## **SAFETY DATA SHEET**



Techspray Precision-V Flux Remover (22346)

## Section 1. Identification

| Product identifier            | : Techspray Precision-V Flux Remover   |
|-------------------------------|--|
| Product code                  | : 1651-16S   |
| Other means of identification | : Fluxing agents Remover.<br>Aerosol<br>Industrial/Professional use<br>Date of commencement of manufacture or import December 12, 2022 |
| Product type                  | Lot Number: 22346 or Lot Number: >22346<br>Aerosol.  |

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

| Identified uses         |  |  |
|-------------------------|--|--|
| Fluxing agents Remover. |  |  |
| Uses advised against    |  |  |
| Not applicable.         |  |  |

| Supplier's details   | Manufacturer<br>Techspray<br>8125 Cobb Center Drive<br>Kennesaw, GA 30152<br>Tel: 678-819-1408<br>Toll free: 1-800-858-4043<br>Fax: 1 806-372-8750 |
|--|--|
|  | Distributor<br>EMX Enterprises LTD<br>250 Granton Drive<br>Richmond Hill, ONT<br>Canada L4B 1H7<br>905-764-0040                                    |
| Emergency telephone since a summer s | Chemtrec - 1-800-424-9300<br>CANUTEC (Canadian Transportation): (613) 996-6666<br>Emergency phone: (800) 858-4043<br>24/7                          |

## Section 2. Hazard identification

| Classification of the substance or mixture | : SKIN IRRITATION - Category 2<br>EYE IRRITATION - Category 2A<br>GASES UNDER PRESSURE Compressed gas                |
|--|--|
| GHS label elements                         |  |
| Hazard pictograms                          |  |
| Signal word                                | : Warning  |
| Hazard statements                          | : Causes skin irritation.<br>Causes serious eye irritation.<br>Contains gas under pressure. May explode when heated. |
| Precautionary statement                    |  |

## Section 2. Hazard identification

| Prevention | : Wear protective gloves. Wear eye or face protection. Wash thoroughly after handling.  |
|------------|---|
| Response   | : Take off contaminated clothing and wash it before reuse. IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention. |
| Storage    | : Protect from sunlight. Store in a well-ventilated place.  |
| Disposal   | : Dispose of contents and container in accordance with all local, regional, national and international regulations.   |

## Section 3. Composition/information on ingredients

| Substance/mixture             | Mixture   |     |
|-------------------------------|---|-----|
| Other means of identification | Fluxing agents Remover.<br>Aerosol<br>Industrial/Professional use<br>Date of commencement of manufacture or import December 12, 20<br>Lot Number: 22346 or Lot Number: >22346 | )22 |

| Ingredient name            | Synonyms  | % (w/w)   | CAS number |
|----------------------------|---|-----------|------------|
| trans-1,2-Dichloroethylene | Ethene, 1,2-dichloro-, (1E)-; Ethene,<br>1,2-dichloro-, (E)-; Ethylene,<br>1,2-dichloro-, (E)-;<br>DICHLOROETHYLENE-TRANS;<br>ETHENE, 1,2-DICHLORO- (E);<br>1,2-DICHLOROETHYLENE;<br>1,2-DICHLOROETHYLENE;<br>1,2-trans-Dichloroethylene; ETHENE,<br>TRANS-1,2-DICHLORO-;<br>Dichloroethylene;<br>1,2-Dichloroethylene; (1E)<br>-1,2-Dichloroethene   | ≥10 - ≤30 | 156-60-5   |
| Ethyl alcohol              | ethyl alcohol; ALCOHOL; Ethyl<br>alcohol (Ethanol); EtOH; Grain<br>alcohol; Cologne spirit; undenatured<br>ethyl alcohol, of an alcoholic strength<br>by volume of 80 % or more and<br>containing up to 20 % activated<br>carbon; mixture, consisting of ethyl<br>alcohol, isopropanol, n-propanol and<br>small quantities of other organic<br>products; Denatured Alcohol;<br>METHYLCARBINOL;<br>1-HYDROXYETHANE | ≥1 - ≤5   | 64-17-5    |

