

# SAFETY DATA SHEET

## 1. Identification

|   |  |                |
|---|--|----------------|
| <b>Product identifier</b>                                     | <b>Probe II</b>  |                |
| <b>Other means of identification</b>                          |  |                |
| <b>Product code</b>   | 1000017072   |                |
| <b>Recommended use</b>  | CLEANER  |                |
| <b>Recommended restrictions</b>                               | None known.  |                |
| <b>Manufacturer/Importer/Supplier/Distributor information</b> |  |                |
| <b>Manufacturer</b>   |  |                |
| <b>Company name</b>   | Brodi Specialty Products                                       |                |
| <b>Address</b>  | 3175 – 14th Avenue<br>Unit #1<br>Markham, ON L3R 0H1<br>Canada |                |
| <b>Telephone</b>  | 877-744-0751   |                |
| <b>E-mail</b>   | Not available.   |                |
| <b>Emergency phone number</b>                                 | Emergency - Outside US   | 1-952-852-4646 |
|   | Emergency - US   | 1-866-836-8855 |
| <b>Supplier</b>   | Not available.   |                |

## 2. Hazard(s) identification

|                         |   |                             |
|-------------------------|---|-----------------------------|
| <b>Physical hazards</b> | Flammable aerosols                                | Category 1                  |
| <b>Health hazards</b>   | Skin corrosion/irritation                         | Category 2                  |
|                         | Reproductive toxicity                             | Category 2                  |
|                         | Specific target organ toxicity, single exposure   | Category 3 narcotic effects |
|                         | Specific target organ toxicity, repeated exposure | Category 2                  |
|                         | Aspiration hazard                                 | Category 1                  |

### Label elements



|                                |  |
|--------------------------------|--|
| <b>Signal word</b>             | Danger   |
| <b>Hazard statement</b>        | Extremely flammable aerosol. May be fatal if swallowed and enters airways. Causes skin irritation. May cause drowsiness or dizziness. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.  |
| <b>Precautionary statement</b> |  |
| <b>Prevention</b>              | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Do not breathe gas. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. |
| <b>Response</b>                | IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. IF ON SKIN: Wash with plenty of water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF exposed or concerned: Get medical advice/attention. Call a POISON CENTER/doctor if you feel unwell. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Collect spillage.  |
| <b>Storage</b>                 | Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.   |
| <b>Disposal</b>                | Dispose of contents/container in accordance with local/regional/national/international regulations.  |

|                                 |  |            |
|---------------------------------|--|------------|
| <b>Environmental hazards</b>    | Hazardous to the aquatic environment, acute hazard     | Category 2 |
|                                 | Hazardous to the aquatic environment, long-term hazard | Category 2 |
| <b>Other hazards</b>            | None known.  |            |
| <b>Supplemental information</b> | None.  |            |

### 3. Composition/information on ingredients

#### Mixtures

| Chemical name                            | Common name and synonyms | CAS number | %         |
|--|--------------------------|------------|-----------|
| Naphtha, (Petroleum), Hydrotreated Light |                          | 64742-49-0 | 40 - < 50 |
| 1,1-Difluoroethane                       |                          | 75-37-6    | 25        |
| n-Hexane                                 |                          | 110-54-3   | 20 - < 30 |
| Isopropyl Alcohol                        |                          | 67-63-0    | 9         |
| Cyclohexane                              |                          | 110-82-7   | < 1       |
| Other components below reportable levels |                          |            | < 0.1     |

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

### 4. First-aid measures

|   |   |
|---|---|
| <b>Inhalation</b>   | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.   |
| <b>Skin contact</b>   | Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.   |
| <b>Eye contact</b>  | Rinse with water. Get medical attention if irritation develops and persists.  |
| <b>Ingestion</b>  | Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.   |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.  |
| <b>Indication of immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.  |
| <b>General information</b>  | IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. |

### 5. Fire-fighting measures

|  |  |
|--|--|
| <b>Suitable extinguishing media</b>                                  | Foam. Powder. Carbon dioxide (CO <sub>2</sub> ).   |
| <b>Unsuitable extinguishing media</b>                                | Do not use water jet as an extinguisher, as this will spread the fire.   |
| <b>Specific hazards arising from the chemical</b>                    | Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.  |
| <b>Special protective equipment and precautions for firefighters</b> | Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.   |
| <b>Fire fighting equipment/instructions</b>                          | Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. |
| <b>Specific methods</b>  | Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.   |
| <b>General fire hazards</b>  | Extremely flammable aerosol.   |

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe gas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

### Methods and materials for containment and cleaning up

Refer to attached safety data sheets and/or instructions for use. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Prevent entry into waterways, sewer, basements or confined areas. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.

