SAFETY DATA SHEET

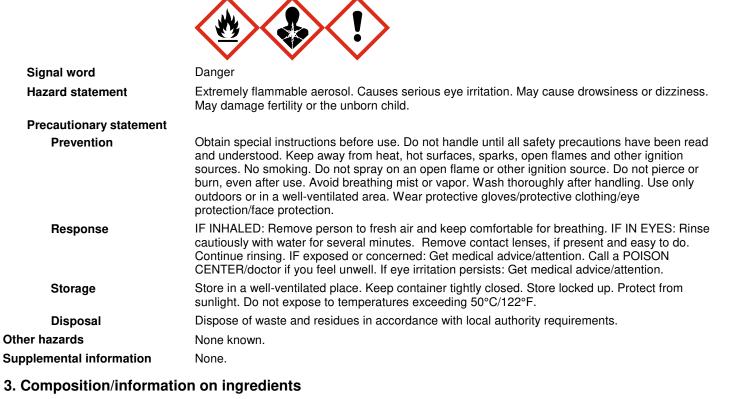
1. Identification

| 369G BORONNITRIDE SPRAY | | |
|-----------------------------------|--|--|
| | | |
| MK-hBN-SP | | |
| Lubricant | | |
| None known. | | |
| Distributor information | | |
| | | |
| M K Impex Corp. | | |
| 6382 Lisgar Drive | | |
| Mississauga, ONTARIO L5N 6 | X1 | |
| Canada | | |
| General Assistance 1-416-509-4462 | | |
| Not available. | | |
| Emergency - Canada | 1-613-996-6666 | |
| Not available. | | |
| | MK-hBN-SP Lubricant None known. Distributor information M K Impex Corp. 6382 Lisgar Drive Mississauga, ONTARIO L5N 62 Canada General Assistance Not available. Emergency - Canada | |

2. Hazard(s) identification

| Physical hazards | Flammable aerosols | Category 1 |
|------------------|---|-----------------------------|
| Health hazards | Serious eye damage/eye irritation | Category 2A |
| | Reproductive toxicity | Category 1 |
| | Specific target organ toxicity, single exposure | Category 3 narcotic effects |

Label elements



Mixtures

| Chemical name | Common name and synonyms | CAS number | % |
|-----------------------------------|--------------------------|------------|---------|
| Acetone | | 67-64-1 | 30 - 60 |
| Ethyl Alcohol | | 64-17-5 | 15 - 40 |
| Isobutane | | 75-28-5 | 10 - 30 |
| Propane | | 74-98-6 | 10 - 30 |
| Butyl Benzyl Phthalate | | 85-68-7 | 0.1 - 1 |
| Mineral Spirits | | 8052-41-3 | 0.1 - 1 |
| Other components below reportable | levels | | 10 - 30 |

Other components below reportable levels

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

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 | Wash off with soap and water. 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. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| Ingestion | 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. |
| 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 | |

Alcohol resistant foam. Powder. Carbon dioxide (CO2). Suitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire. Unsuitable extinguishing media Contents under pressure. Pressurized container may explode when exposed to heat or flame. Specific hazards arising from During fire, gases hazardous to health may be formed. the chemical Special protective equipment Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. and precautions for firefighters Move containers from fire area if you can do so without risk. Containers should be cooled with Fire fighting water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose equipment/instructions holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. Use standard firefighting procedures and consider the hazards of other involved materials. Move Specific methods containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes. Extremely flammable aerosol. General fire hazards

6. Accidental release measures

| Personal precautions, protective equipment and emergency procedures | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. 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. Use water spray to reduce vapors or divert vapor cloud drift. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. 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 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. All equipment used when handling the product must be grounded. Do not re-use empty containers. Avoid breathing mist or vapor. Avoid contact with eyes. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. |
| Conditions for safe storage, including any incompatibilities | Level 3 Aerosol. Store locked up. 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

| Components | Туре | Value | |
|------------------------------------|------|----------|--|
| Acetone (CAS 67-64-1) | STEL | 500 ppm | |
| | TWA | 250 ppm | |
| Ethyl Alcohol (CAS 64-17-5) | STEL | 1000 ppm | |
| Isobutane (CAS 75-28-5) | STEL | 1000 ppm | |
| Mineral Spirits (CAS 8052-41-3) | TWA | 100 ppm | |

