

# SAFETY DATA SHEET

Electro-Wash® MX Presaturated Wipe

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

### 1.1 Product identifier

**Product name** : Electro-Wash® MX Presaturated Wipe  
**Product code** : CP421  
**Product description** : Wipes  
**Product type** : Wipes/Liquid.  
**Other means of identification** : CP421

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

Not applicable.

### 1.3 Details of the supplier of the safety data sheet

Manufacturer  
Chemtronics  
8125 Cobb Center Drive  
Kennesaw, GA 30152

Distributor

Importer  
ITW Contamination Control BV  
Saffierlaan 5  
VZ-2132 Hoofddorp  
The Netherlands

Email: [info@itw-cc.com](mailto:info@itw-cc.com)

Tel: +31 88 1307 400  
FAX: +31 88 1307 499

**e-mail address of person responsible for this SDS** : [askchemtronics@chemtronics.com](mailto:askchemtronics@chemtronics.com)

#### National contact

ITW Contamination Control BV  
Saffierlaan 5  
VZ-2132 Hoofddorp  
The Netherlands

Email: [info@itw-cc.com](mailto:info@itw-cc.com)

Tel: +31 88 1307 400  
FAX: +31 88 1307 499

### 1.4 Emergency telephone number

#### National advisory body/Poison Centre

**Telephone number** : EMERGENCY HEALTH INFORMATION:  
Chemtrec - 1-800-424-9300 or collect 703-527-3887

#### Supplier

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

- Telephone number** : Chemtronics Product Information: 800-TECH-401 (800-832-4401)  
Chemtronics Customer Service: 800-645-5244  
Chemtrec 800-424-9300
- Hours of operation** : Chemtrec - 1-800-424-9300 or collect 703-527-3887  
For emergency responders  
24/7
- Information limitations** : EMERGENCY HEALTH INFORMATION:  
EMERGENCY SPILL INFORMATION:  
Transport information

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Product definition** : Mixture

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

Flam. Liq. 2, H225

Skin Irrit. 2, H315

Eye Irrit. 2, H319

Aquatic Chronic 3, H412

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

**Ingredients of unknown toxicity** : 75 percent of the mixture consists of component(s) of unknown toxicity

**Ingredients of unknown ecotoxicity** : Contains 75 % of components with unknown hazards to the aquatic environment

#### Classification according to Directive 1999/45/EC [DPD]

The product is classified as dangerous according to Directive 1999/45/EC and its amendments.

**Classification** : F; R11  
R67

**Physical/chemical hazards** : Highly flammable. irritant

**Human health hazards** : Vapours may cause drowsiness and dizziness.

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

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

### 2.2 Label elements

**Hazard pictograms** :



**Signal word** : Danger

**Hazard statements** : Highly flammable liquid and vapour.  
Causes serious eye irritation.  
Causes skin irritation.  
Harmful to aquatic life with long lasting effects.

#### Precautionary statements

**Prevention** : Wear protective gloves. Wear eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Avoid release to the environment.

**Response** : IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

**Storage** : Keep cool.

## SECTION 2: Hazards identification

- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Hazardous ingredients** : ethanol
- Supplemental label elements** : FOR INDUSTRIAL USE ONLY
- Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : Not applicable.
- Special packaging requirements**
- Containers to be fitted with child-resistant fastenings** : Not applicable.
- Tactile warning of danger** : Not applicable.

### 2.3 Other hazards

- Other hazards which do not result in classification** : None known.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures : Mixture

| Product/ingredient name | Identifiers   | %          | Classification   |  | Type |
|-------------------------|---|------------|--|--|------|
|                         |   |            | 67/548/EEC   | Regulation (EC) No. 1272/2008 [CLP]  |      |
| ethanol                 | EC: 200-578-6<br>CAS: 64-17-5<br>Index: 603-002-00-5  | >=10 - <15 | F; R11   | Flam. Liq. 2, H225<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Aquatic Chronic 2, H411                   | [1]  |
| propan-2-ol             | EC: 200-661-7<br>CAS: 67-63-0<br>Index: 603-117-00-0  | >=10 - <15 | F; R11<br>Xi; R36<br>R67   | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336<br>(Narcotic effects)                            | [1]  |
| propyl acetate          | EC: 203-686-1<br>CAS: 109-60-4<br>Index: 607-024-00-6 | >=5 - <10  | F; R11<br>Xi; R36<br>R66, R67  | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336<br>(Narcotic effects)<br>Aquatic Chronic 3, H412 | [1]  |
|                         |   |            | <b>See Section 16 for the full text of the R-phrases declared above.</b> | <b>See Section 16 for the full text of the H-statements declared above.</b>                                  |      |

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.