### Environmental precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

### Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Do not breathe gas. Avoid contact with eyes, skin, and clothing. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

### Conditions for safe storage, including any incompatibilities

Level 3 Aerosol.

Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values

##### Components

Cyclohexane (CAS 110-82-7)

Type

TWA

Value

100 ppm

Isopropyl Alcohol (CAS 67-63-0)

STEL

400 ppm

n-Hexane (CAS 110-54-3)

TWA

200 ppm

TWA

50 ppm

#### Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

##### Components

Type

Value

Cyclohexane (CAS 110-82-7)

TWA

344 mg/m<sup>3</sup>

Isopropyl Alcohol (CAS 67-63-0)

STEL

100 ppm

984 mg/m<sup>3</sup>

n-Hexane (CAS 110-54-3)

TWA

400 ppm

492 mg/m<sup>3</sup>

200 ppm

176 mg/m<sup>3</sup>

50 ppm

**Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)**

| Components                      | Type | Value   |
|---------------------------------|------|---------|
| Cyclohexane (CAS 110-82-7)      | TWA  | 100 ppm |
| Isopropyl Alcohol (CAS 67-63-0) | STEL | 400 ppm |
| n-Hexane (CAS 110-54-3)         | TWA  | 200 ppm |
|                                 | TWA  | 20 ppm  |

**Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)**

| Components                      | Type | Value   |
|---------------------------------|------|---------|
| Cyclohexane (CAS 110-82-7)      | TWA  | 100 ppm |
| Isopropyl Alcohol (CAS 67-63-0) | STEL | 400 ppm |
| n-Hexane (CAS 110-54-3)         | TWA  | 200 ppm |
|                                 | TWA  | 50 ppm  |

**Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)**

| Components                      | Type | Value   |
|---------------------------------|------|---------|
| Cyclohexane (CAS 110-82-7)      | TWA  | 100 ppm |
| Isopropyl Alcohol (CAS 67-63-0) | STEL | 400 ppm |
| n-Hexane (CAS 110-54-3)         | TWA  | 200 ppm |
|                                 | TWA  | 50 ppm  |

**Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)**

| Components                      | Type | Value      |
|---------------------------------|------|------------|
| Cyclohexane (CAS 110-82-7)      | TWA  | 1030 mg/m3 |
| Isopropyl Alcohol (CAS 67-63-0) | STEL | 300 ppm    |
|                                 |      | 1230 mg/m3 |
| n-Hexane (CAS 110-54-3)         | TWA  | 500 ppm    |
|                                 |      | 983 mg/m3  |
|                                 | TWA  | 400 ppm    |
|                                 |      | 176 mg/m3  |
|                                 |      | 50 ppm     |

**Biological limit values**

**ACGIH Biological Exposure Indices**

| Components                      | Value    | Determinant                         | Specimen | Sampling Time |
|---------------------------------|----------|-------------------------------------|----------|---------------|
| Isopropyl Alcohol (CAS 67-63-0) | 40 mg/l  | Acetone                             | Urine    | *             |
| n-Hexane (CAS 110-54-3)         | 0.4 mg/l | 2,5-Hexanedio n, without hydrolysis | Urine    | *             |

\* - For sampling details, please see the source document.

**Exposure guidelines**

**Canada - Alberta OELs: Skin designation**

n-Hexane (CAS 110-54-3) Can be absorbed through the skin.

**Canada - British Columbia OELs: Skin designation**

n-Hexane (CAS 110-54-3) Can be absorbed through the skin.