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

| Components | Туре | Value | |
|------------------------------------|------|------------|--|
| Acetone (CAS 67-64-1) | STEL | 1800 mg/m3 | |
| | | 750 ppm | |
| | TWA | 1200 mg/m3 | |
| | | 500 ppm | |
| Ethyl Alcohol (CAS 64-17-5) | TWA | 1880 mg/m3 | |
| | | 1000 ppm | |
| Mineral Spirits (CAS 8052-41-3) | TWA | 572 mg/m3 | |
| | | 100 ppm | |
| Propane (CAS 74-98-6) | TWA | 1000 ppm | |

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

| Components | Туре | Value | |
|------------------------------------|-----------------------------|-----------------|--|
| Acetone (CAS 67-64-1) | STEL | 500 ppm | |
| | TWA | 250 ppm | |
| Ethyl Alcohol (CAS 64-17-5) | STEL | 1000 ppm | |
| Mineral Spirits (CAS 8052-41-3) | STEL | 580 mg/m3 | |
| | TWA | 290 mg/m3 | |
| Canada. Manitoba OELs (Reg. 217 | /2006, The Workplace Safety | And Health Act) | |
| Components | Туре | Value | |
| Acetone (CAS 67-64-1) | STEL | 500 ppm | |
| | | 250 nnm | |

| SIEL | 500 ppm | |
|------|---------------------|------------------------------------|
| TWA | 250 ppm | |
| STEL | 1000 ppm | |
| STEL | 1000 ppm | |
| TWA | 100 ppm | |
| | TWA STEL STEL | TWA250 ppmSTEL1000 ppmSTEL1000 ppm |

Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) Components Type V

| Components | Туре | Value | |
|------------------------------------|------|----------|--|
| Acetone (CAS 67-64-1) | STEL | 750 ppm | |
| | TWA | 500 ppm | |
| Ethyl Alcohol (CAS 64-17-5) | STEL | 1000 ppm | |
| Isobutane (CAS 75-28-5) | TWA | 800 ppm | |
| Mineral Spirits (CAS 8052-41-3) | TWA | 100 ppm | |

Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)

| Components | Туре | Value | |
|------------------------------------|------|------------|--|
| Acetone (CAS 67-64-1) | STEL | 2380 mg/m3 | |
| | | 1000 ppm | |
| | TWA | 1190 mg/m3 | |
| | | 500 ppm | |
| Ethyl Alcohol (CAS 64-17-5) | TWA | 1880 mg/m3 | |
| | | 1000 ppm | |
| Mineral Spirits (CAS 8052-41-3) | TWA | 525 mg/m3 | |
| | | 100 ppm | |
| Propane (CAS 74-98-6) | TWA | 1800 mg/m3 | |
| | | 1000 ppm | |

Biological limit values

| ACGIH Biological Expos | sure Indices | | | |
|----------------------------------|-------------------------------|--|---|--|
| Components | Value | Determinant | Specimen | Sampling Time |
| Acetone (CAS 67-64-1) | 25 mg/l | Acetone | Urine | * |
| * - For sampling details, p | lease see the sour | ce document. | | |
| Appropriate engineering controls | should be ma or other engi | atched to conditions. If an neering controls to maint its have not been establis | oplicable, use pro ain airborne leve | hour) should be used. Ventilation rates ocess enclosures, local exhaust ventilation, els below recommended exposure limits. If irborne levels to an acceptable level. Provide |
| Individual protection measu | res, such as pers | onal protective equipme | ent | |
| Eye/face protection | Chemical res | pirator with organic vapo | or cartridge and f | ull facepiece. |
| Skin protection | | | | |
| Hand protection | Wear approp supplier. | priate chemical resistant (| gloves. Suitable | gloves can be recommended by the glove |

