# Sprayway<sub>®</sub>

## SAFETY DATA SHEET

## 1. Identification

| 1. Identification                 |   |
|-----------------------------------|---|
| Product number                    | 100000640   |
| Product identifier                | AMMONIATED GLASS CLEANER  |
| Company information               | Sprayway, Inc.<br>1005 S. Westgate Drive<br>Addison, IL 60101 United States |
| Company phone                     | General Assistance 1-630-628-3000   |
| Emergency telephone US            | 1-866-836-8855  |
| Emergency telephone outside<br>US | 1-952-852-4646  |
| Version #                         | 01  |
| Recommended use                   | Cleaner   |
| Recommended restrictions          | None known.   |
| 2. Hazard(s) identification       |   |
| Physical hazards                  | Flammable aerosols  |

## Physical hazards Health hazards **Environmental hazards OSHA** defined hazards

Label elements



Not classified.

Not classified.

Not classified.

Category 1

|  | $\mathbf{v}$  |
|--|---|
| Signal word                                  | Danger  |
| Hazard statement                             | Extremely flammable aerosol.  |
| Precautionary statement                      |   |
| Prevention                                   | Keep away from heat/sparks/open flames/hot surfaces No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use.   |
| Response                                     | Wash hands after handling.  |
| Storage                                      | Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.  |
| Disposal                                     | Dispose of waste and residues in accordance with local authority requirements.  |
| Hazard(s) not otherwise<br>classified (HNOC) | Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion. |
| Supplemental information                     | None.   |

## 3. Composition/information on ingredients

#### **Mixtures**

| Chemical name                            | Common name and synonyms | CAS number | %        |
|--|--------------------------|------------|----------|
| 2-Butoxyethanol                          |                          | 111-76-2   | 2.5 - 10 |
| Butane                                   |                          | 106-97-8   | 2.5 - 10 |
| Propane                                  |                          | 74-98-6    | 1 - 2.5  |
| Sodium Nitrite                           |                          | 7632-00-0  | 0.1 - 1  |
| Other components below reportable levels |                          |            | 90 - 100 |

Other components below reportable levels

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

## 4. First-aid measures

#### Inhalation

Move to fresh air. Call a physician if symptoms develop or persist.

| Skin contact   | Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation develops and persists.  |
|--|---|
| Eye contact  | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.   |
| Ingestion  | In the unlikely event of swallowing contact a physician or poison control center. Rinse mouth.  |
| Most important<br>symptoms/effects, acute and<br>delayed                     | Direct contact with eyes may cause temporary irritation.  |
| Indication of immediate<br>medical attention and special<br>treatment needed | Provide general supportive measures and treat symptomatically.  |
| 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   | Water fog. Foam. Carbon dioxide (CO2). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.   |
| 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. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. This liquid may accumulate static electricity when filling properly grounded containers. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on surface of water. During fire, gases hazardous to health may be formed.   |
| Special protective equipment<br>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<br>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<br>containers from fire area if you can do so without risk. In the event of fire and/or explosion do not<br>breathe fumes.  |
| General fire hazards   | Extremely flammable aerosol.  |
| 6. Accidental release meas   | sures   |
| Personal precautions,<br>protective equipment and<br>emergency procedures    | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). 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. Use appropriate containment to avoid environmental contamination. Transfer by mechanical means such as vacuum truck to a salvage tank or other suitable container for recovery or safe disposal. 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. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. 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. Use appropriate containment to avoid environmental contamination.