Ranges if listed above for hazardous ingredient(s) are prescribed ranges. The actual concentration(s) or actual concentration range(s) are being withheld as a trade secret.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified 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  | : 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.<br>If not breathing, if breathing is irregular or if respiratory arrest occurs, provide<br>artificial respiration or oxygen by trained personnel. It may be dangerous to the<br>person providing aid to give mouth-to-mouth resuscitation. Get medical attention if<br>adverse health effects persist or are severe. If unconscious, place in recovery<br>position and get medical attention immediately. Maintain an open airway. Loosen<br>tight clothing such as a collar, tie, belt or waistband. In case of inhalation of<br>decomposition products in a fire, symptoms may be delayed. The exposed person<br>may need to be kept under medical surveillance for 48 hours. |
| Skin contact | <ul> <li>Flush contaminated skin with plenty of water. Remove contaminated clothing and<br/>shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash<br/>clothing before reuse. Clean shoes thoroughly before reuse.</li> </ul>   |
| Ingestion    | : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.   |

#### Most important symptoms/effects, acute and delayed

| wost important symptoms/    | enects, acute and delayed  |
|-----------------------------|--|
| Potential acute health effe | <u>cts</u>   |
| Eye contact                 | : Causes serious eye irritation.   |
| Inhalation                  | : Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.   |
| Skin contact                | : Causes skin irritation.  |
| Ingestion                   | : Do not ingest. If swallowed then seek immediate medical assistance.  |
| Over-exposure signs/sym     | <u>otoms</u>   |
| Eye contact                 | : Adverse symptoms may include the following:<br>pain or irritation<br>watering<br>redness   |
| Inhalation                  | : Adverse symptoms may include the following:<br>respiratory tract irritation<br>coughing  |
| Skin contact                | : Adverse symptoms may include the following:<br>irritation<br>redness   |
| Ingestion                   | : Adverse symptoms may include the following:<br>Ingestion Seek medical attention.   |
| Indication of immediate me  | dical attention and special treatment needed, if necessary   |
| Notes to physician          | : In case of inhalation of decomposition products in a fire, symptoms may be delayed.<br>The exposed person may need to be kept under medical surveillance for 48 hours.   |
| Specific treatments         | : No specific treatment.   |
| 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. |

See toxicological information (Section 11)

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|---|--------------------------------|-------------|------------------------|-------------|-------------|
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## Section 5. Fire-fighting measures

| Extinguishing media                               |  |
|---|--|
| Suitable extinguishing media                      | : Use an extinguishing agent suitable for the surrounding fire.  |
| Unsuitable extinguishing media                    | : None known.  |
| Specific hazards arising from the chemical        | : In a fire or if heated, a pressure increase will occur and the container may burst.<br>Bursting aerosol containers may be propelled from a fire at high speed.   |
| Hazardous thermal decomposition products          | : Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>halogenated compounds<br>carbonyl halides  |
| 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<br>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.  |

## Section 6. Accidental release measures

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

| For non-emergency<br>personnel | :  | No action shall be taken involving any personal risk or without suitable training.<br>Evacuate surrounding areas. Keep unnecessary and unprotected personnel from<br>entering. In the case of aerosols being ruptured, care should be taken due to the<br>rapid escape of the pressurized contents and propellant. If a large number of<br>containers are ruptured, treat as a bulk material spillage according to the<br>instructions in the clean-up section. Do not touch or walk through spilled material.<br>Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate<br>respirator when ventilation is inadequate. Put on appropriate personal protective<br>equipment. |
|--------------------------------|----|--|
| For emergency responders       | :  | If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".  |
| Environmental precautions      |    | Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).  |
| Methods and materials for co   | nt | ainment and cleaning up  |
| Small spill                    |    | Stop leak if without risk. Move containers from spill area. 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.  |
| Large spill                    | :  | Stop leak if without risk. Move containers from spill area. Approach 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 (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.              |

## Section 7. Handling and storage

| Precautions for safe handling                                      | 1 |  |
|--|---|--|
| Protective measures  | : | Put on appropriate personal protective equipment (see Section 8). Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing gas. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Empty containers retain product residue and can be hazardous. |
| 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.  |
| Conditions for safe storage,<br>including any<br>incompatibilities | : | Store in accordance with local regulations. Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.   |

