SAFETY DATA SHEET

1. Identification

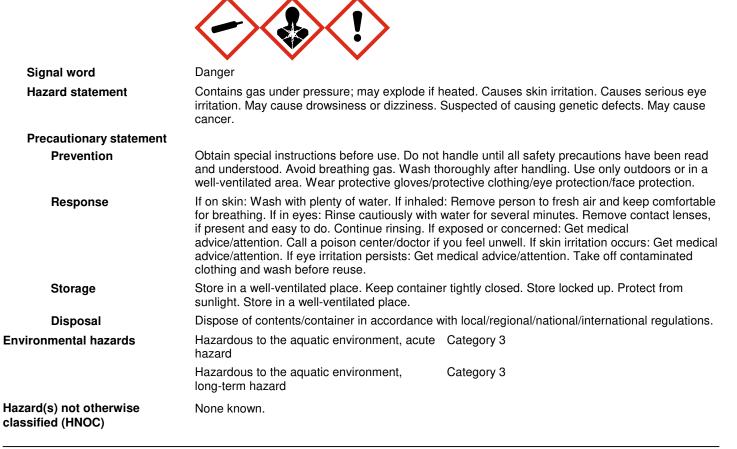
| Product number | 1000007132 |
|-----------------------------------|---|
| Product identifier | Matrix Super Solve |
| Company information | MATRIX MAINTENANCE SUPPLY LLC 3861 SYLON BLVD. Mt. Laurel, NJ 08054 United States |
| Company phone | General Assistance 609-267-5455 |
| Emergency telephone US | 1-866-836-8855 |
| Emergency telephone outside US | 1-952-852-4646 |
| Version # | 01 |
| Recommended use | CLEANER |
| Recommended restrictions | None known. |

2. Hazard(s) identification

| Physical hazards | Gases under pressure | Compressed gas |
|----------------------|---|-----------------------------|
| Health hazards | Skin corrosion/irritation | Category 2 |
| | Serious eye damage/eye irritation | Category 2A |
| | Germ cell mutagenicity | Category 2 |
| | Carcinogenicity | Category 1 |
| | Specific target organ toxicity, single exposure | Category 3 narcotic effects |
| OSHA defined hazards | Not classified. | |

OSH

Label elements



3. Composition/information on ingredients

Mixtures

| Chemical name | Common name and synonyms | CAS number | % |
|---------------------------|--------------------------|------------|----------|
| Trichloroethylene | | 79-01-6 | 90 - 100 |
| Carbon Dioxide | | 124-38-9 | 1 - 2.5 |
| 1,2-Butylene Oxide | | 106-88-7 | 0.1 - 1 |
| Other components below re | portable levels | | 0.1 - 1 |

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 | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. |
|--|---|
| Skin contact | Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing 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 | Not likely, due to the form of the product. In the unlikely event of swallowing contact a physician or poison control center. Rinse mouth. |
| Most important symptoms/effects, acute and delayed | May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe 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 | IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. |
| 5. Fire-fighting measures | |

| Suitable extinguishing media | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). Use fire-extinguishing media appropriate for surrounding materials. |
|--|---|
| Unsuitable extinguishing media | None known. |
| Specific hazards arising from the chemical | During fire, gases hazardous to health may be formed. |
| Special protective equipment and precautions for firefighters | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| Fire fighting equipment/instructions | In case of fire: Stop leak if safe to do so. Do not move cargo or vehicle if cargo has been exposed to heat. 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 | Cool containers exposed to flames with water until well after the fire is out. |
| General fire hazards | Contents under pressure. Pressurized container may explode when exposed to heat or flame. |

6. Accidental release measures

Personal precautions, Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Many gases are heavier than air and will spread along ground and collect in low or protective equipment and confined areas (sewers, basements, tanks). Wear appropriate protective equipment and clothing emergency procedures during clean-up. Avoid breathing gas. Emergency personnel need self-contained breathing equipment. 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. |
|---|--|
| | Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS. |
| Environmental precautions | Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. |
| 7. Handling and storage | |
| Precautions for safe handling | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Ground and bond containers when transferring material. Close valve after each use and when empty. Protect cylinders from physical damage; do not drag, roll, slide, or drop. When moving cylinders, even for short distances, use a cart (trolley, hand truck, etc.) designed to transport cylinders. Suck back of water into the container must be prevented. Do not allow backfeed into the container. Purge air from system before introducing gas. Use only properly specified equipment which is suitable for this product, its supply pressure and temperature. Contact your gas supplier if in doubt. Do not re-use empty containers. Avoid breathing gas. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Should be handled in closed systems, if possible. 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, | Level 1 Aerosol. |
| including any incompatibilities | Store locked up. Contents under pressure. Do not expose to heat or store at temperatures above 120°F/49°C as can may burst. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. Store in a well-ventilated place. Cylinders should be |

