

# SAFETY DATA SHEET

## 1. Identification

|  |   |                |  |
|--|---|----------------|--|
| Product identifier                                     | SWISH STAINLESS STEEL CLEANER                                   |                |  |
| Other means of identification                          |   |                |  |
| Product code   | 1000003406  |                |  |
| Recommended use  | Cleaner   |                |  |
| Recommended restrictions                               | None known.   |                |  |
| Manufacturer/Importer/Supplier/Distributor information |   |                |  |
| Manufacturer   |   |                |  |
| Company name   | SWISH MAINTENANCE LTD   |                |  |
| Address  | 2020 FISHER DRIVE<br>PETERBOROUGH ONTARIO, ON K9J 8N4<br>Canada |                |  |
| Telephone  | General Assistance  | 705-745-5763   |  |
| E-mail   | Not available.  |                |  |
| Emergency phone number                                 | Emergency - US  | 1-866-836-8855 |  |
|  | Emergency - Outside US  | 1-952-852-4646 |  |
| Supplier   | Not available.  |                |  |

## 2. Hazard(s) identification

|                  |   |                             |
|------------------|---|-----------------------------|
| Physical hazards | Flammable aerosols                              | Category 1                  |
| Health hazards   | Serious eye damage/eye irritation               | Category 2A                 |
|                  | Sensitization, skin                             | Category 1                  |
|                  | Specific target organ toxicity, single exposure | Category 3 narcotic effects |
|                  | Aspiration hazard                               | Category 1                  |

### Label elements



|                          |   |
|--------------------------|---|
| Signal word              | Danger  |
| Hazard statement         | Extremely flammable aerosol. May be fatal if swallowed and enters airways. May cause an allergic skin reaction. Causes serious eye irritation. May cause drowsiness or dizziness.   |
| Precautionary statement  |   |
| Prevention               | 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. Avoid breathing gas. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear eye protection/face protection. Wear protective gloves.  |
| Response                 | 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 IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER/doctor if you feel unwell. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. |
| Storage                  | 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.  |
| Disposal                 | Dispose of contents/container in accordance with local/regional/national/international regulations.   |
| Other hazards            | Combustible.  |
| Supplemental information | None.   |

### 3. Composition/information on ingredients

#### Mixtures

| Chemical name                               | Common name and synonyms | CAS number | %       |
|---|--------------------------|------------|---------|
| Distillates (petroleum), Hydrotreated Light |                          | 64742-47-8 | 30 - 60 |
| Acetone                                     |                          | 67-64-1    | 10 - 30 |
| Propane                                     |                          | 74-98-6    | 10 - 30 |
| Methyl Acetate                              |                          | 79-20-9    | 7 - 13  |
| Citral                                      |                          | 5392-40-5  | 0.1 - 1 |
| Naphtha (petroleum), Heavy Alkylate         |                          | 64741-65-7 | 0.1 - 1 |
| Orange Terpenes                             |                          | 68647-72-3 | 0.1 - 1 |
| Other components below reportable levels    |                          |            | 15 - 40 |

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 immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.   |
| <b>Eye contact</b>  | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 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. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause an allergic skin reaction. Dermatitis. Rash. |
| <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>  | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.  |

### 5. Fire-fighting measures

|  |   |
|--|---|
| <b>Suitable extinguishing media</b>                                  | Alcohol resistant foam. Powder. Dry chemicals. Carbon dioxide (CO2).  |
| <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. Cool containers exposed to heat with water spray and remove container, if no risk is involved. 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. Combustible.   |

### 6. Accidental release measures

|  |  |
|--|--|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing 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. Use water spray to reduce vapors or divert vapor cloud drift. 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. Cover with plastic sheet to prevent spreading. 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 discharge into drains, water courses or onto the ground.

**7. Handling and storage****Precautions for safe handling**

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. Avoid breathing gas. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated contact with skin. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. 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                   | Type | Value   | Form                          |
|------------------------------|------|---------|-------------------------------|
| Acetone (CAS 67-64-1)        | STEL | 500 ppm | Inhalable fraction and vapor. |
|                              | TWA  | 250 ppm |                               |
| Citral (CAS 5392-40-5)       | TWA  | 5 ppm   |                               |
| Methyl Acetate (CAS 79-20-9) | STEL | 250 ppm |                               |
|                              | TWA  | 200 ppm |                               |

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

| Components                   | Type | Value      |
|------------------------------|------|------------|
| Acetone (CAS 67-64-1)        | STEL | 1800 mg/m3 |
|                              |      | 750 ppm    |
|                              | TWA  | 1200 mg/m3 |
| Methyl Acetate (CAS 79-20-9) | STEL | 500 ppm    |
|                              |      | 757 mg/m3  |
|                              | TWA  | 250 ppm    |
| Propane (CAS 74-98-6)        | TWA  | 606 mg/m3  |
|                              |      | 200 ppm    |
|                              |      | 1000 ppm   |

