

1. Identification

| | | | |
|---|--|----------------|--|
| Product identifier | Brandt Nutrient+Buffer 10-12-0 | | |
| Other means of identification | | | |
| Product code | 02008 | | |
| Recommended use | Adjuvant/ Fertilizer | | |
| Recommended restrictions | Refer to product label. | | |
| Manufacturer/Importer/Supplier/Distributor information | | | |
| Manufacturer | | | |
| Company name | Brandt Consolidated, Inc. | | |
| Address | 2935 South Koke Mill Road Springfield, IL 62711 United States | | |
| Telephone | Corporate Office | 1-217-547-5800 | |
| Website | www.brandt.co | | |
| E-mail | msds@brandt.co | | |
| Contact person | EH&S / Regulatory Department | | |
| Emergency phone number | CHEMTREC (24 hours): USA, Canada, Puerto Rico 1-800-424-9300 Virgin Islands 1-800-424-9300 International Maritime +1 (703) 527-3887 | | |

2. Hazard(s) identification

| | | |
|------------------------------|--|------------|
| Physical hazards | Not classified. | |
| Health hazards | Acute toxicity, oral | Category 4 |
| | Skin corrosion/irritation | Category 1 |
| | Serious eye damage/eye irritation | Category 1 |
| | Specific target organ toxicity, repeated exposure | Category 1 |
| Environmental hazards | Hazardous to the aquatic environment, acute hazard | Category 3 |
| | Hazardous to the aquatic environment, long-term hazard | Category 3 |
| OSHA defined hazards | Not classified. | |
| Label elements | | |



| | |
|--------------------------------|--|
| Signal word | Danger |
| Hazard statement | Harmful if swallowed. Causes severe skin burns and eye damage. Causes serious eye damage. Causes damage to organs through prolonged or repeated exposure. Harmful to aquatic life. Harmful to aquatic life with long lasting effects. |
| Precautionary statement | |
| Prevention | Do not breathe mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. |
| Response | If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. Wash contaminated clothing before reuse. |

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| Storage | Store locked up. |
| 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 | % |
|--|--------------------------|-------------|------------|
| Urea | | 57-13-6 | 20 - < 30* |
| Phosphoric Acid | | 7664-38-2 | 10 - < 20* |
| Zinc Sulfate | | 7733-02-0 | 5 - < 10* |
| Manganese Sulfate, monohydrate | | 10034-96-5 | 3 - < 5* |
| Nonylphenol polyethylene glycol ether | | 127087-87-0 | 1 - < 3* |
| Poly(ethylene oxide) | | 25322-68-3 | < 0.1* |
| Other components below reportable levels | | | 50 - < 60 |

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

4. First-aid measures

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| 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. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. 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. Call a physician or poison control center immediately. |
| Ingestion | Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. |
| Most important symptoms/effects, acute and delayed | Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Prolonged exposure may cause chronic effects. |
| Indication of immediate medical attention and special treatment needed | Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed. |
| General information | 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). |
| Unsuitable extinguishing media | Do not use water jet as an extinguisher, as this will spread the fire. |
| 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 | Move containers from fire area if you can do so without risk. |
| Specific methods | Use standard firefighting procedures and consider the hazards of other involved materials. |
| General fire hazards | No unusual fire or explosion hazards noted. |

6. Accidental release measures

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| 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 breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. 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

This product is miscible in water. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways. Should not be released into the environment.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. 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.

Environmental precautions

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

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. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

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

Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Avoid prolonged exposure. When using, do not eat, drink or smoke. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store locked up. Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection**Occupational exposure limits**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

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

| Components | Type | Value |
|---|---------|---------------------|
| Manganese Sulfate, monohydrate (CAS 10034-96-5) | Ceiling | 5 mg/m ³ |
| Phosphoric Acid (CAS 7664-38-2) | PEL | 1 mg/m ³ |

US. ACGIH Threshold Limit Values

| Components | Type | Value | Form |
|---|------|------------------------|----------------------|
| Manganese Sulfate, monohydrate (CAS 10034-96-5) | TWA | 0.1 mg/m ³ | Inhalable fraction. |
| | | 0.02 mg/m ³ | Respirable fraction. |
| Phosphoric Acid (CAS 7664-38-2) | STEL | 3 mg/m ³ | |
| | TWA | 1 mg/m ³ | |