## Section 8. Exposure controls/personal protection

#### **Control parameters**

#### **Occupational exposure limits**

| Ingredient name            | Exposure limits  |
|----------------------------|--|
| trans-1,2-Dichloroethylene | <ul> <li>CA British Columbia Provincial (Canada, 1/2020).</li> <li>TWA: 200 ppm 8 hours.</li> <li>CA Quebec Provincial (Canada, 7/2019).</li> <li>TWAEV: 793 mg/m<sup>3</sup> 8 hours.</li> <li>TWAEV: 200 ppm 8 hours.</li> <li>CA Alberta Provincial (Canada, 6/2018).</li> <li>8 hrs OEL: 200 ppm 8 hours.</li> <li>8 hrs OEL: 793 mg/m<sup>3</sup> 8 hours.</li> <li>CA Saskatchewan Provincial (Canada, 7/2013).</li> <li>STEL: 250 ppm 15 minutes.</li> <li>TWA: 200 ppm 8 hours.</li> <li>CA Ontario Provincial (Canada, 6/2019).</li> <li>TWA: 200 ppm 8 hours.</li> </ul> |
| Ethyl alcohol              | <ul> <li>CA Alberta Provincial (Canada, 6/2018).<br/>8 hrs OEL: 1880 mg/m<sup>3</sup> 8 hours.<br/>8 hrs OEL: 1000 ppm 8 hours.</li> <li>CA British Columbia Provincial (Canada, 6/2021).<br/>STEL: 1000 ppm 15 minutes.</li> <li>CA Ontario Provincial (Canada, 6/2019).<br/>STEL: 1000 ppm 15 minutes.</li> <li>CA Saskatchewan Provincial (Canada, 7/2013).<br/>STEL: 1250 ppm 15 minutes.<br/>TWA: 1000 ppm 8 hours.</li> <li>CA Quebec Provincial (Canada, 6/2021).<br/>STEV: 1000 ppm 15 minutes.</li> </ul>   |

#### **Biological exposure indices**

No exposure indices known.

## Section 8. Exposure controls/personal protection

|                                  | · · ·   |
|----------------------------------|---|
| Appropriate engineering controls | : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.  |
| Environmental exposure controls  | : Emissions from ventilation or work process equipment should be checked to ensure<br>they comply with the requirements of environmental protection legislation. In some<br>cases, fume scrubbers, filters or engineering modifications to the process<br>equipment will be necessary to reduce emissions to acceptable levels.   |
| Individual protection meas       | <u>ures</u>   |
| 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<br>be worn at all times when handling chemical products if a risk assessment indicates<br>this is necessary. Considering the parameters specified by the glove manufacturer,<br>check during use that the gloves are still retaining their protective properties. It<br>should be noted that the time to breakthrough for any glove material may be<br>different for different glove manufacturers. In the case of mixtures, consisting of<br>several substances, the protection time of the gloves cannot be accurately<br>estimated. |
| Body protection                  | <ul> <li>Personal protective equipment for the body should be selected based on the task<br/>being performed and the risks involved and should be approved by a specialist<br/>before handling this product.</li> </ul>   |
| Other skin protection            | <ul> <li>Appropriate footwear and any additional skin protection measures should be<br/>selected based on the task being performed and the risks involved and should be<br/>approved by a specialist before handling this product.</li> </ul>   |
| 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 and safety characteristics

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

**Appearance** 

| Appearance  |                         |
|---|-------------------------|
| Physical state  | : Liquid. [Aerosol.]    |
| Color   | : Clear. Colorless.     |
| Odor  | : Ethereal. Faint odor. |
| Odor threshold  | : Not available.        |
| рН  | : Not available.        |
| Melting point/freezing point                            | : Not available.        |
| Boiling point, initial boiling point, and boiling range | : 33°C (91.4°F)         |
| Flash point   | : Not applicable.       |
| Flammability  | : Not available.        |
|   |                         |