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

| Components   | Type | Value     | Form         |
|--|------|-----------|--------------|
| Acetone (CAS 67-64-1)  | STEL | 500 ppm   | Non-aerosol. |
|  | TWA  | 250 ppm   |              |
| Distillates (petroleum), Hydrotreated Light (CAS 64742-47-8) | TWA  | 200 mg/m3 |              |
| Methyl Acetate (CAS 79-20-9)                                 | STEL | 250 ppm   |              |

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

| Components | Type | Value   | Form |
|------------|------|---------|------|
|            | TWA  | 200 ppm |      |

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

| Components                   | Type | Value   | Form                          |
|------------------------------|------|---------|-------------------------------|
| Acetone (CAS 67-64-1)        | STEL | 500 ppm | Inhalable fraction and vapor. |
|                              | TWA  | 250 ppm |                               |
| Citral (CAS 5392-40-5)       | TWA  | 5 ppm   |                               |
| Methyl Acetate (CAS 79-20-9) | STEL | 250 ppm |                               |
|                              | TWA  | 200 ppm |                               |

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

| Components                   | Type | Value   |
|------------------------------|------|---------|
| Acetone (CAS 67-64-1)        | STEL | 750 ppm |
|                              | TWA  | 500 ppm |
| Methyl Acetate (CAS 79-20-9) | STEL | 250 ppm |
|                              | TWA  | 200 ppm |

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

| Components                   | Type | Value      |
|------------------------------|------|------------|
| Acetone (CAS 67-64-1)        | STEL | 2380 mg/m3 |
|                              |      | 1000 ppm   |
|                              | TWA  | 1190 mg/m3 |
|                              |      | 500 ppm    |
| Methyl Acetate (CAS 79-20-9) | STEL | 757 mg/m3  |
|                              |      | 250 ppm    |
|                              | TWA  | 606 mg/m3  |
|                              |      | 200 ppm    |
| Propane (CAS 74-98-6)        | TWA  | 1800 mg/m3 |
|                              |      | 1000 ppm   |

**Biological limit values**

**ACGIH Biological Exposure Indices**

| Components            | Value   | Determinant | Specimen | Sampling Time |
|-----------------------|---------|-------------|----------|---------------|
| Acetone (CAS 67-64-1) | 25 mg/l | Acetone     | Urine    | *             |

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

**Exposure guidelines**

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

Distillates (petroleum), Hydrotreated Light (CAS 64742-47-8) Can be absorbed through the skin.

**Canada - Manitoba OELs: Skin designation**

Citral (CAS 5392-40-5) Can be absorbed through the skin.

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

Citral (CAS 5392-40-5) 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. Provide eyewash station.

**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.

|                                       |   |
|---------------------------------------|---|
| <b>Other</b>                          | Wear appropriate chemical resistant clothing.   |
| <b>Respiratory protection</b>         | If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.   |
| <b>Thermal hazards</b>                | Wear appropriate thermal protective clothing, when necessary.   |
| <b>General hygiene considerations</b> | 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. Contaminated work clothing should not be allowed out of the workplace. |

## 9. Physical and chemical properties

### Appearance

|  |  |
|--|--|
| <b>Physical state</b>                          | Gas.                                       |
| <b>Form</b>                                    | Aerosol.                                   |
| <b>Color</b>                                   | Not available.                             |
| <b>Odor</b>                                    | Not available.                             |
| <b>Odor threshold</b>                          | Not available.                             |
| <b>pH</b>                                      | Not available.                             |
| <b>Melting point/freezing point</b>            | Not available.                             |
| <b>Initial boiling point and boiling range</b> | 109.56 °F (43.09 °C) estimated             |
| <b>Flash point</b>                             | -156.0 °F (-104.4 °C) Propellant estimated |
| <b>Evaporation rate</b>                        | Not available.                             |
| <b>Flammability (solid, gas)</b>               | Not available.                             |

### Upper/lower flammability or explosive limits

|  |                                 |
|--|---------------------------------|
| <b>Flammability limit - lower (%)</b>          | 2.7 % estimated                 |
| <b>Flammability limit - upper (%)</b>          | 13.5 % estimated                |
| <b>Explosive limit - lower (%)</b>             | Not available.                  |
| <b>Explosive limit - upper (%)</b>             | Not available.                  |
| <b>Vapor pressure</b>                          | Not available.                  |
| <b>Vapor density</b>                           | Not available.                  |
| <b>Relative density</b>                        | Not available.                  |
| <b>Solubility(ies)</b>                         |                                 |
| <b>Solubility (water)</b>                      | Not available.                  |
| <b>Partition coefficient (n-octanol/water)</b> | Not available.                  |
| <b>Auto-ignition temperature</b>               | 605.29 °F (318.49 °C) estimated |
| <b>Decomposition temperature</b>               | Not available.                  |
| <b>Viscosity</b>                               | Not available.                  |
| <b>Other information</b>                       |                                 |
| <b>Explosive properties</b>                    | Not explosive.                  |
| <b>Oxidizing properties</b>                    | Not oxidizing.                  |
| <b>Specific gravity</b>                        | 0.179 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>             | Strong oxidizing agents. Nitrates.  |

**Hazardous decomposition products**

No hazardous decomposition products are known.

