

# SAFETY DATA SHEET

## 1. Identification

|                                                        |                                                                              |                |  |
|--------------------------------------------------------|------------------------------------------------------------------------------|----------------|--|
| Product identifier                                     | GLASS KLEEN                                                                  |                |  |
| Other means of identification                          |                                                                              |                |  |
| Product code                                           | 886                                                                          |                |  |
| Recommended use                                        | CLEANER                                                                      |                |  |
| Recommended restrictions                               | None known.                                                                  |                |  |
| Manufacturer/Importer/Supplier/Distributor information |                                                                              |                |  |
| Manufacturer                                           |                                                                              |                |  |
| Company name                                           | Kleen-Flo Tumbler Ind Limited                                                |                |  |
| Address                                                | 75 Advance Blvd<br>Brampton, Ontario L6T 4N1<br>Canada                       |                |  |
| Telephone                                              | General Assistance                                                           | 1-905-793-4311 |  |
| E-mail                                                 | Not available.                                                               |                |  |
| Emergency phone number                                 | 905-793-4311 (Monday to Friday 8.30am to 4.30pm EST) (English Language only) |                |  |
| Supplier                                               | Not available.                                                               |                |  |

## 2. Hazard(s) identification

|                  |                                   |            |
|------------------|-----------------------------------|------------|
| Physical hazards | Flammable aerosols                | Category 1 |
| Health hazards   | Serious eye damage/eye irritation | Category 2 |

### Label elements



|                          |                                                                                                                                                                                                                                                                    |            |  |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--|
| Signal word              | Danger                                                                                                                                                                                                                                                             |            |  |
| Hazard statement         | Extremely flammable aerosol. Causes serious eye irritation.                                                                                                                                                                                                        |            |  |
| 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. Wash thoroughly after handling. Wear eye protection/face protection. |            |  |
| Response                 | 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/attention.                                                                         |            |  |
| Storage                  | Protect from sunlight. Do not expose to temperatures exceeding 50°C/1 22°F.                                                                                                                                                                                        |            |  |
| Disposal                 | Dispose of contents/container in accordance with local/regional/national/international regulations.                                                                                                                                                                |            |  |
| Environmental hazards    | Hazardous to the aquatic environment, acute Category 3 hazard                                                                                                                                                                                                      |            |  |
|                          | Hazardous to the aquatic environment, long-term hazard                                                                                                                                                                                                             | Category 3 |  |
| Other hazards            | None known.                                                                                                                                                                                                                                                        |            |  |
| Supplemental information | None.                                                                                                                                                                                                                                                              |            |  |

## 3. Composition/information on ingredients

### Mixtures

| Chemical name     | Common name and synonyms | CAS number | %   |
|-------------------|--------------------------|------------|-----|
| Isopropyl Alcohol |                          | 67-63-0    | 1-5 |
| Isobutane         |                          | 75-28-5    | 1-5 |

| Chemical name                            | Common name and synonyms | CAS number | %      |
|------------------------------------------|--------------------------|------------|--------|
| 2-Butoxyethanol                          |                          | 111-76-2   | 1-5    |
| Propane                                  |                          | 74-98-6    | 0.1-1  |
| Ammonium Hydroxide                       |                          | 1336-21-6  | 0.1-1  |
| Other components below reportable levels |                          |            | 80-100 |

The exact concentration of the above listed chemicals are being withheld as a trade secret.

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

4. First-aid measures

|                                                                        |                                                                                                                        |
|------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Inhalation                                                             | Move to fresh air. Call a physician if symptoms develop or persist.                                                    |
| Skin contact                                                           | Wash off with soap and water. Get medical attention if irritation develops and                                         |
| Eye contact                                                            | persists. If eye irritation persists: Get medical advice/attention.                                                    |
| Ingestion                                                              | Rinse mouth. Get medical attention if symptoms occur.                                                                  |
| Most important symptoms/effects, acute and delayed                     | Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.                  |
| Indication of immediate medical attention and special treatment needed | Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed. |
| General information                                                    | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.       |

5. Fire-fighting measures

|                                                               |                                                                                                                                                                                                                                                                            |
|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media                                  | Not available.                                                                                                                                                                                                                                                             |
| Unsuitable extinguishing media                                | Do not use water jet as an extinguisher, as this will spread the fire.                                                                                                                                                                                                     |
| Specific hazards arising from the chemical                    | Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.                                                                                                                            |
| Special protective equipment and precautions for firefighters | Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.                                                                                                           |
| Fire fighting equipment/instructions                          | 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. |
| Specific methods                                              | 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.                                                       |
| General fire hazards                                          | 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 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 product from entering drains. 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. |
| Environmental precautions                                           | 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.<br>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

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 get in eyes, on skin, or on clothing. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Level 1 Aerosol.