Date of issue/Date of revision

## Section 9. Physical and chemical properties and safety characteristics

| Lower and upper explosion limit/flammability limit | : Lower: 4.8%<br>Upper: 12.9%            |
|--|--|
| Vapor pressure                                     | : 530.9 kPa (3982 mm Hg)                 |
| Relative vapor density                             | : >1 [Air = 1]                           |
| Relative density                                   | : Not available.                         |
| Density  | : 1.2815 g/cm <sup>3</sup> [25°C (77°F)] |
| Solubility in water                                | : Not available.                         |
| Partition coefficient: n-<br>octanol/water         | : Not applicable.                        |
| Auto-ignition temperature                          | : Not available.                         |
| Decomposition temperature                          | : Not available.                         |
| Heat of combustion                                 | : 2.229 kJ/g                             |
| Viscosity  | : Not available.                         |
| Particle characteristics                           |  |
| Median particle size                               | : Not applicable.                        |
| Aerosol product                                    |  |
| Type of aerosol                                    | : Spray                                  |
| Ignition distance                                  | : 0 cm                                   |
| Enclosed space ignition -<br>Time equivalent       | : 309 s/m³                               |
| Enclosed space ignition -                          | : 1401 g/m³                              |

## Section 10. Stability and reactivity

| Reactivity                         | : No specific test data related to reactivity available for this product or its ingredients.           |
|------------------------------------|--|
| Chemical stability                 | : The product is stable.   |
| Possibility of hazardous reactions | : Under normal conditions of storage and use, hazardous reactions will not occur.                      |
| Conditions to avoid                | : No specific data.  |
| Incompatible materials             | : No specific data.  |
| Hazardous decomposition products   | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

## Section 11. Toxicological information

#### Information on toxicological effects

#### Acute toxicity

Deflagration density

| Product/ingredient name    | Result                | Species | Dose         | Exposure |
|----------------------------|-----------------------|---------|--------------|----------|
| trans-1,2-Dichloroethylene | LC50 Inhalation Gas.  | Rat     | 24100 ppm    | 4 hours  |
|                            | LD50 Dermal           | Rabbit  | >5 g/kg      | -        |
| Ethyl alcohol              | LD50 Oral             | Rat     | 1235 mg/kg   | -        |
|                            | LC50 Inhalation Vapor | Rat     | 124700 mg/m³ | 4 hours  |
|                            | LD50 Oral             | Rat     | 7 g/kg       | -        |

Irritation/Corrosion

## Section 11. Toxicological information

| Product/ingredient name    | Result                   | Species | Score | Exposure     | Observation |
|----------------------------|--------------------------|---------|-------|--------------|-------------|
| trans-1,2-Dichloroethylene | Eyes - Moderate irritant | Rabbit  | -     | 10 mg        | -           |
| · · · · ·                  | Skin - Moderate irritant | Rabbit  | -     | 24 hours 500 | -           |
|                            |                          |         |       | mg           |             |
| Ethyl alcohol              | Eyes - Mild irritant     | Rabbit  | -     | 24 hours 500 | -           |
|                            |                          |         |       | mg           |             |
|                            | Eyes - Moderate irritant | Rabbit  | -     | 0.066666667  | -           |
|                            |                          |         |       | minutes 100  |             |
|                            |                          |         |       | mg           |             |
|                            | Eyes - Moderate irritant | Rabbit  | -     | 100 uL       | -           |
|                            | Eyes - Severe irritant   | Rabbit  | -     | 500 mg       | -           |
|                            | Skin - Mild irritant     | Rabbit  | -     | 400 mg       | -           |
|                            | Skin - Moderate irritant | Rabbit  | -     | 24 hours 20  | -           |
|                            |                          |         |       | mg           |             |

#### **Sensitization**

Not available.

#### **Mutagenicity**

Not available.

#### **Carcinogenicity**

Not available.

#### **Reproductive toxicity**

Not available.

#### **Teratogenicity**

Not available.

#### Specific target organ toxicity (single exposure)

Not available.

#### Specific target organ toxicity (repeated exposure)

Not available.

#### Aspiration hazard

Not available.

| Information on the likely routes of exposure | Not available.  |      |
|--|---|------|
| Potential acute health effect                |   |      |
| Eye contact                                  | Causes serious eye irritation.  |      |
| Inhalation                                   | Exposure to decomposition products may cause a health hazard. Serious effermay be delayed following exposure. | ects |
| Skin contact                                 | Causes skin irritation.   |      |
| Ingestion                                    | Do not ingest. If swallowed then seek immediate medical assistance.   |      |
| Symptoms related to the ph                   | al, chemical and toxicological characteristics  |      |
| Eye contact                                  | Adverse symptoms may include the following:<br>pain or irritation<br>watering<br>redness                      |      |
| Inhalation                                   | Adverse symptoms may include the following:<br>respiratory tract irritation<br>coughing                       |      |