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Type | Value | Form |
|---|------|---------------------|-------|
| Manganese Sulfate, monohydrate (CAS 10034-96-5) | STEL | 3 mg/m ³ | Fume. |
| | TWA | 1 mg/m ³ | Fume. |
| Phosphoric Acid (CAS 7664-38-2) | STEL | 3 mg/m ³ | |
| | TWA | 1 mg/m ³ | |

US. Workplace Environmental Exposure Level (WEEL) Guides

| Components | Type | Value | Form |
|---------------------------------------|------|----------------------|--------------------|
| Poly(ethylene oxide) (CAS 25322-68-3) | TWA | 10 mg/m ³ | Particulate. |
| Urea (CAS 57-13-6) | TWA | 10 mg/m ³ | Total particulate. |

Biological limit values

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

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| Appropriate engineering controls | Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product. |
| Individual protection measures, such as personal protective equipment | |
| Eye/face protection | Chemical respirator with organic vapor cartridge and full facepiece. |
| Skin protection | |
| Hand protection | Wear appropriate chemical resistant gloves. |
| Other | Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended. |
| Respiratory protection | Chemical respirator with organic vapor cartridge and full facepiece. |
| Thermal hazards | Wear appropriate thermal protective clothing, when necessary. |
| General hygiene considerations | Keep away from food and drink. 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 | Liquid. |
| Physical state | Liquid. |
| Form | Liquid. |
| Color | Clear. Amber |
| Odor | Slightly soap; phosphoric acid-like. |
| Odor threshold | Not available. |
| pH | < 1.5 |
| Melting point/freezing point | Not available. |
| Initial boiling point and boiling range | 212 °F (100 °C) |
| Flash point | Not available. |
| Evaporation rate | Not available. |
| Flammability (solid, gas) | Not applicable. |
| 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 | 0.00001 hPa |
| Vapor density | > 1 |
| Relative density | 1.29 g/cm3 (typical) |
| Solubility(ies) | |
| Solubility (water) | Miscible |
| Partition coefficient (n-octanol/water) | Not available. |
| Auto-ignition temperature | Not available. |
| Decomposition temperature | Not available. |
| Viscosity | Not available. |
| Other information | |
| Density | 1.82 g/cm3 estimated |
| Explosive properties | Not explosive. |
| Oxidizing properties | Not oxidizing. |
| Percent volatile | 50.25 % estimated |
| Pounds per gallon | 10.75 lb/gal (typical) |

| | |
|-------------------------|-------------------|
| Specific gravity | 1.82 estimated |
| VOC | 10.92 % estimated |

10. Stability and reactivity

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|---|--|
| Reactivity | Reacts violently with strong alkaline substances. This product may react with reducing agents. |
| Chemical stability | Material is stable under normal conditions. |
| Possibility of hazardous reactions | Hazardous polymerization does not occur. |
| Conditions to avoid | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Contact with incompatible materials. Do not mix with other chemicals. |
| Incompatible materials | Bases. Reducing agents. |
| Hazardous decomposition products | No hazardous decomposition products are known. |

11. Toxicological information

Information on likely routes of exposure

| | |
|---------------------|--|
| Inhalation | May cause irritation to the respiratory system. Prolonged inhalation may be harmful. |
| Skin contact | Causes severe skin burns. |
| Eye contact | Causes serious eye damage. |
| Ingestion | Causes digestive tract burns. Harmful if swallowed. |

| | |
|---|---|
| Symptoms related to the physical, chemical and toxicological characteristics | Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. |
|---|---|

Information on toxicological effects

| | |
|-----------------------|-----------------------|
| Acute toxicity | Harmful if swallowed. |
|-----------------------|-----------------------|

| Product | Species | Test Results |
|---|--|-----------------------|
| Brandt Nutrient+Buffer 10-12-0 | | |
| <u>Acute</u> | | |
| Dermal | | |
| LD50 | Rat | 18700 mg/kg estimated |
| Oral | | |
| LD50 | Rat | 3727 mg/kg estimated |
| Components | Species | Test Results |
| Manganese Sulfate, monohydrate (CAS 10034-96-5) | | |
| <u>Acute</u> | | |
| Oral | | |
| LD50 | Rat | 2150 mg/kg |
| Phosphoric Acid (CAS 7664-38-2) | | |
| <u>Acute</u> | | |
| Dermal | | |
| LD50 | Rabbit | 2740 mg/kg |
| Urea (CAS 57-13-6) | | |
| <u>Acute</u> | | |
| Oral | | |
| LD50 | Rat | 8471 mg/kg |
| Zinc Sulfate (CAS 7733-02-0) | | |
| <u>Acute</u> | | |
| Dermal | | |
| LD50 | Rat | > 2000 mg/kg |
| Skin corrosion/irritation | Causes severe skin burns and eye damage. | |
| Serious eye damage/eye irritation | Causes serious eye damage. | |