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, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

## SECTION 3: Composition/information on ingredients

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
- [5] Substance of equivalent concern

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

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- Eye contact** : 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** : 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** : 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** : Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If potentially dangerous quantities of this material have been swallowed, call a physician immediately. **ASPIRATION HAZARD.**
- Protection of first-aiders** : 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

#### Potential acute health effects

- Eye contact** : Causes serious eye irritation.
- Inhalation** : Harmful by inhalation. Vapours may cause drowsiness and dizziness.
- Skin contact** : Causes skin irritation.
- Ingestion** : Harmful if swallowed. Irritating to mouth, throat and stomach.

#### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:
  - pain or irritation
  - redness
  - watering
- Inhalation** : Adverse symptoms may include the following:
  - dizziness/vertigo
  - drowsiness/fatigue
  - headache
- Skin contact** : Adverse symptoms may include the following:
  - irritation
  - cracking
  - dryness
  - redness
- Ingestion** : Adverse symptoms may include the following:
  - nausea or vomiting
  - Irritating to mouth, throat and stomach.

### 4.3 Indication of any immediate medical attention and special treatment needed

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Electro-Wash® MX Presaturated Wipe

## SECTION 4: First aid measures

**Specific treatments** : No specific treatment.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media** : Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.

**Unsuitable extinguishing media** : Do not use water jet.

### 5.2 Special hazards arising from the substance or mixture

**Hazards from the substance or mixture** : Highly flammable liquid. 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. Runoff to sewer may create fire or explosion hazard.

**Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide

### 5.3 Advice for firefighters

**Special protective actions for fire-fighters** : 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** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : 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** : 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".

### 6.2 Environmental precautions

: 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.

### 6.3 Methods and material for containment and cleaning up

**Small spill** : 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.

## SECTION 6: Accidental release measures

- Large spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.
- 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

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 7.1 Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Do not ingest. 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.
- Advice on general occupational hygiene** : 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

Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Avoid all possible sources of ignition (spark or flame).

#### Seveso II Directive - Reporting thresholds (in tonnes)

##### Danger criteria

| Category   | Notification and MAPP threshold | Safety report threshold |
|--|---------------------------------|-------------------------|
| P5c: Flammable liquids 2 and 3 not falling under P5a or P5b<br>C7b: Highly flammable (R11) | 5000<br>5000                    | 50000<br>50000          |

### 7.3 Specific end use(s)

- Recommendations** : Not available.
- Industrial sector specific solutions** : Not available.

## SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker or exposure or environmental releases.

### 8.1 Control parameters

#### Occupational exposure limits

No exposure limit value known.

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) 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** : If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

#### 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.

**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** : Use chemical-resistant, impervious gloves.

**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. Refer to European Standard EN 1149 for further information on material and design requirements and test methods.

**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** : A respirator is not needed under normal and intended conditions of product 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

### 9.1 Information on basic physical and chemical properties

#### Appearance

|  |  |
|--|--|
| Physical state                               | : Liquid.  |
| Colour                                       | : Colourless.  |
| Odour  | : Alcohol-like.  |
| Odour threshold                              | : Not available.   |
| pH   | : Not available.   |
| Melting point/freezing point                 | : Not available.   |
| Initial boiling point and boiling range      | : Not available.   |
| Flash point                                  | : Closed cup: 7°C [Tagliabue.]                                   |
| Evaporation rate                             | : 1.6 (butyl acetate = 1)  |
| Flammability (solid, gas)                    | : Not available.   |
| Upper/lower flammability or explosive limits | : Not available.   |
| Vapour pressure                              | : 4.8 kPa [room temperature]                                     |
| Vapour density                               | : >1 [Air = 1]   |
| Relative density                             | : 0.72   |
| Solubility(ies)                              | : Not available.   |
| Partition coefficient: n-octanol/ water      | : Not available.   |
| Auto-ignition temperature                    | : Not available.   |
| Decomposition temperature                    | : Not available.   |
| Viscosity                                    | : Not available.   |
| Explosive properties                         | : Not considered to be a product presenting a risk of explosion. |
| Oxidising properties                         | : Not available.   |

### 9.2 Other information

No additional information.

## SECTION 10: Stability and reactivity

|   |  |
|---|--|
| 10.1 Reactivity                         | : No specific test data related to reactivity available for this product or its ingredients.   |
| 10.2 Chemical stability                 | : The product is stable.   |
| 10.3 Possibility of hazardous reactions | : Under normal conditions of storage and use, hazardous reactions will not occur.  |
| 10.4 Conditions to avoid                | : Avoid all possible sources of ignition (spark or flame). Do not allow vapor to accumulate in low or confined areas. Avoid exposure - obtain special instructions before use. |
| 10.5 Incompatible materials             | : Reactive or incompatible with the following materials:<br>oxidizing materials  |
| 10.6 Hazardous decomposition products   | : 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 |
|-------------------------|------------------------|---------|--------------------------|----------|
| ethanol                 | LC50 Inhalation Vapour | Rat     | 124700 mg/m <sup>3</sup> | 4 hours  |
|                         | LD50 Oral              | Rat     | 7 g/kg                   | -        |
| propan-2-ol             | LD50 Dermal            | Rabbit  | 12800 mg/kg              | -        |
|                         | LD50 Oral              | Rat     | 5000 mg/kg               | -        |
| propyl acetate          | LD50 Oral              | Rat     | 9370 mg/kg               | -        |

**Conclusion/Summary** : Not available.

#### Acute toxicity estimates

Not available.