#### 7. Handling and storage

| Precautions for safe handling                                   | <ul> <li>Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Handling operations that can promote accumulation of static charges include but are not limited to: mixing, filtering, pumping at high flow rates, splash filling, creating mists or sprays, tank and container filling, tank cleaning, sampling, gauging, switch loading, vacuum truck operations. 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. Use non-sparking tools and explosion-proof equipment. Do not re-use empty containers. Do not get in eyes, on skin, or on clothing. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.</li> <li>For additional information on equipment bonding and grounding, refer to the Canadian Electrical Code in Canada, (CSA C22.1), or the American Petroleum Institute (API) Recommended Practice 2003, "Protection Against Ignitions Arising out of Static, Lightning, and Stray Currents" or National Fire Protection Association (NFPA) 77, "Recommended Practice on Static Electricity" or National Fire Protection Association (NFPA) 70, "National Electrical Code".</li> </ul> |
|---|--|
| Conditions for safe storage,<br>including any incompatibilities | Level 1 Aerosol.   |
|   | 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. Avoid spark promoters. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Store in a well-ventilated   |

place. Refrigeration recommended. Store away from incompatible materials (see Section 10 of the

8. Exposure controls/personal protection

#### **Occupational exposure limits**

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

SDS).

| Components                        | Тур                    | e  | Val                 | ue            |  |
|-----------------------------------|------------------------|--|---------------------|---------------|--|
| 2-Butoxyethanol (CAS<br>111-76-2) | PEL                    |  | 240                 | ) mg/m3       |  |
| ·                                 |                        |  | 50                  | ppm           |  |
| Propane (CAS 74-98-6)             | PEL                    |  | 180                 | 00 mg/m3      |  |
|                                   |                        |  | 100                 | 00 ppm        |  |
| US. ACGIH Threshold L             | imit Values            |  |                     |               |  |
| Components                        | Тур                    | e  | Val                 | ue            |  |
| 2-Butoxyethanol (CAS<br>111-76-2) | TW                     | Ą  | 20                  | ppm           |  |
| Butane (CAS 106-97-8)             | STE                    | L  | 100                 | 00 ppm        |  |
| US. NIOSH: Pocket Guid            | le to Chemical Hazards |  |                     |               |  |
| Components                        | Тур                    | e  | Val                 | ue            |  |
| 2-Butoxyethanol (CAS<br>111-76-2) | TW                     | Ą  | 24                  | mg/m3         |  |
|                                   |                        |  | 5 p                 | pm            |  |
| Butane (CAS 106-97-8)             | TW                     | Ą  | 190                 | 00 mg/m3      |  |
|                                   |                        |  | 800                 | ) ppm         |  |
| Propane (CAS 74-98-6)             | TW                     | 4  |                     | 00 mg/m3      |  |
|                                   |                        |  | 100                 | 10 ppm        |  |
| ogical limit values               |                        |  |                     |               |  |
| ACGIH Biological Expos            | sure Indices           |  |                     |               |  |
| Components                        | Value                  | Determinant                                    | Specimen            | Sampling Time |  |
| 2-Butoxyethanol (CAS<br>111-76-2) | 200 mg/g               | Butoxyacetic<br>acid (BAA),<br>with hydrolysis | Creatinine in urine | *             |  |

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

| Exposure guidelines                    |  |   |  |  |
|--|--|---|--|--|
| US - California OELs: Skin designation |  |   |  |  |
| 2-Butoxyethanol (CAS 11                | ,  | Can be absorbed through the skin.   |  |  |
| US - Minnesota Haz Subs: S             | kin designation applies  |   |  |  |
| 2-Butoxyethanol (CAS 11                | ,  | Skin designation applies.   |  |  |
| US - Tennesse OELs: Skin d             | esignation   |   |  |  |
| 2-Butoxyethanol (CAS 11                |  | Can be absorbed through the skin.   |  |  |
| US NIOSH Pocket Guide to C             | Chemical Hazards: Skin desigr  | nation  |  |  |
| 2-Butoxyethanol (CAS 11                |  | Can be absorbed through the skin.   |  |  |
| US. OSHA Table Z-1 Limits f            | or Air Contaminants (29 CFR <sup>2</sup>   | 1910.1000)  |  |  |
| 2-Butoxyethanol (CAS 11                | 1-76-2)  | Can be absorbed through the skin.   |  |  |
| Appropriate engineering controls       | Explosion-proof general and local exhaust ventilation. 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. |   |  |  |
| Individual protection measures,        |  |   |  |  |
| Eye/face protection                    | Wear safety glasses with side shields (or goggles).  |   |  |  |
| Hand protection                        | Wear appropriate chemical resistant gloves.  |   |  |  |
| Skin protection                        |  |   |  |  |
| Other                                  | Wear appropriate chemical resistant clothing.  |   |  |  |
| 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<br>considerations      |  | vays observe good personal hygiene measures, such as washing<br>before eating, drinking, and/or smoking. Routinely wash work<br>ent to remove contaminants. |  |  |

