate personal protective equipment (see Section 8). Do not swallow. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
- EN12916:2006 IP391-07 Cal. Soln C Put on appropriate personal protective equipment (see Section 8). Do not swallow. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
- EN12916:2006 IP391-07 Cal. Soln D Put on appropriate personal protective equipment (see Section 8). Do not swallow. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not

Section 7. Handling and storage

enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene

- : EN12916:2006 IP391-07 Cal. Soln A 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.
- EN12916:2006 IP391-07 Cal. Soln B 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.
- EN12916:2006 IP391-07 Cal. Soln C 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.
- EN12916:2006 IP391-07 Cal. Soln D 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.

Conditions for safe storage, including any incompatibilities

- : EN12916:2006 IP391-07 Cal. Soln A Store between the following temperatures: 18 to 25°C (64.4 to 77°F). 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. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
- EN12916:2006 IP391-07 Cal. Soln B Store between the following temperatures: 18 to 25°C (64.4 to 77°F). 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. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials.

Section 7. Handling and storage

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.

EN12916:2006 IP391-07 Cal. Soln C

Store between the following temperatures: 18 to 25°C (64.4 to 77°F). 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. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

EN12916:2006 IP391-07 Cal. Soln D

Store between the following temperatures: 18 to 25°C (64.4 to 77°F). 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. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls and personal protection

[Control parameters](#)

[Occupational exposure limits](#)

Ingredient name	Exposure limits
EN12916:2006 IP391-07 Cal. Soln A n-Heptane	Safe Work Australia (Australia, 1/2014). STEL: 2050 mg/m ³ 15 minutes. STEL: 500 ppm 15 minutes. TWA: 1640 mg/m ³ 8 hours. TWA: 400 ppm 8 hours.
o-xylene	Safe Work Australia (Australia, 1/2014). STEL: 655 mg/m ³ 15 minutes. STEL: 150 ppm 15 minutes. TWA: 350 mg/m ³ 8 hours. TWA: 80 ppm 8 hours.
EN12916:2006 IP391-07 Cal. Soln B n-Heptane	Safe Work Australia (Australia, 1/2014). STEL: 2050 mg/m ³ 15 minutes. STEL: 500 ppm 15 minutes. TWA: 1640 mg/m ³ 8 hours. TWA: 400 ppm 8 hours.
o-xylene	

Section 8. Exposure controls and personal protection

EN12916:2006 IP391-07 Cal. Soln C

n-Heptane

Safe Work Australia (Australia, 1/2014).

STEL: 655 mg/m³ 15 minutes.

STEL: 150 ppm 15 minutes.

TWA: 350 mg/m³ 8 hours.

TWA: 80 ppm 8 hours.

Safe Work Australia (Australia, 1/2014).

STEL: 2050 mg/m³ 15 minutes.

STEL: 500 ppm 15 minutes.

TWA: 1640 mg/m³ 8 hours.

TWA: 400 ppm 8 hours.

EN12916:2006 IP391-07 Cal. Soln D

n-Heptane

Safe Work Australia (Australia, 1/2014).

STEL: 2050 mg/m³ 15 minutes.

STEL: 500 ppm 15 minutes.

TWA: 1640 mg/m³ 8 hours.

TWA: 400 ppm 8 hours.

- Appropriate engineering controls** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
- 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.
- Individual protection measures**
- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.
- 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.