**Canada - Manitoba OELs: Skin designation**

n-Hexane (CAS 110-54-3) Can be absorbed through the skin.

**Canada - Ontario OELs: Skin designation**

n-Hexane (CAS 110-54-3) Can be absorbed through the skin.

**Canada - Quebec OELs: Skin designation**

n-Hexane (CAS 110-54-3) Can be absorbed through the skin.

**Canada - Saskatchewan OELs: Skin designation**

n-Hexane (CAS 110-54-3)

Can be absorbed through the skin.

**US ACGIH Threshold Limit Values: Skin designation**

n-Hexane (CAS 110-54-3)

Can be absorbed through the skin.

**Appropriate engineering controls**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

Wear safety glasses with side shields (or goggles).

**Skin protection****Hand protection**

Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

**Other**

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

**Respiratory protection**

If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

**Thermal hazards**

Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**

Observe any medical surveillance requirements. When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**9. Physical and chemical properties****Appearance****Physical state**

Gas.

**Form**

Aerosol.

**Color**

Not available.

**Odor**

Not available.

**Odor threshold**

Not available.

**pH**

Not available.

**Melting point/freezing point**

Not available.

**Initial boiling point and boiling range**

Not available.

**Flash point**

-58.0 °F (-50.0 °C) Propellant estimated

**Evaporation rate**

Not available.

**Flammability (solid, gas)**

Not available.

**Upper/lower flammability or explosive limits****Flammability limit - lower (%)**

3.9 % estimated

**Flammability limit - upper (%)**

13.2 % estimated

**Explosive limit - lower (%)**

Not available.

**Explosive limit - upper (%)**

Not available.

**Vapor pressure**

40 - 50 psig @70F estimated

**Vapor density**

Not available.

**Relative density**

Not available.

**Solubility(ies)****Solubility (water)**

Not available.

**Partition coefficient (n-octanol/water)**

Not available.

**Auto-ignition temperature**

611.6 °F (322 °C) estimated

**Decomposition temperature**

Not available.

**Viscosity**

Not available.

**Other information**

|                             |                         |
|-----------------------------|-------------------------|
| <b>Explosive properties</b> | Not explosive.          |
| <b>Oxidizing properties</b> | Not oxidizing.          |
| <b>Specific gravity</b>     | 0.673 - 0.693 estimated |

**10. Stability and reactivity**

|   |   |
|---|---|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.   |
| <b>Possibility of hazardous reactions</b> | Hazardous polymerization does not occur.  |
| <b>Conditions to avoid</b>                | Avoid temperatures exceeding the flash point. Contact with incompatible materials.            |
| <b>Incompatible materials</b>             | Acids. Strong oxidizing agents. Isocyanates. Chlorine.  |
| <b>Hazardous decomposition products</b>   | No hazardous decomposition products are known.  |

**11. Toxicological information****Information on likely routes of exposure**

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | May cause damage to organs through prolonged or repeated exposure by inhalation. May cause drowsiness and dizziness. Headache. Nausea, vomiting. |
| <b>Skin contact</b> | Causes skin irritation.  |
| <b>Eye contact</b>  | Direct contact with eyes may cause temporary irritation.   |
| <b>Ingestion</b>    | Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.                           |

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

Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Skin irritation. May cause redness and pain.

**Information on toxicological effects**

**Acute toxicity** May be fatal if swallowed and enters airways. Narcotic effects.

| <b>Product</b>                  | <b>Species</b> | <b>Test Results</b>  |
|---------------------------------|----------------|--|
| Probe II Contact CI Flam 3011   |                |  |
| <b><u>Acute</u></b>             |                |  |
| <b>Dermal</b>                   |                |  |
| LD50                            | Rat            | 7082 mg/kg   |
| <b>Inhalation</b>               |                |  |
| LC50                            | Rat            | 806 mg/l/4h  |
| <b>Components</b>               |                |  |
| Cyclohexane (CAS 110-82-7)      |                |  |
| <b><u>Acute</u></b>             |                |  |
| <b>Dermal</b>                   |                |  |
| LD50                            | Rabbit         | > 2000 mg/kg   |
| <b>Inhalation</b>               |                |  |
| LC50                            | Rat            | > 32880 mg/m <sup>3</sup> , 4 Hours<br>> 5540 ppm, 4 Hours |
| <b>Oral</b>                     |                |  |
| LD50                            | Rabbit         | > 5000 mg/kg   |
|                                 | Rat            | > 5000 mg/kg   |
| Isopropyl Alcohol (CAS 67-63-0) |                |  |
| <b><u>Acute</u></b>             |                |  |
| <b>Dermal</b>                   |                |  |
| LD50                            | Rabbit         | 16.4 ml/kg, 24 Hours                                       |
| <b>Inhalation</b>               |                |  |
| LC50                            | Rat            | > 10000 ppm, 6 Hours                                       |

