



SAFETY DATA SHEET

1. Identification

Product number 1000010617
Product identifier **Foaming Rug & Upholstery Cleaner**
Company information Sprayway, Inc.
1005 S. Westgate Drive
Addison, IL 60101 United States
Company phone General Assistance 1-630-628-3000
Emergency telephone US 1-866-836-8855
Emergency telephone outside US 1-952-852-4646
Version # 01
Supersedes date 05-24-2015
Recommended use Cleaner
Recommended restrictions None known.

2. Hazard(s) identification

Physical hazards Flammable aerosols Category 1
Health hazards Skin corrosion/irritation Category 2
Serious eye damage/eye irritation Category 2A
Environmental hazards Not classified.
OSHA defined hazards Not classified.

Label elements



Signal word Danger
Hazard statement Extremely flammable aerosol. Causes skin irritation. Causes serious eye irritation.
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. Wash thoroughly after handling. Wear protective gloves. Wear eye/face protection.
Response If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Specific treatment (see this label). If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
Storage Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC) None known.
Supplemental information None.

3. Composition/information on ingredients

Mixtures

| Chemical name | Common name and synonyms | CAS number | % |
|-----------------------------------|--------------------------|------------|---------|
| Butane | | 106-97-8 | 1 - 2.5 |
| Diethylene Glycol Monobutyl Ether | | 112-34-5 | 1 - 2.5 |
| Monoethanolamine | | 141-43-5 | 1 - 2.5 |

| Chemical name | Common name and synonyms | CAS number | % |
|--|--------------------------|------------|----------|
| Propane | | 74-98-6 | 1 - 2.5 |
| Anhydrous Ammonia | | 7664-41-7 | 0.1 - 1 |
| Lauryl Alcohol | | 112-53-8 | 0.1 - 1 |
| Other components below reportable levels | | | 90 - 100 |

#: This substance has workplace exposure limit(s).

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

4. First-aid measures

| | |
|---|---|
| Inhalation | If symptoms develop move victim to fresh air. Get medical attention if symptoms persist. |
| Skin contact | Take off immediately all contaminated clothing. Wash clothing separately before reuse. |
| Eye contact | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. |
| Ingestion | Rinse mouth. |
| Most important symptoms/effects, acute and delayed | Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. |
| 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 | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂). |
| 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. 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. 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. Isolate area until gas has dispersed. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS. |
| Environmental precautions | Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. |

7. Handling and storage

Precautions for safe handling

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. Avoid contact with skin, eyes and clothing. 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 prolonged exposure. 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/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

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

| Components | Type | Value |
|-----------------------------------|------|------------------------|
| Anhydrous Ammonia (CAS 7664-41-7) | PEL | 35 mg/m ³ |
| | | 50 ppm |
| Monoethanolamine (CAS 141-43-5) | PEL | 6 mg/m ³ |
| | | 3 ppm |
| Propane (CAS 74-98-6) | PEL | 1800 mg/m ³ |
| | | 1000 ppm |

US. ACGIH Threshold Limit Values

| Components | Type | Value | Form |
|-----------------------------------|------|----------|-------------------------------|
| Anhydrous Ammonia (CAS 7664-41-7) | STEL | 35 ppm | |
| | TWA | 25 ppm | |
| Butane (CAS 106-97-8) | STEL | 1000 ppm | |
| Diethylene Glycol | TWA | 10 ppm | Inhalable fraction and vapor. |
| Monobutyl Ether (CAS 112-34-5) | | | |
| Monoethanolamine (CAS 141-43-5) | STEL | 6 ppm | |
| | TWA | 3 ppm | |

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Type | Value |
|-----------------------------------|------|------------------------|
| Anhydrous Ammonia (CAS 7664-41-7) | STEL | 27 mg/m ³ |
| | | 35 ppm |
| | TWA | 18 mg/m ³ |
| | | 25 ppm |
| Butane (CAS 106-97-8) | TWA | 1900 mg/m ³ |
| | | 800 ppm |
| Monoethanolamine (CAS 141-43-5) | STEL | 15 mg/m ³ |
| | | 6 ppm |
| | TWA | 8 mg/m ³ |
| | | 3 ppm |
| Propane (CAS 74-98-6) | TWA | 1800 mg/m ³ |
| | | 1000 ppm |

Biological limit values

No biological exposure limits noted for the ingredient(s).

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. Eye wash facilities and emergency shower must be available when handling this product. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Individual protection measures, such as personal protective equipment

Eye/face protection Face shield is recommended. Wear safety glasses with side shields (or goggles).

Hand protection For prolonged or repeated skin contact use suitable protective gloves.

Skin protection

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

Skin protection

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

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

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

9. Physical and chemical properties

Appearance

Physical state Gas.

Form Aerosol.

Color Colorless.

Odor Pleasant.

Odor threshold Not available.

pH 10.3 - 11.3 estimated

Melting point/freezing point Not available.

Initial boiling point and boiling range 212 °F (100 °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 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

Specific gravity 0.973 estimated 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 | 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. 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 Causes skin irritation.