#### Irritation/Corrosion

| Product/ingredient name | Result                   | Species | Score | Exposure                           | Observation |
|-------------------------|--------------------------|---------|-------|------------------------------------|-------------|
| ethanol                 | Eyes - Mild irritant     | Rabbit  | -     | 24 hours 500 milligrams            | -           |
|                         | Eyes - Moderate irritant | Rabbit  | -     | 0.066666667 minutes 100 milligrams | -           |
|                         | Eyes - Moderate irritant | Rabbit  | -     | 100 microliters                    | -           |
|                         | Eyes - Severe irritant   | Rabbit  | -     | 500 milligrams                     | -           |
|                         | Skin - Mild irritant     | Rabbit  | -     | 400 milligrams                     | -           |
|                         | Skin - Moderate irritant | Rabbit  | -     | 24 hours 20 milligrams             | -           |
| propan-2-ol             | Eyes - Moderate irritant | Rabbit  | -     | 24 hours 100 milligrams            | -           |
|                         | Eyes - Moderate irritant | Rabbit  | -     | 10 milligrams                      | -           |
|                         | Eyes - Severe irritant   | Rabbit  | -     | 100 milligrams                     | -           |
|                         | Skin - Mild irritant     | Rabbit  | -     | 500 milligrams                     | -           |
| propyl acetate          | Eyes - Mild irritant     | Rabbit  | -     | 24 hours 500 milligrams            | -           |
|                         | Skin - Mild irritant     | Rabbit  | -     | 500 milligrams                     | -           |

**Conclusion/Summary** : Not available.

#### Sensitisation

**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)

| Product/ingredient name | Category   | Route of exposure | Target organs    |
|-------------------------|------------|-------------------|------------------|
| propan-2-ol             | Category 3 | Not applicable.   | Narcotic effects |
| propyl acetate          | Category 3 | Not applicable.   | Narcotic effects |

## SECTION 11: Toxicological information

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

**Information on the likely routes of exposure** : Not available.

### Potential acute health effects

**Eye contact** : Causes serious eye irritation.  
**Inhalation** : Harmful by inhalation. Vapours may cause drowsiness and dizziness.  
**Skin contact** : Causes skin irritation.  
**Ingestion** : Harmful if swallowed. Irritating to mouth, throat and stomach.

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
redness  
watering

**Inhalation** : Adverse symptoms may include the following:  
dizziness/vertigo  
drowsiness/fatigue  
headache

**Skin contact** : Adverse symptoms may include the following:  
irritation  
cracking  
dryness  
redness

**Ingestion** : Adverse symptoms may include the following:  
nausea or vomiting  
Irritating to mouth, throat and stomach.

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

#### Short term exposure

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

### Potential chronic health effects

Not available.

**Conclusion/Summary** : Not available.  
**General** : No known significant effects or critical hazards.  
**Carcinogenicity** : No known significant effects or critical hazards.  
**Mutagenicity** : No known significant effects or critical hazards.  
**Teratogenicity** : No known significant effects or critical hazards.  
**Developmental effects** : No known significant effects or critical hazards.  
**Fertility effects** : No known significant effects or critical hazards.

**Other information** : Not available.

## SECTION 12: Ecological information

### 12.1 Toxicity

| Product/ingredient name | Result  | Species                                    | Exposure |
|-------------------------|---|--|----------|
| ethanol                 | Acute EC50 17.921 mg/l Marine water             | Algae - Ulva pertusa                       | 96 hours |
|                         | Acute EC50 2000 µg/l Fresh water                | Daphnia - Daphnia magna                    | 48 hours |
|                         | Acute LC50 25500 µg/l Marine water              | Crustaceans - Artemia franciscana - Larvae | 48 hours |
|                         | Acute LC50 42000 µg/l Fresh water               | Fish - Oncorhynchus mykiss                 | 4 days   |
|                         | Chronic NOEC 4.995 mg/l Marine water            | Algae - Ulva pertusa                       | 96 hours |
|                         | Chronic NOEC 0.375 µl/L Fresh water             | Fish - Gambusia holbrooki - Larvae         | 12 weeks |
| propan-2-ol             | Acute LC50 1400000 to 1950000 µg/l Marine water | Crustaceans - Crangon crangon              | 48 hours |
| propyl acetate          | Acute LC50 1400000 µg/l                         | Fish - Gambusia affinis                    | 96 hours |
|                         | Acute LC50 60000 to 64000 µg/l Fresh water      | Fish - Pimephales promelas                 | 96 hours |