## 9. Physical and chemical properties

| Appearance                              |  |
|---|--|
| Physical state                          | Gas.                                       |
| Form                                    | Aerosol.                                   |
| Color                                   | Not available.                             |
| Odor                                    | Not available.                             |
| Odor threshold                          | Not available.                             |
| рН                                      | Not available.                             |
| Melting point/freezing point            | Not available.                             |
| Initial boiling point and boiling range | 199.26 °F (92.92 °C) estimated             |
| Flash point                             | -156.0 °F (-104.4 °C) Propellant estimated |
| Evaporation rate                        | Not available.                             |
| Flammability (solid, gas)               | Not available.                             |
| Upper/lower flammability or exp         | losive limits                              |
| Flammability limit - lower<br>(%)       | Not available.                             |
| Flammability limit - upper<br>(%)       | Not available.                             |
| Explosive limit - lower (%)             | Not available.                             |
| Explosive limit - upper (%)             | Not available.                             |
| Vapor pressure                          | 50 - 70 psig @20C estimated                |
| Vapor density                           | Not available.                             |
| Relative density                        | Not available.                             |
| Solubility(ies)                         |  |
| Solubility (water)                      | Not available.                             |

| Partition coefficient<br>(n-octanol/water) | Not available. |
|--|----------------|
| Auto-ignition temperature                  | Not available. |
| Decomposition temperature                  | Not available. |
| Viscosity                                  | Not available. |
| Other information                          |                |
| Specific gravity                           | 0.97 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<br>reactions                          | No dangerous reaction known under conditions of normal use. Hazardous polymerization does not occur.   |  |
| Conditions to avoid  | Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials. Fire or intense heat may cause violent rupture of packages. |  |
| Incompatible materials   | Strong oxidizing agents.   |  |
| Hazardous decomposition products                               | No hazardous decomposition products are known.   |  |

## 11. Toxicological information

#### Information on likely routes of exposure

| Ingestion  | Expected to be a low ingestion hazard.   |  |
|--|--|--|
| Inhalation   | Prolonged inhalation may be harmful.   |  |
| 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  | Direct contact with eyes may cause temporary irritation.   |  |
| Symptoms related to the physical, chemical and toxicological characteristics | Direct contact with eyes may cause temporary irritation.   |  |

#### Information on toxicological effects

| Acute  | toxicity |
|--------|----------|
| Addito | COALOILY |

Expected to be a low hazard for usual industrial or commercial handling by trained personnel.

| Product                    | Species            | Test Results           |
|----------------------------|--------------------|------------------------|
| AMMONIATED GLASS CLE       | ANER (CAS Mixture) |                        |
| Acute                      |                    |                        |
| Inhalation                 |                    |                        |
| LC50                       | Rat                | 1594 mg/l/4h           |
| Components                 | Species            | Test Results           |
| 2-Butoxyethanol (CAS 111-7 | 76-2)              |                        |
| Acute                      |                    |                        |
| Dermal                     |                    |                        |
| LD50                       | Guinea pig         | 230 ml/kg, 24 Hours    |
|                            |                    | 7.3 ml/kg, 4 Days      |
|                            | Rabbit             | 450 ml/kg, 24 Hours    |
|                            |                    | 435 mg/kg, 24 Hours    |
|                            |                    | 0.63 ml/kg             |
|                            | Rat                | > 2000 mg/kg, 24 Hours |
| Inhalation                 |                    |                        |
| LC50                       | Rabbit             | 400 ppm, 7 Hours       |
|                            | Rat                | 450 ppm, 4 Hours       |
| Oral                       |                    | •••                    |
| LD100                      | Rabbit             | 695 mg/kg              |