Section 8. Exposure controls and personal protection

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

Appearance

Physical state : EN12916:2006 IP391-07 Cal. Liquid.
Soln A
EN12916:2006 IP391-07 Cal. Liquid.
Soln B
EN12916:2006 IP391-07 Cal. Liquid.
Soln C
EN12916:2006 IP391-07 Cal. Liquid.
Soln D

Colour : EN12916:2006 IP391-07 Cal. Colourless.
Soln A
EN12916:2006 IP391-07 Cal. Colourless.
Soln B
EN12916:2006 IP391-07 Cal. Colourless.
Soln C
EN12916:2006 IP391-07 Cal. Colourless.
Soln D

Odour : EN12916:2006 IP391-07 Cal. Not available.
Soln A
EN12916:2006 IP391-07 Cal. Not available.
Soln B
EN12916:2006 IP391-07 Cal. Not available.
Soln C
EN12916:2006 IP391-07 Cal. Not available.
Soln D

Odour threshold : EN12916:2006 IP391-07 Cal. Not available.
Soln A
EN12916:2006 IP391-07 Cal. Not available.
Soln B
EN12916:2006 IP391-07 Cal. Not available.
Soln C
EN12916:2006 IP391-07 Cal. Not available.
Soln D

pH : EN12916:2006 IP391-07 Cal. Not available.
Soln A
EN12916:2006 IP391-07 Cal. Not available.
Soln B
EN12916:2006 IP391-07 Cal. Not available.
Soln C
EN12916:2006 IP391-07 Cal. Not available.
Soln D

Melting point : EN12916:2006 IP391-07 Cal. -91°C (-131.8°F)
Soln A
EN12916:2006 IP391-07 Cal. -91°C (-131.8°F)
Soln B
EN12916:2006 IP391-07 Cal. -91°C (-131.8°F)
Soln C
EN12916:2006 IP391-07 Cal. -91°C (-131.8°F)
Soln D

Section 9. Physical and chemical properties

Boiling point	: EN12916:2006 IP391-07 Cal. 98°C (208.4°F) Soln A EN12916:2006 IP391-07 Cal. 98°C (208.4°F) Soln B EN12916:2006 IP391-07 Cal. 98°C (208.4°F) Soln C EN12916:2006 IP391-07 Cal. 98°C (208.4°F) Soln D
Flash point	: EN12916:2006 IP391-07 Cal. Closed cup: -1.11°C (30°F) Soln A EN12916:2006 IP391-07 Cal. Closed cup: -1.11°C (30°F) Soln B EN12916:2006 IP391-07 Cal. Closed cup: -1.11°C (30°F) Soln C EN12916:2006 IP391-07 Cal. Closed cup: -1.11°C (30°F) Soln D
Evaporation rate	: EN12916:2006 IP391-07 Cal. Not available. Soln A EN12916:2006 IP391-07 Cal. Not available. Soln B EN12916:2006 IP391-07 Cal. Not available. Soln C EN12916:2006 IP391-07 Cal. Not available. Soln D
Flammability (solid, gas)	: EN12916:2006 IP391-07 Cal. Not applicable. Soln A EN12916:2006 IP391-07 Cal. Not applicable. Soln B EN12916:2006 IP391-07 Cal. Not applicable. Soln C EN12916:2006 IP391-07 Cal. Not applicable. Soln D
Lower and upper explosive (flammable) limits	: EN12916:2006 IP391-07 Cal. Lower: 1.05% Soln A Upper: 6.7% EN12916:2006 IP391-07 Cal. Lower: 1.05% Soln B Upper: 6.7% EN12916:2006 IP391-07 Cal. Lower: 1.05% Soln C Upper: 6.7% EN12916:2006 IP391-07 Cal. Lower: 1.05% Soln D Upper: 6.7%
Vapour pressure	: EN12916:2006 IP391-07 Cal. Not available. Soln A EN12916:2006 IP391-07 Cal. Not available. Soln B EN12916:2006 IP391-07 Cal. Not available. Soln C EN12916:2006 IP391-07 Cal. Not available. Soln D
Vapour density	: EN12916:2006 IP391-07 Cal. 3.5 [Air = 1] Soln A EN12916:2006 IP391-07 Cal. 3.5 [Air = 1] Soln B EN12916:2006 IP391-07 Cal. 3.5 [Air = 1] Soln C EN12916:2006 IP391-07 Cal. 3.5 [Air = 1] Soln D