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** Not classifiable as to carcinogenicity to humans.**IARC Monographs. Overall Evaluation of Carcinogenicity**

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.**Specific target organ toxicity - single exposure** Not classified.**Specific target organ toxicity - repeated exposure** Causes damage to organs through prolonged or repeated exposure.**Aspiration hazard** Not an aspiration hazard.**Chronic effects** Causes damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful.**12. Ecological information****Ecotoxicity** Harmful to aquatic life with long lasting effects. Because of the low pH of this product, it would be expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems.

| Product | | Species | Test Results |
|---|------|---|-----------------------------------|
| Brandt Nutrient+Buffer 10-12-0 | | | |
| Aquatic | | | |
| Crustacea | EC50 | Daphnia | 118.2114 mg/l, 48 hours estimated |
| Fish | LC50 | Fish | 197.7423 mg/l, 96 hours estimated |
| Components | | Species | Test Results |
| Manganese Sulfate, monohydrate (CAS 10034-96-5) | | | |
| Aquatic | | | |
| Crustacea | EC50 | Water flea (Daphnia obtusa) | 30.8 - 44.1 mg/l, 48 hours |
| Fish | LC50 | Fathead minnow (Pimephales promelas) | 36.9 mg/l, 96 hours |
| | | | 29.7 - 52.7 mg/l, 192 hours |
| Nonylphenol polyethylene glycol ether (CAS 127087-87-0) | | | |
| Aquatic | | | |
| Fish | LC50 | Fish | 3.8 - 6.2 mg/l, 96 hr |
| Poly(ethylene oxide) (CAS 25322-68-3) | | | |
| Aquatic | | | |
| Fish | LC50 | Atlantic salmon (Salmo salar) | > 1000 mg/l, 96 hours |
| Urea (CAS 57-13-6) | | | |
| Aquatic | | | |
| Crustacea | EC50 | Water flea (Daphnia magna) | 3910 mg/l, 48 hours |
| Fish | LC50 | Carp (Leuciscus idus melanotus) | > 10000 mg/l, 48 hours |
| | | Guppy (Poecilia reticulata) | 16200 - 18300 mg/l, 96 hours |
| | | Harlequinfish, red rasbora (Rasbora heteromorpha) | 12000 mg/l, 96 hours |
| | | Mozambique tilapia (Tilapia mossambica) | 590 - 730 mg/l, 96 hours |

| Components | Species | | Test Results |
|--|--|--------------------------------------|-----------------------------|
| Zinc Sulfate (CAS 7733-02-0) | | | |
| Aquatic | | | |
| Algae | LC50 | Green algae (Chlorella vulgaris) | 5 mg/l, 24 hours |
| Crustacea | EC50 | Amphipod (Crangonyx pseudogracilis) | 15.1 - 24.5 mg/l, 96 hours |
| | | Rotifer (Philodina acuticornis) | 0.5 mg/l, 48 hours |
| Fish | LC50 | Fathead minnow (Pimephales promelas) | 10.62 - 11.3 mg/l, 5 days |
| | | | 0.168 - 0.25 mg/l, 96 hours |
| | | Fish (Lepidocephalichthyes guntea) | 76 - 118.8 mg/l, 24 hours |
| Persistence and degradability | No data is available on the degradability of any ingredients in the mixture. | | |
| Bioaccumulative potential | | | |
| Partition coefficient n-octanol / water (log Kow) | | | |
| Urea | | | -2.11 |
| Mobility in soil | No data available. | | |
| Other adverse effects | The product contains volatile organic compounds which have a photochemical ozone creation potential. | | |
| 13. Disposal considerations | | | |
| Disposal instructions | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Incinerate the material under controlled conditions in an approved incinerator. 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 | D002: Waste Corrosive material [pH <=2 or >=12.5, or corrosive to steel] 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 | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. | | |
| 14. Transport information | | | |
| DOT | | | |
| UN number | UN1760 | | |
| UN proper shipping name | Corrosive liquids, n.o.s. (Phosphoric Acid) | | |
| Transport hazard class(es) | | | |
| Class | 8 | | |
| Subsidiary risk | - | | |
| Label(s) | 8 | | |
| Packing group | III | | |
| Special precautions for user | Read safety instructions, SDS and emergency procedures before handling. | | |
| Special provisions | A6, A7, B10, T14, TP2, TP27 | | |
| Packaging exceptions | None | | |
| Packaging non bulk | 201 | | |
| Packaging bulk | 243 | | |
| IMDG Regulated Marine Pollutant. DOT Regulated Marine Pollutant. | | | |
| IATA | | | |
| UN number | UN1760 | | |
| UN proper shipping name | Corrosive liquids, n.o.s. (Phosphoric Acid) | | |
| Transport hazard class(es) | | | |
| Class | 8 | | |
| Subsidiary risk | - | | |
| Label(s) | 8 | | |
| Packing group | III | | |
| Environmental hazards | Yes | | |