| Components  | Species  | Test Results  |  |
|---|--|---|--|
| LD50  | Dog  | > 695 mg/kg   |  |
|   | Guinea pig   | 1200 mg/kg  |  |
|   | Rat  | 530 - 2800 mg/kg  |  |
| Butane (CAS 106-97-8)                                 |  |   |  |
| Acute   |  |   |  |
| Inhalation  |  |   |  |
| LC50  | Mouse  | 1237 mg/l, 120 Minutes  |  |
|   |  | 52 %, 120 Minutes   |  |
|   | Rat  | 1355 mg/l   |  |
| Propane (CAS 74-98-6)                                 |  |   |  |
| Acute   |  |   |  |
| Inhalation  |  |   |  |
| LC50  | Mouse  | 1237 mg/l, 120 Minutes  |  |
|   |  | 52 %, 120 Minutes   |  |
|   | Rat  | 1355 mg/l   |  |
|   |  | 658 mg/l/4h   |  |
| Sodium Nitrite (CAS 7632-00-0)                        |  |   |  |
| Acute   |  |   |  |
| Inhalation  |  |   |  |
| LC50  | Rat  | 5.5 mg/kg, 4 hours supplier                                     |  |
| Oral  |  |   |  |
| LD50  | Rat  | 88 mg/kg supplier   |  |
| * Estimates for product may b                         | e based on additional component dat  | a not shown   |  |
| Skin corrosion/irritation                             | Prolonged skin contact may cause   |   |  |
| Serious eye damage/eye                                | Direct contact with eyes may cause   |   |  |
| irritation  |  |   |  |
| Respiratory or skin sensitization                     | n  |   |  |
| Respiratory sensitization                             | Not a respiratory sensitizer.  |   |  |
| Skin sensitization                                    | This product is not expected to cau  | se skin sensitization.  |  |
| Germ cell mutagenicity                                | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.   |   |  |
| Carcinogenicity                                       | This product is not considered to be   | e a carcinogen by IARC, ACGIH, NTP, or OSHA.                    |  |
| IARC Monographs. Overall                              | Evaluation of Carcinogenicity  |   |  |
| 2-Butoxyethanol (CAS 11<br>OSHA Specifically Regulate | 1-76-2) 3 N<br>d Substances (29 CFR 1910.1001-1  | ot classifiable as to carcinogenicity to humans.<br><b>050)</b> |  |
| Not listed.   |  |   |  |
| Reproductive toxicity                                 | This product is not expected to cau  | se reproductive or developmental effects.                       |  |
| Specific target organ toxicity -<br>single exposure   | Not classified.  |   |  |
| Specific target organ toxicity -<br>repeated exposure | Not classified.  |   |  |
| Aspiration hazard                                     | Not an aspiration hazard.  |   |  |
| Chronic effects                                       | Prolonged inhalation may be harmful. 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 informatior                            | 1  |   |  |
| Ecotoxicity   |  | ironmentally hazardous. However, this does not exclude the      |  |

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.