| Components  | Species                      | Test Results   |
|---|------------------------------|--|
| <b>Oral</b><br>LD50                                       | Rat                          | 5.84 g/kg  |
| Naphtha, (Petroleum), Hydrotreated Light (CAS 64742-49-0) |                              |  |
| <b>Acute</b>  |                              |  |
| <b>Dermal</b><br>LD50                                     | Guinea pig; Rabbit<br>Rabbit | > 9.4 ml/kg, 24 Hours<br>> 1900 mg/kg, 24 Hours  |
| <b>Inhalation</b><br>LC50                                 | Rat                          | > 5000 mg/m3, 4 Hours<br>> 4980 mg/m3<br>> 4980 mg/m3, 4 Hours<br>> 4.96 mg/l, 4 Hours<br>13700 ppm, 4 Hours |
| <b>Oral</b><br>LD50                                       | Rat                          | 4820 mg/kg   |
| n-Hexane (CAS 110-54-3)                                   |                              |  |
| <b>Acute</b>  |                              |  |
| <b>Dermal</b><br>LD50                                     | Rabbit                       | > 2000 mg/kg, 4 Hours<br>> 5 ml/kg, 4 Hours  |
| <b>Inhalation</b><br>LC50                                 | Rat                          | > 5000 ppm, 24 Hours<br>> 31.86 mg/l<br>73860 ppm, 4 Hours   |
| <b>Oral</b><br>LD50                                       | Rat<br><br>Wistar rat        | 24 ml/kg<br>24 g/kg<br>49 g/kg   |

\* Estimates for product may be based on additional component data not shown.

|   |   |
|---|---|
| <b>Skin corrosion/irritation</b>                          | Causes skin irritation.   |
| <b>Serious eye damage/eye irritation</b>                  | Direct contact with eyes may cause temporary irritation.  |
| <b>Respiratory or skin sensitization</b>                  |   |
| <b>Respiratory sensitization</b>                          | Not a respiratory sensitizer.   |
| <b>Skin sensitization</b>                                 | This product is not expected to cause skin sensitization.   |
| <b>Germ cell mutagenicity</b>                             | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.                                      |
| <b>Carcinogenicity</b>                                    |   |
| <b>ACGIH Carcinogens</b>                                  |   |
| Isopropyl Alcohol (CAS 67-63-0)                           | A4 Not classifiable as a human carcinogen.  |
| <b>Canada - Manitoba OELs: carcinogenicity</b>            |   |
| 2-PROPANOL (CAS 67-63-0)                                  | Not classifiable as a human carcinogen.   |
| <b>Reproductive toxicity</b>                              | Suspected of damaging fertility or the unborn child.  |
| <b>Specific target organ toxicity - single exposure</b>   | May cause drowsiness and dizziness.   |
| <b>Specific target organ toxicity - repeated exposure</b> | Respiratory system. Skin. Central nervous system. Eyes. Peripheral nervous system. May cause damage to organs through prolonged or repeated exposure. |
| <b>Aspiration hazard</b>                                  | May be fatal if swallowed and enters airways.   |
| <b>Chronic effects</b>                                    | May cause damage to organs through prolonged or repeated exposure.  |