## Section 11. Toxicological information

|                              |            | 5  |
|------------------------------|------------|--|
| Skin contact                 | :          | Adverse symptoms may include the following:<br>irritation<br>redness             |
| Ingestion                    | - 1        | Adverse symptoms may include the following:<br>Ingestion Seek medical attention. |
| Delayed and immediate effe   | <u>cts</u> | and also chronic effects from short and long term exposure                       |
| <u>Short term exposure</u>   |            |  |
| Potential immediate effects  | -          | Not available.   |
| Potential delayed effects    | :          | Not available.   |
| <u>Long term exposure</u>    |            |  |
| Potential immediate effects  | :          | Not available.   |
| Potential delayed effects    | :          | Not available.   |
| Potential chronic health eff | iect       | <u>S</u>   |
| 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.                                |
| Reproductive toxicity        | :          | No known significant effects or critical hazards.                                |
|                              |            |  |

#### Numerical measures of toxicity

#### Acute toxicity estimates

| Product/ingredient name    | Oral (mg/<br>kg) | Dermal<br>(mg/kg) | Inhalation<br>(gases)<br>(ppm) | Inhalation<br>(vapors)<br>(mg/l) | Inhalation<br>(dusts<br>and mists)<br>(mg/l) |
|----------------------------|------------------|-------------------|--------------------------------|----------------------------------|--|
| trans-1,2-Dichloroethylene | 1235             | N/A               | 24100                          | N/A                              | N/A  |
| Ethyl alcohol              | 7000             | N/A               | N/A                            | 124.7                            | N/A  |

## Section 12. Ecological information

#### **Toxicity**

| Product/ingredient name    | Result                               | Species                                       | Exposure |  |
|----------------------------|--------------------------------------|---|----------|--|
| trans-1,2-Dichloroethylene | Acute LC50 220000 µg/l Fresh water   | Daphnia - Daphnia magna                       | 48 hours |  |
| Ethyl alcohol              | 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<br>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 100 ul/L Fresh water    | Daphnia - Daphnia magna -<br>Neonate          | 21 days  |  |
|                            | Chronic NOEC 0.375 ul/L Fresh water  | Fish - Gambusia holbrooki -<br>Larvae         | 12 weeks |  |

#### Persistence and degradability

Not available.

#### **Bioaccumulative potential**

## Section 12. Ecological information

| Product/ingredient name    | LogPow | BCF | Potential |
|----------------------------|--------|-----|-----------|
| trans-1,2-Dichloroethylene | 2.09   | -   | low       |
| Ethyl alcohol              | -0.35  |     | low       |

#### Mobility in soil

| Soil/water partition | : Not available. |
|----------------------|------------------|
| coefficient (Koc)    |                  |

Other adverse effects

: No known significant effects or critical hazards.

### Section 13. Disposal considerations

Disposal methods: The generation of waste should be avoided or minimized wherever possible.<br/>Disposal of this product, solutions and any by-products should at all times comply<br/>with the requirements of environmental protection and waste disposal legislation and<br/>any regional local authority requirements. Dispose of surplus and non-recyclable<br/>products via a licensed waste disposal contractor. Waste should not be disposed of<br/>untreated to the sewer unless fully compliant with the requirements of all authorities<br/>with jurisdiction. Waste packaging should be recycled. Incineration or landfill<br/>should only be considered when recycling is not feasible. This material and its<br/>container must be disposed of in a safe way. Empty containers or liners may retain<br/>some product residues. Do not puncture or incinerate container.