| Product   |                     | Species  | Test Results                 |  |
|---|---------------------|--|------------------------------|--|
| AMMONIATED GLASS CLE                                  | ANER (CAS M         | ixture)  |                              |  |
| Aquatic   |                     |  |                              |  |
| Crustacea   | EC50                | Daphnia  | 43620 mg/L, 48 Hours         |  |
| Fish  | LC50                | Fish   | 1937 mg/L, 96 Hours          |  |
| Components  |                     | Species  | Test Results                 |  |
| 2-Butoxyethanol (CAS 111-7                            | 6-2)                |  |                              |  |
| Aquatic   |                     |  |                              |  |
| Fish  | LC50                | Inland silverside (Menidia beryllina)  | 1250 mg/l, 96 hours          |  |
| Sodium Nitrite (CAS 7632-00                           | )-0)                |  |                              |  |
| Aquatic   |                     |  |                              |  |
| Crustacea   | EC50                | Greasyback shrimp (Metapenaeus<br>ensis)   | 16.14 - 26.61 mg/l, 48 hours |  |
| Fish  | LC50                | Rainbow trout,donaldson trout (Oncorhynchus mykiss)  | 0.15 - 0.25 mg/l, 96 hours   |  |
| * Estimates for product may I                         | be based on ac      | lditional component data not shown.  |                              |  |
| ersistence and degradability                          |                     | vailable on the degradability of this produc   | t.                           |  |
| oaccumulative potential                               | No data ava         |  |                              |  |
| Partition coefficient n-octa                          | nol / water (log    | g Kow)   |                              |  |
| 2-Butoxyethanol                                       |                     | 0.83   |                              |  |
| Butane  |                     | 2.89<br>2.36   |                              |  |
| Propane<br>obility in soil                            | No data ava         |  |                              |  |
| her adverse effects                                   |                     | No data available.   |                              |  |
| iller auverse effects                                 |                     | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.  |                              |  |
| 3. Disposal consideratio                              | ons                 |  |                              |  |
| sposal instructions                                   | under press         | reclaim or dispose in sealed containers at l<br>ure. Do not puncture, incinerate or crush. I<br>gional/national/international regulations.   |                              |  |
| ocal disposal regulations                             | Dispose in a        | Dispose in accordance with all applicable regulations.   |                              |  |
| azardous waste code                                   |                     | The waste code should be assigned in discussion between the user, the producer and the waste disposal company.   |                              |  |
| aste from residues / unused<br>oducts                 |                     | n accordance with local regulations. Empty<br>dues. This material and its container must<br>structions).   |                              |  |
| ontaminated packaging                                 | Since empti         | Empty containers should be taken to an approved waste handling site for recycling or disposal.<br>Since emptied containers may retain product residue, follow label warnings even after container is<br>emptied. Do not re-use empty containers. |                              |  |
| 4. Transport information                              | 1                   |  |                              |  |
| т   |                     |  |                              |  |
| UN number   | UN1950              |  |                              |  |
| UN proper shipping name<br>Transport hazard class(es) |                     | ammable, (each not exceeding 1 L capacity  | ()                           |  |
| Class   | 2.1                 |  |                              |  |
| Subsidiary risk                                       | -<br>2.1            |  |                              |  |
| Label(s)<br>Packing group                             | 2.1<br>Not applicat | ble  |                              |  |
|   |                     | instructions, SDS and emergency procedu  | ires before handling.        |  |
| Special provisions                                    | N82                 | , , <b>p</b> = 00000   | - <b>J</b>                   |  |
| Packaging exceptions                                  | 306                 |  |                              |  |
| Packaging non bulk                                    | None                |  |                              |  |
| Packaging bulk  | None                |  |                              |  |

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

#### ΙΑΤΑ

| 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          | No.   |
| ERG Code                       | 10L   |
| Special precautions for user   | Read safety instructions, SDS and emergency procedures before handling. |
| Other information              |   |
| Passenger and cargo            | Allowed.  |
| aircraft                       |   |
| Cargo aircraft only            | Allowed.  |
| Packaging Exceptions           | LTD QTY   |
| 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. |
| Packaging Exceptions           | LTD QTY   |
| Transport in bulk according to | Not applicable.   |
| Annex II of MARPOL 73/78 and   |   |
| the IBC Code                   |   |
| DOT                            |   |
|                                |   |
|                                |   |