Section 9. Physical and chemical properties

Relative density	: EN12916:2006 IP391-07 Cal. 0.684 Soln A EN12916:2006 IP391-07 Cal. 0.684 Soln B EN12916:2006 IP391-07 Cal. 0.684 Soln C EN12916:2006 IP391-07 Cal. 0.684 Soln D
Solubility	: EN12916:2006 IP391-07 Cal. Insoluble in the following materials: cold water and hot water. Soln A EN12916:2006 IP391-07 Cal. Insoluble in the following materials: cold water and hot water. Soln B EN12916:2006 IP391-07 Cal. Insoluble in the following materials: cold water and hot water. Soln C EN12916:2006 IP391-07 Cal. Insoluble in the following materials: cold water and hot water. Soln D
Partition coefficient: n-octanol/water	: EN12916:2006 IP391-07 Cal. Not available. Soln A EN12916:2006 IP391-07 Cal. Not available. Soln B EN12916:2006 IP391-07 Cal. Not available. Soln C EN12916:2006 IP391-07 Cal. Not available. Soln D
Auto-ignition temperature	: EN12916:2006 IP391-07 Cal. 215°C (419°F) Soln A EN12916:2006 IP391-07 Cal. 215°C (419°F) Soln B EN12916:2006 IP391-07 Cal. 215°C (419°F) Soln C EN12916:2006 IP391-07 Cal. 215°C (419°F) Soln D
Decomposition temperature	: EN12916:2006 IP391-07 Cal. Not available. Soln A EN12916:2006 IP391-07 Cal. Not available. Soln B EN12916:2006 IP391-07 Cal. Not available. Soln C EN12916:2006 IP391-07 Cal. Not available. Soln D
Viscosity	: EN12916:2006 IP391-07 Cal. Not available. Soln A EN12916:2006 IP391-07 Cal. Not available. Soln B EN12916:2006 IP391-07 Cal. Not available. Soln C EN12916:2006 IP391-07 Cal. Not available. Soln D

Section 10. Stability and reactivity

Reactivity	: EN12916:2006 IP391-07 Cal. No specific test data related to reactivity available for this product or its ingredients. Soln A EN12916:2006 IP391-07 Cal. No specific test data related to reactivity available for this product or its ingredients. Soln B EN12916:2006 IP391-07 Cal. No specific test data related to reactivity available for this product or its ingredients. Soln C EN12916:2006 IP391-07 Cal. No specific test data related to reactivity available for this product or its ingredients. Soln D
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Section 10. Stability and reactivity

Chemical stability	: EN12916:2006 IP391-07 Cal. The product is stable. Soln A EN12916:2006 IP391-07 Cal. The product is stable. Soln B EN12916:2006 IP391-07 Cal. The product is stable. Soln C EN12916:2006 IP391-07 Cal. The product is stable. Soln D
Possibility of hazardous reactions	: EN12916:2006 IP391-07 Cal. Under normal conditions of storage and use, hazardous reactions will not occur. Soln A EN12916:2006 IP391-07 Cal. Under normal conditions of storage and use, hazardous reactions will not occur. Soln B EN12916:2006 IP391-07 Cal. Under normal conditions of storage and use, hazardous reactions will not occur. Soln C EN12916:2006 IP391-07 Cal. Under normal conditions of storage and use, hazardous reactions will not occur. Soln D
Conditions to avoid	: EN12916:2006 IP391-07 Cal. Avoid all possible sources of ignition (spark or flame). Soln A Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapour to accumulate in low or confined areas. EN12916:2006 IP391-07 Cal. Avoid all possible sources of ignition (spark or flame). Soln B Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapour to accumulate in low or confined areas. EN12916:2006 IP391-07 Cal. Avoid all possible sources of ignition (spark or flame). Soln C Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapour to accumulate in low or confined areas. EN12916:2006 IP391-07 Cal. Avoid all possible sources of ignition (spark or flame). Soln D Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapour to accumulate in low or confined areas.
Incompatible materials	: EN12916:2006 IP391-07 Cal. Reactive or incompatible with the following materials: Soln A oxidizing materials EN12916:2006 IP391-07 Cal. Reactive or incompatible with the following materials: Soln B oxidizing materials EN12916:2006 IP391-07 Cal. Reactive or incompatible with the following materials: Soln C oxidizing materials EN12916:2006 IP391-07 Cal. Reactive or incompatible with the following materials: Soln D oxidizing materials
Hazardous decomposition products	: EN12916:2006 IP391-07 Cal. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Soln A EN12916:2006 IP391-07 Cal. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Soln B EN12916:2006 IP391-07 Cal. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Soln C EN12916:2006 IP391-07 Cal. Under normal conditions of storage and use,