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/1 22 °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     |
| 2-Butoxyethanol (CAS 111-76-2)                                                                                                                      | TWA  | 20 ppm    |
| Isobutane (CAS 75-28-5)                                                                                                                             | STEL | 1000 ppm  |
| Isopropyl Alcohol (CAS 67-63-0)                                                                                                                     | STEL | 400 ppm   |
|                                                                                                                                                     | TWA  | 200 ppm   |
| Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)                                                                       |      |           |
| Components                                                                                                                                          | Type | Value     |
| 2-Butoxyethanol (CAS 111-76-2)                                                                                                                      | TWA  | 97 mg/m3  |
|                                                                                                                                                     |      | 20 ppm    |
| Isopropyl Alcohol (CAS 67-63-0)                                                                                                                     | STEL | 984 mg/m3 |
|                                                                                                                                                     |      | 400 ppm   |
|                                                                                                                                                     | TWA  | 492 mg/m3 |
|                                                                                                                                                     |      | 200 ppm   |
| Propane (CAS 74-98-6)                                                                                                                               | TWA  | 1000 ppm  |
| Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) |      |           |
| Components                                                                                                                                          | Type | Value     |
| 2-Butoxyethanol (CAS 111-76-2)                                                                                                                      | TWA  | 20 ppm    |
| Isopropyl Alcohol (CAS 67-63-0)                                                                                                                     | STEL | 400 ppm   |
|                                                                                                                                                     | TWA  | 200 ppm   |
| Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)                                                                          |      |           |
| Components                                                                                                                                          | Type | Value     |
| 2-Butoxyethanol (CAS 111-76-2)                                                                                                                      | TWA  | 20 ppm    |
| Isobutane (CAS 75-28-5)                                                                                                                             | STEL | 1000 ppm  |
| Isopropyl Alcohol (CAS 67-63-0)                                                                                                                     | STEL | 400 ppm   |
|                                                                                                                                                     | TWA  | 200 ppm   |
| Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)                                                                        |      |           |
| Components                                                                                                                                          | Type | Value     |
| 2-Butoxyethanol (CAS 111-76-2)                                                                                                                      | TWA  | 20 ppm    |
| Isobutane (CAS 75-28-5)                                                                                                                             | TWA  | 800 ppm   |
| Isopropyl Alcohol (CAS 67-63-0)                                                                                                                     | STEL | 400 ppm   |

| Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)                         |      |            |
|------------------------------------------------------------------------------------------------------|------|------------|
| Components                                                                                           | Type | Value      |
|                                                                                                      | TWA  | 200 ppm    |
| Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) |      |            |
| Components                                                                                           | Type | Value      |
| 2-Butoxyethanol (CAS 111-76-2)                                                                       | TWA  | 97 mg/m3   |
| Isopropyl Alcohol (CAS 67-63-0)                                                                      | STEL | 20 ppm     |
|                                                                                                      |      | 1230 mg/m3 |
|                                                                                                      |      | 500 ppm    |
| Propane (CAS 74-98-6)                                                                                | TWA  | 983 mg/m3  |
|                                                                                                      |      | 400 ppm    |
|                                                                                                      |      | 1800 mg/m3 |
|                                                                                                      |      | 1000 ppm   |

Biological limit values

| ACGIH Biological Exposure Indices                         |          |                                          |                     |               |
|-----------------------------------------------------------|----------|------------------------------------------|---------------------|---------------|
| Components                                                | Value    | Determinant                              | Specimen            | Sampling Time |
| 2-Butoxyethanol (CAS 111-76-2)                            | 200 mg/g | Butoxyacetic acid (BAA), with hydrolysis | Creatinine in urine | *             |
| Isopropyl Alcohol (CAS 67-63-0)                           | 40 mg/l  | Acetone                                  | Urine               | *             |
| * - For sampling details, please see the source document. |          |                                          |                     |               |

**Appropriate engineering controls** Provide eyewash station.

Individual protection measures, such as personal protective equipment

|                                       |                                                                                                                                                                                                                                                |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eyeface protection</b>             | Wear safety glasses with side shields (or goggles).                                                                                                                                                                                            |
| <b>Skin protection</b>                |                                                                                                                                                                                                                                                |
| <b>Hand protection</b>                | Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.                                                                                                                                          |
| <b>Other</b>                          | Wear suitable protective 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. |