## 15. Regulatory information

| 15. Regulatory informa   |                    |  |                                |  |  |
|--|--------------------|--|--------------------------------|--|--|
| US federal regulations   | Standard, 2        | 9 CFR 1910.120                                     |                                | d by the OSHA Hazard<br>ory List.              | Communication                                  |
| TSCA Section 12(b) Exp   | ort Notification ( | 40 CFR 707, Su                                     | ıbpt. D)                       |  |  |
| Not regulated.   |                    |  |                                |  |  |
| CERCLA Hazardous Sul   | bstance List (40   | CFR 302.4)   |                                |  |  |
| Sodium Nitrite (CAS  |                    |  | Listed.                        |  |  |
| SARA 304 Emergency re  | elease notificatio | on   |                                |  |  |
| Not regulated.<br>OSHA Specifically Regu<br>Not listed.  | lated Substance    | s (29 CFR 1910                                     | .1001-1050)                    |  |  |
| Superfund Amendments and   | d Reauthorizatio   | n Act of 1986 (S                                   |                                |  |  |
| Hazard categories  |                    | Hazard - No<br>Izard - No<br>I - Yes<br>azard - No |                                |  |  |
| SARA 302 Extremely ha  | zardous substar    | ice  |                                |  |  |
| Chemical name  | CAS number         | Reportable<br>quantity                             | Threshold<br>planning quantity | Threshold<br>planning quantity,<br>lower value | Threshold<br>planning quantity,<br>upper value |
| Anhydrous Ammonia  | 7664-41-7          | 100  | 500 lbs                        |  |  |
| SARA 311/312 Hazardou<br>chemical  | <b>is</b> No       |  |                                |  |  |
| SARA 313 (TRI reporting  | g)                 |  |                                |  |  |
| Chemical name  |                    |  | CAS number                     | % by wt.                                       |  |
| Sodium Nitrite   |                    |  | 7632-00-0                      | 0.1 - 1  |  |
| Other federal regulations  |                    |  |                                |  |  |
| Clean Air Act (CAA) Sec  | tion 112 Hazardo   | ous Air Pollutai                                   | nts (HAPs) List                |  |  |
| Not regulated.<br>Clean Air Act (CAA) Sec  | tion 112(r) Accio  | lental Release I                                   | Prevention (40 CFR 6           | 8.130)   |  |
| Butane (CAS 106-97<br>Propane (CAS 74-98   |                    |  |                                |  |  |
| Safe Drinking Water Act<br>(SDWA)  | Not regulate       | ed.  |                                |  |  |
| US state regulations   | WARNING:           | This product co                                    | ontains a chemical know        | wn to the State of Califo                      | rnia to cause cancer.                          |
| US. Massachusetts  | RTK - Substance    | e List   |                                |  |  |
| Butane (CAS 106-97-8)<br>Propane (CAS 74-98-6)<br>Sodium Nitrite (CAS 7632-00-0)<br>US. New Jersey Worker and Community Right-to-Know Act<br>2-Butoxyethanol (CAS 111-76-2)<br>Butane (CAS 106-97-8)<br>Propane (CAS 74-98-6)<br>Sodium Nitrite (CAS 7632-00-0)<br>US. Pennsylvania Worker and Community Right-to-Know Law<br>2-Butoxyethanol (CAS 111-76-2)<br>Butane (CAS 106-97-8)<br>Propane (CAS 74-98-6)<br>Sodium Nitrite (CAS 7632-00-0)<br>US. Rhode Island RTK |                    |  |                                |  |  |
| Butane (CAS 10<br>Propane (CAS 7<br>Sodium Nitrite (C  | 4-98-6)            |  |                                |  |  |

#### **US. California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

#### **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<br>Substances (EINECS) | Yes                    |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                    | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)                  | Yes                    |
| 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, including date of preparation or last revision

| Issue date | 05-30-2015   |
|------------|--|
| Version #  | 01   |
| Disclaimer | 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. 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. |