Section 10. Stability and reactivity

Soln D

hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
EN12916:2006 IP391-07 Cal. Soln A				
n-Heptane	LC50 Inhalation Vapour	Rat	103 g/m ³	4 hours
	LC50 Inhalation Vapour	Rat	48000 ppm	4 hours
o-xylene	LC50 Inhalation Gas.	Rat	6350 ppm	4 hours
EN12916:2006 IP391-07 Cal. Soln B				
n-Heptane	LC50 Inhalation Vapour	Rat	103 g/m ³	4 hours
	LC50 Inhalation Vapour	Rat	48000 ppm	4 hours
o-xylene	LC50 Inhalation Gas.	Rat	6350 ppm	4 hours
EN12916:2006 IP391-07 Cal. Soln C				
n-Heptane	LC50 Inhalation Vapour	Rat	103 g/m ³	4 hours
	LC50 Inhalation Vapour	Rat	48000 ppm	4 hours
EN12916:2006 IP391-07 Cal. Soln D				
n-Heptane	LC50 Inhalation Vapour	Rat	103 g/m ³	4 hours
	LC50 Inhalation Vapour	Rat	48000 ppm	4 hours

Irritation/Corrosion

Not available.

Sensitisation

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)

Name	Category	Route of exposure	Target organs
EN12916:2006 IP391-07 Cal. Soln A			
n-Heptane	Category 3	Not applicable.	Narcotic effects
o-xylene	Category 3	Not applicable.	Respiratory tract irritation
EN12916:2006 IP391-07 Cal. Soln B			
n-Heptane	Category 3	Not applicable.	Narcotic effects
o-xylene	Category 3	Not applicable.	Respiratory tract irritation
EN12916:2006 IP391-07 Cal. Soln C			
n-Heptane	Category 3	Not applicable.	Narcotic effects

Section 11. Toxicological information

EN12916:2006 IP391-07 Cal. Soln D
n-Heptane

Category 3

Not applicable.

Narcotic effects

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Name	Result
EN12916:2006 IP391-07 Cal. Soln A EN12916:2006 IP391-07 Cal. Soln A n-Heptane	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1
EN12916:2006 IP391-07 Cal. Soln B EN12916:2006 IP391-07 Cal. Soln B n-Heptane	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1
EN12916:2006 IP391-07 Cal. Soln C EN12916:2006 IP391-07 Cal. Soln C n-Heptane	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1
EN12916:2006 IP391-07 Cal. Soln D EN12916:2006 IP391-07 Cal. Soln D n-Heptane	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1

Information on likely routes of exposure : EN12916:2006 IP391-07 Cal. Routes of entry anticipated: Oral, Dermal, Inhalation. Soln A
 EN12916:2006 IP391-07 Cal. Routes of entry anticipated: Oral, Dermal, Inhalation. Soln B
 EN12916:2006 IP391-07 Cal. Routes of entry anticipated: Oral, Dermal, Inhalation. Soln C
 EN12916:2006 IP391-07 Cal. Routes of entry anticipated: Oral, Dermal, Inhalation. Soln D