**Conclusion/Summary** : Not available.

### 12.2 Persistence and degradability

**Conclusion/Summary** : Not available.

### 12.3 Bioaccumulative potential

| Product/ingredient name | LogP <sub>ow</sub> | BCF | Potential |
|-------------------------|--------------------|-----|-----------|
| ethanol                 | -0.35              | -   | low       |
| propan-2-ol             | 0.05               | -   | low       |
| propyl acetate          | 1.4                | -   | low       |

### 12.4 Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Mobility** : Not available.

### 12.5 Results of PBT and vPvB assessment

**PBT** : Not applicable.

**vPvB** : Not applicable.

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

## SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 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

## SECTION 13: Disposal considerations

- 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. Vapor 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

|  | ADR/RID                | ADN                    | IMDG                   | IATA  |
|--|------------------------|------------------------|------------------------|---|
| <b>14.1 UN number</b>                  | Not regulated.         | Not regulated.         | Not regulated.         | Not regulated.  |
| <b>14.2 UN proper shipping name</b>    |                        |                        | -                      |   |
| <b>14.3 Transport hazard class(es)</b> |                        |                        |                        |   |
| <b>14.4 Packing group</b>              | -                      |                        | -                      |   |
| <b>14.5 Environmental hazards</b>      | No.                    | No.                    | No.                    | No.   |
| <b>Additional information</b>          | Special provisions 216 | Special provisions 216 | Special provisions 216 | IATA DGR page 348, A46.<br>This product was designed and developed to meet the criteria of A46. |

**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.

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** : Not available.

## SECTION 15: Regulatory information

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

**EU Regulation (EC) No. 1907/2006 (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.

## SECTION 15: Regulatory information

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : Not applicable.

### Other EU regulations

**Europe inventory** : All components are listed or exempted.

### Seveso II Directive

This product is controlled under the Seveso II Directive.

### Danger criteria

#### Category

P5c: Flammable liquids 2 and 3 not falling under P5a or P5b  
C7b: Highly flammable (R11)

### International regulations

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

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

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

#### Rotterdam Convention on Prior Inform Consent (PIC)

Not listed.

#### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

### International lists

#### National inventory

**Australia** : All components are listed or exempted.  
**Canada** : Not determined.  
**China** : All components are listed or exempted.  
**Japan** : Not determined.  
**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** : Not determined.  
**United States** : Not determined.

**15.2 Chemical Safety Assessment** : This product contains substances for which Chemical Safety Assessments are still required.

## SECTION 16: Other information

☑ Indicates information that has changed from previously issued version.

## SECTION 16: Other information

**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
- PBT = Persistent, Bioaccumulative and Toxic
- PNEC = Predicted No Effect Concentration
- RRN = REACH Registration Number
- vPvB = Very Persistent and Very Bioaccumulative

### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

| Classification   | Justification   |
|--|---|
| Flam. Liq. 2, H225<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Aquatic Chronic 3, H412 | On basis of test data<br>Calculation method<br>Calculation method<br>Calculation method |

|  |   |   |
|--|---|---|
| <b>Full text of abbreviated H statements</b> : | H225<br>H315<br>H319<br>H336 (Narcotic effects)<br>H411<br>H412 | Highly flammable liquid and vapour.<br>Causes skin irritation.<br>Causes serious eye irritation.<br>May cause drowsiness or dizziness. (Narcotic effects)<br>Toxic to aquatic life with long lasting effects.<br>Harmful to aquatic life with long lasting effects. |
|--|---|---|

|   |  |   |
|---|--|---|
| <b>Full text of classifications [CLP/GHS]</b> : | Aquatic Chronic 2, H411<br>Aquatic Chronic 3, H412<br>Eye Irrit. 2, H319<br><br>Flam. Liq. 2, H225<br>Skin Irrit. 2, H315<br>STOT SE 3, H336<br>(Narcotic effects) | LONG-TERM AQUATIC HAZARD - Category 2<br>LONG-TERM AQUATIC HAZARD - Category 3<br>SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2<br><br>FLAMMABLE LIQUIDS - Category 2<br>SKIN CORROSION/IRRITATION - Category 2<br>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 |
|---|--|---|

**Full text of abbreviated R phrases** :

- R11- Highly flammable.
- R36- Irritating to eyes.
- R66- Repeated exposure may cause skin dryness or cracking.
- R67- Vapours may cause drowsiness and dizziness.

**Full text of classifications [DSD/DPD]** :

- F - Highly flammable
- Xi - Irritant

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**Version** : 1

### Notice to reader

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Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.