## Section 14. Transport information

|                               | •                         | 1  | -   | •                           |  |
|-------------------------------|---------------------------|--|---|-----------------------------|--|
|                               | <b>TDG Classification</b> | DOT Classification   | IMDG  | ΙΑΤΑ                        |  |
| UN number                     | UN1950                    | UN1950   | UN1950  | UN1950                      |  |
| UN proper<br>shipping name    | AEROSOLS                  | AEROSOLS   | AEROSOLS IN<br>LIMITED QUANTITIES<br>OF CLASS 2 | Aerosols, non-<br>flammable |  |
| Transport<br>hazard class(es) | 2.2                       | 2.2  | 2.2   | 2.2                         |  |
| Packing group                 | -                         | -  | -   | -                           |  |
| Environmental<br>hazards      | No.                       | No.  | No.   | No.                         |  |
| Additional inform             | ation                     |  |   |                             |  |
| TDG Classification            |                           | classified as per the follow<br>egulations: 2.13-2.17 (Cla | ving sections of the Trans<br>ass 2).           | portation of Dangerou       |  |
| DOT Classificati              | - Bonortal                | blo averatity E000 lbo $100$                               | $\frac{1}{2}$                                   |                             |  |

- **DOT Classification** : <u>Reportable quantity</u> 5000 lbs / 2270 kg [467.94 gal / 1771.4 L]. Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.
- 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 : Not available. to IMO instruments

## Section 15. Regulatory information

| _                              |             | -  |                  |
|--------------------------------|-------------|--|------------------|
| Canadian lists                 |             |  |                  |
| Canadian NPRI                  | :           | : The following components are listed: volatile organic compounds; volatile organic compounds; ethanol |                  |
| CEPA Toxic substances          | :           | : The following components are listed: hydrofluorocarbons; carbon dioxide                              |                  |
| International regulations      |             |  |                  |
| Chemical Weapon Convent        | ion         | List Schedules I, II & III Chemicals   |                  |
| Not listed.                    |             |  |                  |
| Montreal Protocol              |             |  |                  |
| Ingredient name                |             |  | Status           |
| HFC-134a                       |             |  | Annex F, Group I |
| Stockholm Convention on I      | Per         | sistent Organic Pollutants   |                  |
| Not listed.                    |             |  |                  |
| Rotterdam Convention on F      | <b>Pric</b> | r Informed Consent (PIC)   |                  |
| Not listed.                    |             |  |                  |
| UNECE Aarhus Protocol on       | P           | )Ps and Heavy Metals   |                  |
| Not listed.                    |             |  |                  |
| Inventory list                 |             |  |                  |
| Australia                      | :           | All components are listed or exempted.   |                  |
| Canada                         | :           | All components are listed or exempted.   |                  |
| China                          | :           | All components are listed or exempted.   |                  |
| <b>Eurasian Economic Union</b> | :           | Russian Federation inventory: Not determined.  |                  |
| Japan                          | 1           | Japan inventory (CSCL): Not determined.<br>Japan inventory (ISHL): Not determined.                     |                  |
| New Zealand                    | :           | All components are listed or exempted.   |                  |
| Philippines                    | :           | All components are listed or exempted.   |                  |
| Republic of Korea              | :           | Not determined.  |                  |
| Taiwan                         | :           | All components are listed or exempted.   |                  |
| Thailand                       | :           | Not determined.  |                  |
| Turkey                         | :           | Not determined.  |                  |
| United States                  | :           | All components are active or exempted.   |                  |
| Viet Nam                       | :           | All components are listed or exempted.   |                  |
| Section 16. Other              | in          | formation  |                  |
| History                        |             |  |                  |

| History                        |   |
|--------------------------------|---|
| Date of printing               | : 3/27/2023   |
| Date of issue/Date of revision | : 3/27/2023   |
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| Version                        | : 2   |
| Key to abbreviations           | : ATE = Acute Toxicity Estimate<br>BCF = Bioconcentration Factor<br>GHS = Globally Harmonized System of Classification and Labelling of Chemicals<br>HPR = Hazardous Products Regulations<br>IATA = International Air Transport Association<br>IBC = Internediate Bulk Container<br>IMDG = International Maritime Dangerous Goods<br>LogPow = logarithm of the octanol/water partition coefficient<br>MARPOL = International Convention for the Prevention of Pollution From Ships,<br>1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)<br>N/A = Not available |
| Date of issue/Date of revision | : 3/27/2023 Date of previous issue : 3/27/2023 Version : 2 11/12  |

### Section 16. Other information

SGG = Segregation Group UN = United Nations

#### Procedure used to derive the classification

| Classification               | Justification   |
|------------------------------|---|
| EYE IRRITATION - Category 2A | Calculation method<br>Calculation method<br>On basis of test data |

References

: Not available.

✓ Indicates information that has changed from previously issued version.

#### Notice to reader

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