Potential acute health effects

Eye contact : EN12916:2006 IP391-07 Cal. No known significant effects or critical hazards. Soln A
 EN12916:2006 IP391-07 Cal. No known significant effects or critical hazards. Soln B
 EN12916:2006 IP391-07 Cal. No known significant effects or critical hazards. Soln C
 EN12916:2006 IP391-07 Cal. No known significant effects or critical hazards. Soln D

Inhalation : EN12916:2006 IP391-07 Cal. Can cause central nervous system (CNS) depression. Soln A May cause drowsiness or dizziness.
 EN12916:2006 IP391-07 Cal. Can cause central nervous system (CNS) depression. Soln B May cause drowsiness or dizziness.
 EN12916:2006 IP391-07 Cal. Can cause central nervous system (CNS) depression. Soln C May cause drowsiness or dizziness.
 EN12916:2006 IP391-07 Cal. Can cause central nervous system (CNS) depression. Soln D May cause drowsiness or dizziness.

Skin contact : EN12916:2006 IP391-07 Cal. Causes skin irritation. Soln A
 EN12916:2006 IP391-07 Cal. Causes skin irritation. Soln B
 EN12916:2006 IP391-07 Cal. Causes skin irritation. Soln C
 EN12916:2006 IP391-07 Cal. Causes skin irritation. Soln D

Section 11. Toxicological information

- Ingestion**
- : EN12916:2006 IP391-07 Cal. Soln A Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways.
 - EN12916:2006 IP391-07 Cal. Soln B Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways.
 - EN12916:2006 IP391-07 Cal. Soln C Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways.
 - EN12916:2006 IP391-07 Cal. Soln D Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways.

Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact**
- : EN12916:2006 IP391-07 Cal. Soln A Adverse symptoms may include the following:
 - pain or irritation
 - watering
 - redness
 - EN12916:2006 IP391-07 Cal. Soln B Adverse symptoms may include the following:
 - pain or irritation
 - watering
 - redness
 - EN12916:2006 IP391-07 Cal. Soln C Adverse symptoms may include the following:
 - pain or irritation
 - watering
 - redness
 - EN12916:2006 IP391-07 Cal. Soln D Adverse symptoms may include the following:
 - pain or irritation
 - watering
 - redness
- Inhalation**
- : EN12916:2006 IP391-07 Cal. Soln A Adverse symptoms may include the following:
 - nausea or vomiting
 - headache
 - drowsiness/fatigue
 - dizziness/vertigo
 - unconsciousness
 - EN12916:2006 IP391-07 Cal. Soln B Adverse symptoms may include the following:
 - nausea or vomiting
 - headache
 - drowsiness/fatigue
 - dizziness/vertigo
 - unconsciousness
 - EN12916:2006 IP391-07 Cal. Soln C Adverse symptoms may include the following:
 - nausea or vomiting
 - headache
 - drowsiness/fatigue
 - dizziness/vertigo
 - unconsciousness
 - EN12916:2006 IP391-07 Cal. Soln D Adverse symptoms may include the following:
 - nausea or vomiting
 - headache
 - drowsiness/fatigue
 - dizziness/vertigo
 - unconsciousness

Section 11. Toxicological information

- Skin contact** : EN12916:2006 IP391-07 Cal. Adverse symptoms may include the following:
Soln A
irritation
redness
- EN12916:2006 IP391-07 Cal. Adverse symptoms may include the following:
Soln B
irritation
redness
- EN12916:2006 IP391-07 Cal. Adverse symptoms may include the following:
Soln C
irritation
redness
- EN12916:2006 IP391-07 Cal. Adverse symptoms may include the following:
Soln D
irritation
redness
- Ingestion** : EN12916:2006 IP391-07 Cal. Adverse symptoms may include the following:
Soln A
nausea or vomiting
- EN12916:2006 IP391-07 Cal. Adverse symptoms may include the following:
Soln B
nausea or vomiting
- EN12916:2006 IP391-07 Cal. Adverse symptoms may include the following:
Soln C
nausea or vomiting
- EN12916:2006 IP391-07 Cal. Adverse symptoms may include the following:
Soln D
nausea or vomiting