open flame, heat or other sources of ignition. Store in a well-ventilated place. Cylinders should be stored upright, with valve protection cap in place, and firmly secured to prevent falling or being knocked over. Stored containers should be periodically checked for general condition and leakage. 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 | Туре | Value | |
|------------------------------------|---------------|-------------|--|
| Carbon Dioxide (CAS 124-38-9) | PEL | 9000 mg/m3 | |
| , | | 5000 ppm | |
| US. OSHA Table Z-2 (29 CFR 191 | 0.1000) | | |
| Components | Туре | Value | |
| Trichloroethylene (CAS 79-01-6) | Ceiling | 200 ppm | |
| | TWA | 100 ppm | |
| US. ACGIH Threshold Limit Value | es | | |
| Components | Туре | Value | |
| Carbon Dioxide (CAS 124-38-9) | STEL | 30000 ppm | |
| , | TWA | 5000 ppm | |
| Trichloroethylene (CAS 79-01-6) | STEL | 25 ppm | |
| , | TWA | 10 ppm | |
| US. NIOSH: Pocket Guide to Che | mical Hazards | | |
| Components | Туре | Value | |
| Carbon Dioxide (CAS 124-38-9) | STEL | 54000 mg/m3 | |
| · | | 30000 ppm | |

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Ту | be | Va | alue |
|--------------------------------------|---|--|--|--|
| | TW | /A | 90 | 000 mg/m3 |
| | | | 50 | 000 ppm |
| Trichloroethylene (CAS 79-01-6) | TW | Α | 25 | ppm |
| US. Workplace Environm Components | nental Exposure Leve Typ | • • | Va | lue |
| 1,2-Butylene Oxide (CAS 106-88-7) | TW | Α | 5.9 | 9 mg/m3 |
| , | | | 2 | opm |
| ological limit values | | | | |
| ACGIH Biological Expos Components | ure Indices Value | Determinant | Specimen | Sampling Time |
| Trichloroethylene (CAS 79-01-6) | 15 mg/l | Trichloroacetic acid | Urine | * |
| | 0.5 mg/l | Trichloroethano I, without hydrolysis | Blood | * |
| * - For sampling details, pl | ease see the source do | ocument. | | |
| ppropriate engineering ntrols | should be matche or other engineer exposure limits ha | ed to conditions. If apping controls to mainta ave not been establis | olicable, use pro in airborne leve hed, maintain a | hour) should be used. Ventilation rates beess enclosures, local exhaust ventilati els below recommended exposure limits. irborne levels to an acceptable level. Ey ble when handling this product. |
| dividual protection measur | es, such as personal | protective equipme | nt | |
| Eye/face protection | Wear safety glass | ses with side shields | (or goggles). | |
| Skin protection Hand protection | Wear appropriate supplier. | chemical resistant g | oves. Suitable | gloves can be recommended by the glov |
| Other | Wear appropriate | chemical resistant cl | othing. Use of a | an impervious apron is recommended. |
| Respiratory protection | If permissible leve air-supplied respi | | NIOSH mechar | nical filter / organic vapor cartridge or an |
| Thermal hazards | Wear appropriate | thermal protective cl | othing, when ne | ecessary. |
| eneral hygiene nsiderations | personal hygiene | measures, such as w | ashing after ha | n using do not smoke. Always observe g indling the material and before eating, ng and protective equipment to remove |

9. Physical and chemical properties

| Gas. |
|--------------------------|
| Aerosol. Compressed gas. |
| lot available. |
| |
| lot available. |
| lot available. |
| lot available. |
| |

Upper/lower flammability or explosive limits

| opper/lower naminability of exp | iosive innits |
|--|-----------------------------|
| Flammability limit - upper (%) | 52 % estimated |
| Explosive limit - lower (%) | Not available. |
| Explosive limit - upper (%) | Not available. |
| Vapor pressure | 55 - 75 psig @70F estimated |
| Vapor density | Not available. |
| Relative density | Not available. |
| Solubility(ies) | |
| Solubility (water) | Not available. |
| Partition coefficient (n-octanol/water) | Not available. |
| Auto-ignition temperature | 788 °F (420 °C) estimated |
| Decomposition temperature | Not available. |
| Viscosity | Not available. |
| Other information | |
| Explosive properties | Not explosive. |
| Oxidizing properties | Not oxidizing. |
| Specific gravity | 1.454 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 | Heat. 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 | May cause drowsiness and dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful. |
|--|--|
| Skin contact | Causes skin irritation. |
| Eye contact | Causes serious eye irritation. |
| Ingestion | Expected to be a low ingestion hazard. |
| Symptoms related to the physical, chemical and toxicological characteristics | May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe 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 | Acute | toxicity | | |
|----------------|-------|----------|--|--|
|----------------|-------|----------|--|--|