9. Physical and chemical properties

|                                                |                                          |
|------------------------------------------------|------------------------------------------|
| <b>Appearance</b>                              |                                          |
| <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> | 212 °F (100 °C) estimated                |
| <b>Flash point</b>                             | -99.4 °F (-73.0 °C) PROPELLANT estimated |
| <b>Evaporation rate</b>                        | Not available.                           |
| <b>Flammability (solid, gas)</b>               | Not available.                           |

Upper/lower flammability or explosive limits

|                                |                |
|--------------------------------|----------------|
| Flammability limit - lower (%) | Not available. |
| Flammability limit - upper (%) | Not available. |
| Explosive limit - lower (%)    | Not available. |
| Explosive limit - upper (%)    | Not available. |

|                                         |                |
|-----------------------------------------|----------------|
| Vapor pressure                          | Not available. |
| Vapor density                           | Not available. |
| Relative density                        | Not available. |
| Solubility(ies)                         |                |
| Solubility (water)                      | Not available. |
| Partition coefficient (n-octanol/water) | Not available. |
| Auto-ignition temperature               | Not available. |
| Decomposition temperature               | Not available. |
| Viscosity                               | Not available. |

Other information

|                      |                 |
|----------------------|-----------------|
| Explosive properties | Not explosive.  |
| Oxidizing properties | Not oxidizing.  |
| Specific gravity     | 0.963 estimated |

10. Stability and reactivity

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

11. Toxicological information

Information on likely routes of exposure

|                                                                              |                                                                                                                                                          |
|------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inhalation                                                                   | No adverse effects due to inhalation are expected.                                                                                                       |
| Skin contact                                                                 | 2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged. These effects have not been observed in humans. |
| Eye contact                                                                  | Causes serious eye irritation.                                                                                                                           |
| Ingestion                                                                    | Expected to be a low ingestion hazard.                                                                                                                   |
| Symptoms related to the physical, chemical and toxicological characteristics | Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.                                                    |

Information on toxicological effects

Acute toxicity

| Components                     | Species    | Test Results                                |
|--------------------------------|------------|---------------------------------------------|
| 2-Butoxyethanol (CAS 111-76-2) |            |                                             |
| Acute                          |            |                                             |
| Dermal                         |            |                                             |
| LD50                           | Guinea pig | 7.3 ml/kg, 4 Days<br>0.23 ml/kg, 24 Hours   |
|                                | Rabbit     | 435 mg/kg, 24 Hours<br>0.68 ml/kg, 24 Hours |

| Components                                                                                                                                                                                                   | Species                          | Test Results           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|------------------------|
| <div>Isobutane (CAS 75-28-5)</div> <div><div>Inhalation</div><div>LC50</div><div>Oral</div><div>LD100</div><div>LD50</div></div>                                                                             |                                  | 0.63 ml/kg             |
|                                                                                                                                                                                                              | Rat                              | > 2000 mg/kg, 24 Hours |
|                                                                                                                                                                                                              | Rabbit                           | 400 ppm, 7 Hours       |
|                                                                                                                                                                                                              | Rat                              | 450 ppm, 4 Hours       |
|                                                                                                                                                                                                              | Rabbit                           | 695 mg/kg              |
|                                                                                                                                                                                                              | Dog                              | > 695 mg/kg            |
|                                                                                                                                                                                                              | Guinea pig                       | 1414 mg/kg             |
|                                                                                                                                                                                                              | Mouse                            | 1519 mg/kg             |
|                                                                                                                                                                                                              | Rat                              | 1746 mg/kg             |
|                                                                                                                                                                                                              | Isobutane (CAS 75-28-5)<br>Acute |                        |
| <div>Isopropyl Alcohol (CAS 67-63-0)</div> <div><div>Inhalation</div><div>LC50</div><div>Acute</div><div>Dermal</div><div>LD50</div><div>Inhalation</div><div>LC50</div><div>Oral</div><div>LD50</div></div> |                                  |                        |
|                                                                                                                                                                                                              | Mouse                            | 1237 mg/l, 120 Minutes |
|                                                                                                                                                                                                              |                                  | 52 %, 120 Minutes      |
|                                                                                                                                                                                                              | Rat                              | 1355 mg/l              |
|                                                                                                                                                                                                              | Rabbit                           | 16.4 ml/kg, 24 Hours   |
|                                                                                                                                                                                                              | Rat                              | > 10000 ppm, 6 Hours   |
|                                                                                                                                                                                                              | Rat                              | 5.84 g/kg              |
|                                                                                                                                                                                                              | Propane (CAS 74-98-6)<br>Acute   |                        |
|                                                                                                                                                                                                              | 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>Canada - Alberta OELs: Irritant</b>   |                                                                                                                  |  |
| 2-Butoxyethanol (CAS 111-76-2)           | Irritant                                                                                                         |  |
| <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>                 |                                                                                                                  |  |
| 2-Butoxyethanol (CAS 111-76-2)           | A3 Confirmed animal carcinogen with unknown relevance to humans.                                                 |  |
| Isopropyl Alcohol (CAS 67-63-0)          | A4 Not classifiable as a human carcinogen.                                                                       |  |