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** : EN12916:2006 IP391-07 Cal. No known significant effects or critical hazards.
Soln A
EN12916:2006 IP391-07 Cal. No known significant effects or critical hazards.
Soln B
EN12916:2006 IP391-07 Cal. No known significant effects or critical hazards.
Soln C
EN12916:2006 IP391-07 Cal. No known significant effects or critical hazards.
Soln D
- Carcinogenicity** : EN12916:2006 IP391-07 Cal. No known significant effects or critical hazards.
Soln A
EN12916:2006 IP391-07 Cal. No known significant effects or critical hazards.
Soln B
EN12916:2006 IP391-07 Cal. No known significant effects or critical hazards.
Soln C
EN12916:2006 IP391-07 Cal. No known significant effects or critical hazards.
Soln D

Section 11. Toxicological information

- Mutagenicity** : EN12916:2006 IP391-07 Cal. No known significant effects or critical hazards.
Soln A
EN12916:2006 IP391-07 Cal. No known significant effects or critical hazards.
Soln B
EN12916:2006 IP391-07 Cal. No known significant effects or critical hazards.
Soln C
EN12916:2006 IP391-07 Cal. No known significant effects or critical hazards.
Soln D
- Teratogenicity** : EN12916:2006 IP391-07 Cal. No known significant effects or critical hazards.
Soln A
EN12916:2006 IP391-07 Cal. No known significant effects or critical hazards.
Soln B
EN12916:2006 IP391-07 Cal. No known significant effects or critical hazards.
Soln C
EN12916:2006 IP391-07 Cal. No known significant effects or critical hazards.
Soln D
- Developmental effects** : EN12916:2006 IP391-07 Cal. No known significant effects or critical hazards.
Soln A
EN12916:2006 IP391-07 Cal. No known significant effects or critical hazards.
Soln B
EN12916:2006 IP391-07 Cal. No known significant effects or critical hazards.
Soln C
EN12916:2006 IP391-07 Cal. No known significant effects or critical hazards.
Soln D
- Fertility effects** : EN12916:2006 IP391-07 Cal. No known significant effects or critical hazards.
Soln A
EN12916:2006 IP391-07 Cal. No known significant effects or critical hazards.
Soln B
EN12916:2006 IP391-07 Cal. No known significant effects or critical hazards.
Soln C
EN12916:2006 IP391-07 Cal. No known significant effects or critical hazards.
Soln D

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
EN12916:2006 IP391-07 Cal. Soln A Dermal Inhalation (gases)	20680.2 mg/kg 119381.1 ppm
EN12916:2006 IP391-07 Cal. Soln B Dermal Inhalation (gases)	78097.3 mg/kg 450834.7 ppm

- Other information** : EN12916:2006 IP391-07 Cal. Adverse symptoms may include the following:
Soln A Repeated exposure may cause skin dryness or cracking.
EN12916:2006 IP391-07 Cal. Adverse symptoms may include the following:
Soln B Repeated exposure may cause skin dryness or cracking.
EN12916:2006 IP391-07 Cal. Adverse symptoms may include the following:
Soln C Repeated exposure may cause skin dryness or cracking.
EN12916:2006 IP391-07 Cal. Adverse symptoms may include the following:
Soln D Repeated exposure may cause skin dryness or cracking.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
EN12916:2006 IP391-07 Cal. Soln A n-Heptane	Acute LC50 375000 µg/l Fresh water	Fish - Oreochromis mossambicus	96 hours
o-xylene	Acute EC50 4700 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 10700 µg/l Fresh water	Crustaceans - Artemia sp. - Nauplii	48 hours
	Acute EC50 1390 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 7600 µg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
EN12916:2006 IP391-07 Cal. Soln B n-Heptane	Acute LC50 375000 µg/l Fresh water	Fish - Oreochromis mossambicus	96 hours
o-xylene	Acute EC50 4700 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 10700 µg/l Fresh water	Crustaceans - Artemia sp. - Nauplii	48 hours
	Acute EC50 1390 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 7600 µg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
EN12916:2006 IP391-07 Cal. Soln C n-Heptane	Acute LC50 375000 µg/l Fresh water	Fish - Oreochromis mossambicus	96 hours
EN12916:2006 IP391-07 Cal. Soln D n-Heptane	Acute LC50 375000 µg/l Fresh water	Fish - Oreochromis mossambicus	96 hours