In high concentrations, vapors are anesthetic and may cause headache, fatigue, dizziness and central nervous system effects. Narcotic effects.

| Components | Species | Test Results |
|-----------------------------|---------|-----------------------------|
| 1,2-Butylene Oxide (CAS 106 | 5-88-7) | |
| <u>Acute</u> | | |
| Dermal | | |
| LD50 | Rabbit | 1500 - 2950 mg/kg, 24 Hours |
| | | 1.77 ml/kg, 24 Hours |
| Inhalation | | |
| Vapor | | |
| LC50 | Rat | > 6.3 mg/l |
| | | |

| Components | Species | | Test Results |
|---|---------------|--|--|
| Oral | | | |
| LD50 | Rat | | 1 - 1.58 mg/kg |
| | | | 1100 μl/kg |
| | | | 1.3 ml/kg |
| richloroethylene (CAS 79-01-6) | | | |
| Acute | | | |
| Dermal | | | |
| LD50 | Rat | | 19031 mg/kg |
| Inhalation | | | |
| LC50 | Dog; Mou | ise; Rabbit; Rat | 8450 ppm, 4 Hours |
| | Rat | | 12500 ppm, 4 Hours |
| | | | 1044 mg/l/4h |
| Oral | | | - |
| LD50 | Dog; Mou | ise; Rat | 2900 mg/kg |
| | - | | |
| * Estimates for product may | | | nt data not shown. |
| Skin corrosion/irritation | Causes ski | | |
| Serious eye damage/eye rritation | Causes ser | ious eye irritation. | |
| Respiratory or skin sensitizatio | n | | |
| Respiratory sensitization | Not a respi | atory sensitizer. | |
| Skin sensitization | This produc | This product is not expected to cause skin sensitization. | |
| Germ cell mutagenicity | Hazardous | by WHMIS criteria | Suspected of causing genetic defects. |
| Carcinogenicity | May cause | cancer. | |
| IARC Monographs. Overall | Evaluation o | f Carcinogenicity | |
| 1,2-Butylene Oxide (CAS Trichloroethylene (CAS OSHA Specifically Regulate | 79-01-6) | s (29 CFR 1910.1) | 2B Possibly carcinogenic to humans. If <1L: Consumer Commodity Carcinogenic to humans.)01-1050) |
| Not regulated. | | | , |
| US. National Toxicology Pr | ogram (NTP) | Report on Carcin | ogens |
| Trichloroethylene (CAS | 79-01-6) | | Reasonably Anticipated to be a Human Carcinogen. |
| Reproductive toxicity | This produc | This product is not expected to cause reproductive or developmental effects. | |
| Specific target organ toxicity - single exposure | May cause | drowsiness and di | zziness. |
| Specific target organ toxicity - repeated exposure | Not classifi | ed. | |
| Aspiration hazard | Not likely, c | Not likely, due to the form of the product. | |
| Chronic effects | Prolonged | nhalation may be h | armful. Prolonged exposure may cause chronic effects. |
| 12. Ecological information | n | | |
| Ecotoxicity | Harmful to | aquatic life with lor | g lasting effects. |
| Components | | Species | Test Results |
| 1,2-Butylene Oxide (CAS 10 | 6-88-7) | | |
| Aquatic | | | |
| Algae | IC50 | Algae | 500 mg/L, 72 Hours |
| Crustacea | EC50 | Daphnia | 69.8 mg/L, 48 Hours |
| Fish | LC50 | Fish | 160, 96 Hours |
| Fish Trichloroethylene (CAS 79-0 | | Fish | 160, 96 Hours |

| Components | Species | Test Results |
|--|--|--|
| | Flagfish (Jordanella floridae) | 3.1 mg/l, 96 hours |
| * Estimates for product may be | e based on additional component data not shown. | |
| Persistence and degradability | No data is available on the degradability of this produc | ot. |
| Bioaccumulative potential | | |
| Partition coefficient n-octan Trichloroethylene | ol / water (log Kow) 2.61 | |
| Mobility in soil | No data available. | |
| Other adverse effects | No other adverse environmental effects (e.g. ozone de potential, endocrine disruption, global warming potent | • • |
| 13. Disposal consideration | IS | |
| Disposal instructions | Collect and reclaim or dispose in sealed containers at under pressure. Do not puncture, incinerate or crush. sewers/water supplies. Do not contaminate ponds, wa container. Dispose of contents/container in accordance regulations. | Do not allow this material to drain into terways or ditches with chemical or used |
| Local disposal regulations | Dispose in accordance with all applicable regulations. | |
| Hazardous waste code | The waste code should be assigned in discussion bet disposal company. | ween the user, the producer and the waste |
| Waste from residues / unused products | Dispose of in accordance with local regulations. Empt product residues. This material and its container must Disposal instructions). | |
| Contaminated packaging | Since emptied containers may retain product residue, emptied. Empty containers should be taken to an app disposal. Do not re-use empty containers. | |