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

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | May cause drowsiness and dizziness. Headache. Nausea, vomiting.  |
| <b>Skin contact</b> | May cause an allergic skin reaction.   |
| <b>Eye contact</b>  | Causes serious eye 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. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause an allergic skin reaction. Dermatitis. Rash.

**Information on toxicological effects**

|                       |  |
|-----------------------|--|
| <b>Acute toxicity</b> | May be fatal if swallowed and enters airways. Narcotic effects. May cause an allergic skin reaction. |
|-----------------------|--|

| Components   | Species    | Test Results           |
|--|------------|------------------------|
| Acetone (CAS 67-64-1)  |            |                        |
| <u>Acute</u>   |            |                        |
| <b>Dermal</b>  |            |                        |
| LD50   | Guinea pig | > 7426 mg/kg, 24 Hours |
|  |            | > 9.4 ml/kg, 24 Hours  |
|  | Rabbit     | > 7426 mg/kg, 24 Hours |
|  |            | > 9.4 ml/kg, 24 Hours  |
| <b>Inhalation</b>  |            |                        |
| LC50   | Rat        | 55700 ppm, 3 Hours     |
|  |            | 132 mg/l, 3 Hours      |
|  |            | 50.1 mg/l              |
| <b>Oral</b>  |            |                        |
| LD50   | Rat        | 5800 mg/kg             |
|  |            | 2.2 ml/kg              |
| Citral (CAS 5392-40-5)                                       |            |                        |
| <u>Acute</u>   |            |                        |
| <b>Dermal</b>  |            |                        |
| LD50   | Rabbit     | 2250 mg/kg             |
|  | Rat        | > 2000 mg/kg, 24 Hours |
| <b>Oral</b>  |            |                        |
| LD50   | Mouse      | 1424 mg/kg             |
|  | Rat        | 4895 mg/kg             |
| Distillates (petroleum), Hydrotreated Light (CAS 64742-47-8) |            |                        |
| <u>Acute</u>   |            |                        |
| <b>Dermal</b>  |            |                        |
| LD50   | Rabbit     | > 2000 mg/kg           |
|  |            | > 2000 mg/kg, 24 Hours |
| <b>Inhalation</b>  |            |                        |
| LC50   | Rat        | > 7.5 mg/l, 6 Hours    |
|  |            | > 4.6 mg/l, 4 Hours    |
| <b>Oral</b>  |            |                        |
| LD50   | Rat        | > 5000 mg/kg           |

| Components                   | Species | Test Results           |
|------------------------------|---------|------------------------|
| Methyl Acetate (CAS 79-20-9) |         |                        |
| <b>Acute</b>                 |         |                        |
| <b>Dermal</b>                |         |                        |
| LD50                         | Rat     | > 2000 mg/kg, 24 Hours |
| <b>Inhalation</b>            |         |                        |
| LC100                        | Rabbit  | 98.4 mg/l, 4 Hours     |
| <b>Oral</b>                  |         |                        |
| LD50                         | Rat     | 6482 mg/kg             |
| Propane (CAS 74-98-6)        |         |                        |
| <b>Acute</b>                 |         |                        |
| <b>Inhalation</b>            |         |                        |
| LC50                         | Mouse   | 1237 mg/l, 120 Minutes |
|                              |         | 52 %, 120 Minutes      |
|                              | Rat     | 1355 mg/l              |
|                              |         | 658 mg/l/4h            |