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number UN1760
UN proper shipping name Corrosive liquids, n.o.s. (Phosphoric Acid), MARINE POLLUTANT
Transport hazard class(es)
Class 8
Subsidiary risk -
Label(s) 8
Packing group III
Environmental hazards
Marine pollutant Yes
EmS Not available.
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

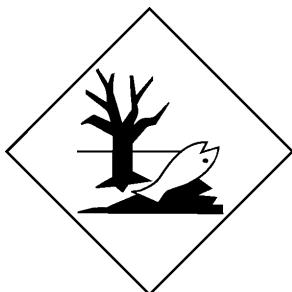
DOT



IATA; IMDG



Marine pollutant



General information IMDG Regulated Marine Pollutant. DOT Regulated Marine Pollutant.

15. Regulatory information

US federal regulations Cadmium 7440-43-9 Listed: October 1, 1987 Arsenic 7440-38-2 Listed: February 27, 1987 Lead 7439-92-1 Listed: October 1, 1992 This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

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

Not regulated.

TSCA Chemical Action Plans, Chemicals of Concern

Nonylphenol polyethylene glycol ether (CAS 127087-87-0)

Nonylphenol (NP) and Nonylphenol Ethoxylates (NPEs) Action Plan

CERCLA Hazardous Substance List (40 CFR 302.4)

Manganese Sulfate, monohydrate (CAS 10034-96-5)
Phosphoric Acid (CAS 7664-38-2)

Listed.
Listed.

Zinc Sulfate (CAS 7733-02-0)

Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)**SARA 302 Extremely hazardous substance**

Not listed.

SARA 311/312 Hazardous chemical

Yes

Classified hazard categories

Acute toxicity (any route of exposure)
 Skin corrosion or irritation
 Serious eye damage or eye irritation
 Specific target organ toxicity (single or repeated exposure)

SARA 313 (TRI reporting)

| Chemical name | CAS number | % by wt. |
|--------------------------------|------------|----------|
| Manganese Sulfate, monohydrate | 10034-96-5 | 3 - < 5 |
| Zinc Sulfate | 7733-02-0 | 5 - < 10 |

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

Manganese Sulfate, monohydrate (CAS 10034-96-5)

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

Not regulated.

Safe Drinking Water Act (SDWA)

Not regulated.

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

Phosphoric Acid (CAS 7664-38-2)

High priority

US state regulations**California Proposition 65**

WARNING: This product can expose you to chemicals including arsenic, cadmium, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

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

Nonylphenol polyethylene glycol ether (CAS 127087-87-0)

Phosphoric Acid (CAS 7664-38-2)

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 Substances (EINECS) | No |
| 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 |
| Taiwan | Taiwan Chemical Substance Inventory (TCSI) | 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 02-11-2019

Version # 01

Disclaimer The information provided in this Safety Data Sheet is correct to the best of Manufacturer's knowledge, information and belief at the date of its publication; however, it is provided only as a guidance for safe handling, use, processing, storage, transportation, disposal and release of the Product. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made with respect to the Product or the information provided herein, or that the Product or information herein may be used without infringing the intellectual property rights of others. The information provided in this Safety Data Sheet relates only to the specific Product designated and may not be valid if the Product is used in combination with other materials or in any other process, unless specified herein. The user assumes all risk and liability for loss, injury, damage or expense due to any use, handling, storage or disposal of the Product, and Manufacturer recommends that the user conducts its own tests of the Product to determine suitability of the Product for user's particular use.