Prolonged or repeated exposure may cause liver and kidney damage. These effects have not been observed in humans.

Eye contact Causes serious eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

Information on toxicological effects

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

| Product | Species | Test Results |
|--|----------------|---------------------|
| Foaming Rug & Upholstery Cleaner (CAS Mixture) | | |
| Acute | | |
| <i>Dermal</i> | | |
| LD50 | Rat | 59153 mg/kg |
| <i>Inhalation</i> | | |
| LC50 | Rat | 262 mg/l/4h |
| <i>Oral</i> | | |
| LD50 | Rat | |
| Components | Species | Test Results |

Anhydrous Ammonia (CAS 7664-41-7)

Acute

Inhalation

| | | |
|------|-------|--|
| LC50 | Mouse | 4230 ppm, 1f <1L: Consumer Commodity Hours |
| | Rat | 7939 mg/m3 |
| | | 4000 ppm, 1f <1L: Consumer Commodity Hours |

Oral

| | | |
|------|-----|-----------|
| LD50 | Rat | 350 mg/kg |
|------|-----|-----------|

Butane (CAS 106-97-8)

Acute

Inhalation

| | | |
|------|-------|------------------------|
| LC50 | Mouse | 1237 mg/l, 120 Minutes |
| | | 52 %, 120 Minutes |
| | Rat | 1355 mg/l |

| Components | Species | Test Results |
|--|------------|---|
| Diethylene Glycol Monobutyl Ether (CAS 112-34-5) | | |
| Acute | | |
| <i>Dermal</i> | | |
| LD50 | Guinea pig | 2 ml/kg, 2 Days |
| | Rabbit | 2764 mg/kg, 24 Hours |
| <i>Oral</i> | | |
| LD100 | Rabbit | 4000 mg/kg |
| LD50 | Guinea pig | 2000 mg/kg |
| | Mouse | 2410 mg/kg |
| | Rabbit | 2500 - 3000 mg/kg |
| | Rat | 3306 mg/kg |
| Lauryl Alcohol (CAS 112-53-8) | | |
| Acute | | |
| <i>Dermal</i> | | |
| LD50 | Rabbit | 1500 - 2000 mg/kg, 24 Hours |
| | | 7.13 ml/kg |
| <i>Inhalation</i> | | |
| LC50 | Rat | > 71 mg/l, If <1L: Consumer Commodity Hours |
| <i>Oral</i> | | |
| LD50 | Rat | > 26530 mg/kg |
| | | 32.5 ml/kg |
| Monoethanolamine (CAS 141-43-5) | | |
| Acute | | |
| <i>Dermal</i> | | |
| LD50 | Rabbit | 2504 mg/kg, 24 Hours |
| | | 2.46 - 2.83 ml/kg, 24 Hours |
| <i>Inhalation</i> | | |
| LC50 | Rat | > 1.3 mg/l, 6 Hours |
| <i>Oral</i> | | |
| LD50 | Rat | 1089 mg/kg |
| | | 1.07 ml/kg |
| Propane (CAS 74-98-6) | | |
| Acute | | |
| <i>Inhalation</i> | | |
| LC50 | Mouse | 1237 mg/l, 120 Minutes |
| | | 52 %, 120 Minutes |
| | Rat | 1355 mg/l |
| | | 658 mg/l/4h |

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

| | |
|--|--|
| Skin corrosion/irritation | Causes skin irritation. |
| Serious eye damage/eye irritation | Causes serious eye irritation. |
| Respiratory or skin sensitization | |
| Respiratory sensitization | Not a respiratory sensitizer. |
| Skin sensitization | This product is not expected to cause 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 | Risk of cancer cannot be excluded with prolonged exposure. |

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

| | |
|---|--|
| Reproductive toxicity | This product is not expected to cause reproductive or developmental effects. |
| Specific target organ toxicity - single exposure | Not available. |
| Specific target organ toxicity - repeated exposure | Not classified. |
| Aspiration hazard | Not an aspiration hazard. Not likely, due to the form of the product. |
| Chronic effects | Prolonged inhalation may be harmful. May be harmful if absorbed through skin. Prolonged exposure may cause chronic effects. Prolonged or repeated exposure may cause liver and kidney damage. These effects have not been observed in humans. |