## 12. Ecological information

**Ecotoxicity** Toxic to aquatic life with long lasting effects.

| Product                         | Species | Test Results  |
|---------------------------------|---------|---|
| Probe II Contact CI Flam 3011   |         |   |
| <b>Aquatic</b>                  |         |   |
| Algae                           | IC50    | Algae 11111 mg/L, 72 Hours  |
| Fish                            | LC50    | Fish 10.2822 mg/L, 96 Hours                                       |
| <b>Components</b>               |         |   |
| Cyclohexane (CAS 110-82-7)      |         |   |
| <b>Aquatic</b>                  |         |   |
| Fish                            | LC50    | Fathead minnow (Pimephales promelas) 23.03 - 42.07 mg/l, 96 hours |
| Isopropyl Alcohol (CAS 67-63-0) |         |   |
| <b>Aquatic</b>                  |         |   |
| Algae                           | IC50    | Algae 1000.0001 mg/L, 72 Hours                                    |
| Crustacea                       | EC50    | Daphnia 13299 mg/L, 48 Hours                                      |
| Fish                            | LC50    | Bluegill (Lepomis macrochirus) > 1400 mg/l, 96 hours              |
| n-Hexane (CAS 110-54-3)         |         |   |
| <b>Aquatic</b>                  |         |   |
| Fish                            | LC50    | Fathead minnow (Pimephales promelas) 2.101 - 2.981 mg/l, 96 hours |

\* Estimates for product may be based on additional component data not shown.

**Persistence and degradability** No data is available on the degradability of this product.

### Bioaccumulative potential

#### Partition coefficient n-octanol / water (log Kow)

|                    |      |
|--------------------|------|
| 1,1-Difluoroethane | 0.75 |
| Cyclohexane        | 3.44 |
| Isopropyl Alcohol  | 0.05 |
| n-Hexane           | 3.9  |

**Mobility in soil** No data available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

## 14. Transport information

### TDG

|                                   |                     |
|-----------------------------------|---------------------|
| <b>UN number</b>                  | UN1950              |
| <b>UN proper shipping name</b>    | AEROSOLS, flammable |
| <b>Transport hazard class(es)</b> |                     |
| <b>Class</b>                      | 2.1                 |
| <b>Subsidiary risk</b>            | -                   |
| <b>Packing group</b>              | Not applicable.     |

**Environmental hazards** D  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

**IATA**

**UN number** UN1950  
**UN proper shipping name** Aerosols, flammable  
**Transport hazard class(es)**  
**Class** 2.1  
**Subsidiary risk** -  
**Label(s)** 2.1  
**Packing group** Not applicable.  
**Environmental hazards** Yes  
**ERG Code** 10L  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.

**Other information**

**Passenger and cargo aircraft** Allowed with restrictions.  
**Cargo aircraft only** Allowed with restrictions.

**IMDG**

**UN number** UN1950  
**UN proper shipping name** AEROSOLS  
**Transport hazard class(es)**  
**Class** 2.1  
**Subsidiary risk** -  
**Label(s)** 2.1  
**Packing group** Not applicable.  
**Environmental hazards**  
**Marine pollutant** Yes  
**EmS** F-D, S-U  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.

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

**IATA; IMDG; TDG**



**Marine pollutant**



**General information**

IMDG Regulated Marine Pollutant.

## 15. Regulatory information

### Canadian regulations

#### Controlled Drugs and Substances Act

Not regulated.

#### Export Control List (CEPA 1999, Schedule 3)

Not listed.

#### Greenhouse Gases

1,1-Difluoroethane (CAS 75-37-6)

#### Precursor Control Regulations

Not regulated.

### International regulations

#### Stockholm Convention

Not applicable.

#### Rotterdam Convention

Not applicable.

#### Kyoto protocol

Not applicable.

#### Montreal Protocol

Not applicable.

#### Basel Convention

Not applicable.

### International Inventories

| Country(s) or region        | Inventory name   | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                     | Yes                    |
| Canada                      | Domestic Substances List (DSL)   | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | Yes                    |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes                    |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | No                     |
| Korea                       | Existing Chemicals List (ECL)  | Yes                    |
| New Zealand                 | New Zealand Inventory  | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | Yes                    |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other Information

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**Disclaimer** The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. We cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

**Revision information** Product and Company Identification: Alternate Trade Names