|                                                               |                                                                                                                                                          |
|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Canada - Manitoba OELs: carcinogenicity</b>                |                                                                                                                                                          |
| 2-BUTOXYETHANOL (EGBE) (CAS 111-76-2)                         | Confirmed animal carcinogen with unknown relevance to humans.<br>Not classifiable as a human carcinogen.                                                 |
| 2-PROPANOL (CAS 67-63-0)                                      |                                                                                                                                                          |
| <b>IARC Monographs. Overall Evaluation of Carcinogenicity</b> |                                                                                                                                                          |
| 2-Butoxyethanol (CAS 111-76-2)                                | 3 Not classifiable as to carcinogenicity to humans.                                                                                                      |
| <b>Reproductive toxicity</b>                                  | This product is not expected to cause reproductive or developmental effects.                                                                             |
| <b>Specific target organ toxicity - single exposure</b>       | Not classified.                                                                                                                                          |
| <b>Specific target organ toxicity - repeated exposure</b>     | Not classified.                                                                                                                                          |
| <b>Aspiration hazard</b>                                      | Not likely, due to the form of the product.                                                                                                              |
| <b>Chronic effects</b>                                        | May be harmful if absorbed through skin.                                                                                                                 |
|                                                               | 2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged. These effects have not been observed in humans. |

12. Ecological information

| Ecotoxicity                        |      | Harmful to aquatic life with long lasting effects. |                          |
|------------------------------------|------|----------------------------------------------------|--------------------------|
| Components                         |      | Species                                            | Test Results             |
| 2-Butoxyethanol (CAS 111-76-2)     |      |                                                    |                          |
| Aquatic                            |      |                                                    |                          |
| Fish                               | LC50 | Inland silverside (Menidia beryllina)              | 1250 mg/l, 96 hours      |
| Ammonium Hydroxide (CAS 1336-21-6) |      |                                                    |                          |
| Aquatic                            |      |                                                    |                          |
| Crustacea                          | EC50 | Daphnia                                            | 0.66 mg/L, 48 Hours      |
| Fish                               | LC50 | Western mosquitofish (Gambusia affinis)            | 15 mg/l, 96 hours        |
| Isopropyl Alcohol (CAS 67-63-0)    |      |                                                    |                          |
| Aquatic                            |      |                                                    |                          |
| 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    |

|                                                                              |                                                            |
|------------------------------------------------------------------------------|------------------------------------------------------------|
| * Estimates for product may be based on additional component data not shown. |                                                            |
| <b>Persistence and degradability</b>                                         | No data is available on the degradability of this product. |
| <b>Bioaccumulative potential</b>                                             |                                                            |
| <b>Partition coefficient n-octanol / water (log Kow)</b>                     |                                                            |
| 2-Butoxyethanol                                                              | 0.83                                                       |
| Isobutane                                                                    | 2.76                                                       |
| Isopropyl Alcohol                                                            | 0.05                                                       |
| Propane                                                                      | 2.36                                                       |

|                              |                                                                                                                                                                                         |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Mobility in soil</b>      | No data available.                                                                                                                                                                      |
| <b>Other adverse effects</b> | 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. 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. |
| <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).                                                                                                                                                                                        |

14. Transport information

TDG

UN number UN1950  
UN proper shipping name AEROSOLS, flammable  
Transport hazard class(es)  
Class 2.1  
Subsidiary risk -  
Packing group Not applicable.  
Environmental hazards D  
Special precautions for user Not available.  
This product is exempted under TDG section 1.17 as a limited quantity and may be shipped as a limited quantity.

15. Regulatory information

Canadian regulations

Controlled Drugs and Substances Act  
Not regulated.

Not listed.

Not listed.

Not regulated.

## Stockholm Convention

## Rotterdam Convention

## Kyoto protocol

## Montreal Protocol

## Basel Convention

Not applicable.

## 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)             | 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 (EN CS)              | No  |
| Korea                       | Existing Chemicals List (ECL)                                          | No  |
| 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).

**Issue date**

11-20-2015

### Revision date

23/11/2023

**Version #**

04

**Guidelines for SDS use:** The product described in this SDS is a consumer product. It is safe for use by consumers as described on the product label under normal, foreseeable conditions. This SDS is designed to provide additional valuable safety and handling information.

## 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.