Persistence and degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
EN12916:2006 IP391-07 Cal. Soln A o-xylene	-	-	Readily
EN12916:2006 IP391-07 Cal. Soln B o-xylene	-	-	Readily

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
EN12916:2006 IP391-07 Cal. Soln A n-Heptane	4.66	552	high
o-xylene	3.12	8.1 to 25.9	low
EN12916:2006 IP391-07 Cal. Soln B n-Heptane	4.66	552	high
o-xylene	3.12	8.1 to 25.9	low

Section 12. Ecological information

EN12916:2006 IP391-07 Cal. Soln C n-Heptane	4.66	552	high
EN12916:2006 IP391-07 Cal. Soln D n-Heptane	4.66	552	high

Mobility in soil

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

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

Section 13. Disposal considerations

Disposal methods : 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. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

ADG / IMDG / IATA : Not regulated as Dangerous Goods according to the ADG Code .

Additional information

Remarks : De minimis quantities

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

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

Section 15. Regulatory information

Standard Uniform Schedule of Medicine and Poisons

Not regulated.

Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

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

Not listed.

Section 15. Regulatory information

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Ingredient name	List name	Status
EN12916:2006 IP391-07 Cal. Soln A PAHs PAHs	POPs - Annex 3 POPs - Annex 3	Listed Listed
EN12916:2006 IP391-07 Cal. Soln B PAHs PAHs	POPs - Annex 3 POPs - Annex 3	Listed Listed
EN12916:2006 IP391-07 Cal. Soln C PAHs	POPs - Annex 3	Listed

Inventory list

Australia	: All components are listed or exempted.
Canada	: All components are listed or exempted.
China	: All components are listed or exempted.
Europe	: All components are listed or exempted.
Japan	: Japan inventory (ENCS): All components are listed or exempted. Japan inventory (ISHL): All components are listed or exempted.
Malaysia	: Not determined.
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	: <input checked="" type="checkbox"/> Not determined.
Turkey	: Not determined.
United States	: All components are listed or exempted.
Viet Nam	: <input checked="" type="checkbox"/> Not determined.

Section 16. Any other relevant information

History

Date of issue/Date of revision : 21/05/2018

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Version : 5

Key to abbreviations

: ADG = Australian Dangerous Goods
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NOHSC = National Occupational Health and Safety Commission
SUSMP = Standard Uniform Schedule of Medicine and Poisons
UN = United Nations

Procedure used to derive the classification

Section 16. Any other relevant information

Classification	Justification
EN12916:2006 IP391-07 Cal. Soln A Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	On basis of test data Calculation method Calculation method Expert judgment Calculation method Calculation method
EN12916:2006 IP391-07 Cal. Soln B Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	On basis of test data Calculation method Calculation method Expert judgment Calculation method Calculation method
EN12916:2006 IP391-07 Cal. Soln C Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	On basis of test data Calculation method Calculation method Expert judgment Calculation method Calculation method
EN12916:2006 IP391-07 Cal. Soln D Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	On basis of test data Calculation method Calculation method Expert judgment Calculation method Calculation method

References : Not available.

✔ Indicates information that has changed from previously issued version.

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