12. Ecological information**Ecotoxicity** Harmful to aquatic life with long lasting effects.

| Product | | Species | Test Results |
|--|------|--|----------------------------|
| Foaming Rug & Upholstery Cleaner (CAS Mixture) | | | |
| Aquatic | | | |
| Algae | IC50 | Algae | 824 mg/L, 72 Hours |
| Crustacea | EC50 | Daphnia | 3182 mg/L, 48 Hours |
| Fish | LC50 | Fish | 235 mg/L, 96 Hours |
| Components | | | |
| Species | | | |
| Test Results | | | |
| Anhydrous Ammonia (CAS 7664-41-7) | | | |
| Aquatic | | | |
| Fish | LC50 | Chinook salmon (Oncorhynchus tshawytscha) | 0.43 - 0.47 mg/l, 96 hours |
| Diethylene Glycol Monobutyl Ether (CAS 112-34-5) | | | |
| Aquatic | | | |
| Fish | LC50 | Bluegill (Lepomis macrochirus) | 1300 mg/l, 96 hours |
| Lauryl Alcohol (CAS 112-53-8) | | | |
| Aquatic | | | |
| Crustacea | EC50 | Daphnia | 320 mg/L, 48 Hours |
| Fish | LC50 | Fathead minnow (Pimephales promelas) | 1.01 mg/l, 96 hours |
| Monoethanolamine (CAS 141-43-5) | | | |
| Aquatic | | | |
| Algae | IC50 | Algae | 15 mg/L, 72 Hours |
| Crustacea | EC50 | Daphnia | 65 mg/L, 48 Hours |
| Fish | LC50 | Fish | 96 Hours |
| | | Rainbow trout, donaldson trout (Oncorhynchus mykiss) | 114 - 196 mg/l, 96 hours |

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

Persistence and degradability No data is available on the degradability of this product.**Bioaccumulative potential** No data available.**Partition coefficient n-octanol / water (log Kow)**

| | |
|-----------------------------------|-------|
| Butane | 2.89 |
| Diethylene Glycol Monobutyl Ether | 0.56 |
| Lauryl Alcohol | 5.13 |
| Monoethanolamine | -1.31 |
| Propane | 2.36 |

Mobility in soil No data available.

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

13. Disposal considerations

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

Local disposal regulations Dispose in accordance with all applicable regulations.

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

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

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

14. Transport information

DOT

UN number UN1950
UN proper shipping name Aerosols, flammable, (each not exceeding 1 L capacity)
Transport hazard class(es)
Class 2.1
Subsidiary risk -
Label(s) 2.1
Packing group Not applicable.
Special precautions for user Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.
Special provisions N82
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.

IATA

UN number UN1950
UN proper shipping name Aerosols, flammable
Transport hazard class(es)
Class 2.1
Subsidiary risk -
Label(s) 2.1
Packing group Not applicable.
Environmental hazards No.
ERG Code 10L
Special precautions for user Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.

Other information
Passenger and cargo aircraft Allowed.
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. Read safety instructions, SDS and emergency procedures before handling.
Packaging Exceptions LTD QTY
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

DOT



IATA; IMDG



15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
 All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Anhydrous Ammonia (CAS 7664-41-7) Listed.

SARA 304 Emergency release notification

Anhydrous Ammonia (CAS 7664-41-7) 100 LBS

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
 Immediate Hazard - Yes
 Delayed Hazard - No
 Fire Hazard - Yes
 Pressure Hazard - No
 Reactivity Hazard - No

SARA 302 Extremely hazardous substance

| Chemical name | CAS number | Reportable quantity | Threshold planning quantity | Threshold planning quantity, lower value | Threshold planning quantity, upper value |
|-------------------|------------|---------------------|-----------------------------|--|--|
| Anhydrous Ammonia | 7664-41-7 | 100 | 500 lbs | | |
| Formaldehyde | 50-00-0 | 100 | 500 lbs | | |

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)

| Chemical name | CAS number | % by wt. |
|-------------------|------------|------------|
| Anhydrous Ammonia | 7664-41-7 | 0.1 - 1 |
| 1,4-Dioxane | 123-91-1 | 0.01 - 0.1 |
| Acetaldehyde | 75-07-0 | 0.01 - 0.1 |
| Formaldehyde | 50-00-0 | 0.01 - 0.1 |

Other federal regulations**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Anhydrous Ammonia (CAS 7664-41-7)

Butane (CAS 106-97-8)

Propane (CAS 74-98-6)

Safe Drinking Water Act (SDWA) Not regulated.**US state regulations****US. Massachusetts RTK - Substance List**

Anhydrous Ammonia (CAS 7664-41-7)

Butane (CAS 106-97-8)

Monoethanolamine (CAS 141-43-5)

Propane (CAS 74-98-6)

US. New Jersey Worker and Community Right-to-Know Act

Anhydrous Ammonia (CAS 7664-41-7)

Butane (CAS 106-97-8)

Monoethanolamine (CAS 141-43-5)

Propane (CAS 74-98-6)

US. Pennsylvania Worker and Community Right-to-Know Law

Anhydrous Ammonia (CAS 7664-41-7)

Butane (CAS 106-97-8)

Monoethanolamine (CAS 141-43-5)

Propane (CAS 74-98-6)

US. Rhode Island RTK

Anhydrous Ammonia (CAS 7664-41-7)

Butane (CAS 106-97-8)

Propane (CAS 74-98-6)

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

1,4-Dioxane (CAS 123-91-1) Listed: January 1, 1988

Acetaldehyde (CAS 75-07-0) Listed: April 1, 1988

Diethanolamine (CAS 111-42-2) Listed: June 22, 2012

Formaldehyde (CAS 50-00-0) Listed: January 1, 1988

International Inventories

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

| Country(s) or region | Inventory name | On inventory (yes/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 05-24-2015

Version # 01

Disclaimer The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Revision Information Product and Company Identification: Alternate Trade Names
Physical and chemical properties: Appearance