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

|   |  |
|---|--|
| <b>Skin corrosion/irritation</b>                          | Prolonged skin contact may cause temporary irritation.   |
| <b>Serious eye damage/eye irritation</b>                  | Causes serious eye irritation.   |
| <b>Respiratory or skin sensitization</b>                  |  |
| <b>ACGIH sensitization</b>                                |  |
| Citral (CAS 5392-40-5)                                    | Dermal sensitization   |
| <b>Respiratory sensitization</b>                          | Not a respiratory sensitizer.  |
| <b>Skin sensitization</b>                                 | May cause an allergic skin reaction.   |
| <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>                                    | Risk of cancer cannot be excluded with prolonged exposure.   |
| <b>ACGIH Carcinogens</b>                                  |  |
| Acetone (CAS 67-64-1)                                     | A4 Not classifiable as a human carcinogen.   |
| Citral (CAS 5392-40-5)                                    | A4 Not classifiable as a human carcinogen.   |
| <b>Canada - Manitoba OELs: carcinogenicity</b>            |  |
| ACETONE (CAS 67-64-1)                                     | Not classifiable as a human carcinogen.  |
| CITRAL, INHALABLE FRACTION AND VAPOR (CAS 5392-40-5)      | Not classifiable as a human carcinogen.  |
| <b>Reproductive toxicity</b>                              | This product is not expected to cause reproductive or developmental effects.                                     |
| <b>Specific target organ toxicity - single exposure</b>   | May cause drowsiness and dizziness.  |
| <b>Specific target organ toxicity - repeated exposure</b> | Not classified.  |
| <b>Aspiration hazard</b>                                  | May be fatal if swallowed and enters airways.  |
| <b>Chronic effects</b>                                    | Prolonged exposure may cause chronic effects.  |

## 12. Ecological information

|                    |  |
|--------------------|--|
| <b>Ecotoxicity</b> | The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. |
|--------------------|--|

| Components            | Species | Test Results   |
|-----------------------|---------|--|
| Acetone (CAS 67-64-1) |         |  |
| <b>Aquatic</b>        |         |  |
| Crustacea             | EC50    | Water flea (Daphnia magna)                           |
|                       |         | 21.6 - 23.9 mg/l, 48 hours                           |
| Fish                  | LC50    | Rainbow trout, donaldson trout (Oncorhynchus mykiss) |
|                       |         | 4740 - 6330 mg/l, 96 hours                           |

| Components   | Species |   | Test Results             |
|--|---------|---|--------------------------|
| Citral (CAS 5392-40-5)                                       |         |   |                          |
| Aquatic  |         |   |                          |
| Algae  | IC50    | Algae   | 16 mg/L, 72 Hours        |
| Crustacea  | EC50    | Daphnia   | 7 mg/L, 48 Hours         |
| Distillates (petroleum), Hydrotreated Light (CAS 64742-47-8) |         |   |                          |
| Aquatic  |         |   |                          |
| Fish   | LC50    | Rainbow trout,donaldson trout (Oncorhynchus mykiss) | 2.9 mg/l, 96 hours       |
| Methyl Acetate (CAS 79-20-9)                                 |         |   |                          |
| Aquatic  |         |   |                          |
| Algae  | IC50    | Algae   | 120.0001 mg/L, 72 Hours  |
| Crustacea  | EC50    | Daphnia   | 1026.7 mg/L, 48 Hours    |
| Fish   | LC50    | Fathead minnow (Pimephales promelas)                | 295 - 348 mg/l, 96 hours |
| Naphtha (petroleum), Heavy Alkylate (CAS 64741-65-7)         |         |   |                          |
| Aquatic  |         |   |                          |
| Algae  | IC50    | Algae   | 30000 mg/L, 72 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)

|                |       |
|----------------|-------|
| Acetone        | -0.24 |
| Methyl Acetate | 0.18  |
| Propane        | 2.36  |

**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

|  |   |
|--|---|
| <b>Disposal instructions</b>                 | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Dispose of contents/container in accordance with local/regional/national/international regulations. |
| <b>Local disposal regulations</b>            | Dispose in accordance with all applicable regulations.  |
| <b>Hazardous waste code</b>                  | The waste code should be assigned in discussion between the user, the producer and the waste disposal company.  |
| <b>Waste from residues / unused products</b> | 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).  |
| <b>Contaminated packaging</b>                | 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.  |
| <b>Environmental hazards</b>        | D  |
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling.<br>This product meets the exemption requirements and may be shipped as a limited quantity. |

#### IATA

|                                |                     |
|--------------------------------|---------------------|
| <b>UN number</b>               | UN1950              |
| <b>UN proper shipping name</b> | Aerosols, flammable |



**Transport hazard class(es)****Class** 2.1**Subsidiary risk** -**Label(s)** 2.1**Packing group** Not applicable.**Environmental hazards** No.**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** No.**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****15. Regulatory information****Canadian regulations****Controlled Drugs and Substances Act**

Not regulated.

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

Not listed.

**Greenhouse Gases**

Not listed.

**Precursor Control Regulations**

Acetone (CAS 67-64-1)

Class B

**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)                     | No                     |
| Canada                      | Domestic Substances List (DSL)   | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | No                     |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | No                     |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | No                     |
| Korea                       | Existing Chemicals List (ECL)  | No                     |
| New Zealand                 | New Zealand Inventory  | No                     |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | No                     |
| 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.

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