14. Transport information

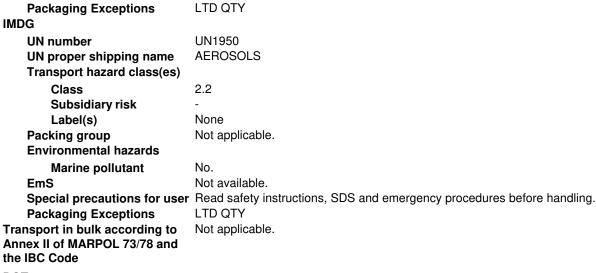
DOT

| UN number | UN1950 |
|------------------------------|--|
| UN proper shipping name | Aerosols, non-flammable, (each not exceeding 1 L capacity) |
| Transport hazard class(es) | |
| Class | 2.2 |
| Subsidiary risk | - |
| Label(s) | 2.2 |
| Packing group | Not applicable. |
| Special precautions for user | Not available. |
| 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.

ΙΑΤΑ

| UN number | UN1950 |
|---------------------------------|---|
| UN proper shipping name | Aerosols, non-flammable |
| Transport hazard class(es) | |
| Class | 2.2 |
| Subsidiary risk | - |
| Label(s) | 2.2 |
| Packing group | Not applicable. |
| Environmental hazards | No. |
| ERG Code | 2L |
| Special precautions for user | Read safety instructions, SDS and emergency procedures before handling. |
| Other information | |
| Passenger and cargo aircraft | Allowed with restrictions. |
| Cargo aircraft only | Allowed with restrictions. |









General information

Avoid transport on vehicles where the load space is not separated from the driver's compartment. Ensure vehicle driver is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency. Before transporting product containers: Ensure that containers are firmly secured. Ensure cylinder valve is closed and not leaking. Ensure valve outlet cap nut or plug (where provided) is correctly fitted. Ensure valve protection device (where provided) is correctly fitted. Ensure adequate ventilation. Ensure compliance with applicable regulations.

15. Regulatory information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Listed.

Listed.

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

Not regulated.

| CERCLA Hazardous Substance List (40 CFR 302.4) | |
|--|--|
| 1,2-Butylene Oxide (CAS 106-88-7) | |

Trichloroethylene (CAS 79-01-6) SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

| Hazard categories | Hazard | categories |
|-------------------|--------|------------|
|-------------------|--------|------------|

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

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous No

chemical

SARA 313 (TRI reporting)

| Chemical name | CAS number | % by wt. |
|--------------------|------------|----------|
| Trichloroethylene | 79-01-6 | 90 - 100 |
| 1,2-Butylene Oxide | 106-88-7 | 0.1 - 1 |

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

1,2-Butylene Oxide (CAS 106-88-7)

Trichloroethylene (CAS 79-01-6)

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

Not regulated.

Safe Drinking Water Act Not regulated. (SDWA)

US state regulations

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100) Not listed.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

1,2-Butylene Oxide (CAS 106-88-7) Trichloroethylene (CAS 79-01-6)

US. Massachusetts RTK - Substance List

1,2-Butylene Oxide (CAS 106-88-7) Carbon Dioxide (CAS 124-38-9) Trichloroethylene (CAS 79-01-6)

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

1,2-Butylene Oxide (CAS 106-88-7) Carbon Dioxide (CAS 124-38-9) Trichloroethylene (CAS 79-01-6)

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

1,2-Butylene Oxide (CAS 106-88-7) Carbon Dioxide (CAS 124-38-9) Trichloroethylene (CAS 79-01-6)

US. Rhode Island RTK

1,2-Butylene Oxide (CAS 106-88-7) Trichloroethylene (CAS 79-01-6)

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

Listed: April 1, 1988

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

Trichloroethylene (CAS 79-01-6)

US - California Proposition 65 - CRT: Listed date/Developmental toxin

Trichloroethylene (CAS 79-01-6) Listed: Jan 31, 2014

US - California Proposition 65 - CRT: Listed date/Male reproductive toxin Trichloroethylene (CAS 79-01-6) Listed: Jan 31, 2014

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 |

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

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

16. Other information, including date of preparation or last revision

| Issue date | 12-03-2018 |
|----------------------|--|
| 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 |