| Other | Wear suitable protective 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
considerationsObserve any medical surveillance requirements. 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

| Liquid. |
|------------------------------|
| Aerosol. |
| Not available. |
| 95.6 °F (35.33 °C) estimated |
| |

| Flash point | -245.2 °F (-154.0 °C) estimated |
|--|---------------------------------|
| Evaporation rate | Not available. |
| Flammability (solid, gas) | Not applicable. |
| Upper/lower flammability or exp | losive limits |
| Flammability limit - lower (%) | 2.8 % estimated |
| Flammability limit - upper (%) | 12 % estimated |
| 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 | 784.49 °F (418.05 °C) estimated |
| Decomposition temperature | Not available. |
| Viscosity | Not available. |
| Other information | |
| Explosive properties | Not explosive. |
| Flammability class | Flammable IA estimated |
| Heat of combustion | 27.46 kJ/g estimated |
| Oxidizing properties | Not oxidizing. |
| Percent volatile | 96.69 % estimated |
| Specific gravity | 0.651 estimated |
| VOC (Weight %) | 93.28 % estimated |
| | |

10. Stability and reactivity

| Reactivity | The product is stable and non-reactive under normal conditions of use, storage and transport. |
|-------------------------------------|---|
| Chemical stability | Material is stable under normal conditions. |
| Possibility of hazardous reactions | Hazardous polymerization does not occur. |
| Conditions to avoid | Avoid temperatures exceeding the flash point. Contact with incompatible materials. |
| Incompatible materials | Strong oxidizing agents. Nitrates. Fluorine. Chlorine. |
| 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. | |
|--|---|--|
| Skin contact | No adverse effects due to skin contact are expected. | |
| 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. | |
| Information on toxicological eff | fects | |
| Acute toxicity | Narcotic effects. | |

| Compo | | Species | Test Results |
|-----------|-------------------------|------------|-------------------------|
| Acetone | e (CAS 67-64-1) | | |
| | <u>Acute</u> | | |
| | Dermal | | 7/00 // 0/// |
| | LD50 | Guinea pig | > 7426 mg/kg, 24 Hours |
| | | | > 9.4 ml/kg, 24 Hours |
| | | Rabbit | > 7426 mg/kg, 24 Hours |
| | | | > 9.4 ml/kg, 24 Hours |
| | Inhalation | | |
| | LC50 | Rat | 55700 ppm, 3 Hours |
| | | | 132 mg/l, 3 Hours |
| | | | 50.1 mg/l |
| | Oral | | |
| | LD50 | Rat | 5800 mg/kg |
| | | | 2.2 ml/kg |
| Butyl Be | enzyl Phthalate (CAS 85 | -68-7) | |
| | <u>Acute</u> | | |
| | Oral | | |
| | LD50 | Mouse | 4170 mg/kg |
| | | Rat | 2330 mg/kg |
| Ethyl Ale | cohol (CAS 64-17-5) | | |
| | <u>Acute</u> | | |
| | Inhalation | | |
| | LC50 | Cat | 85.41 mg/l, 4.5 Hours |
| | | | 43.68 mg/l, 6 Hours |
| | | Mouse | > 60000 ppm |
| | | | 79.43 mg/l, 134 Minutes |
| | | Rat | > 115.9 mg/l, 4 Hours |
| | | | 51.3 mg/l, 6 Hours |
| | Oral | | |
| | LD50 | Monkey | 6000 mg/kg |
| | | Mouse | 10500 ml/kg |
| | | Pig | > 5000 mg/kg |
| | | Rat | 10470 mg/kg |
| | | | 7800 ml/kg |
| Isobutar | ne (CAS 75-28-5) | | - |
| | Acute | | |
| | Inhalation | | |
| | LC50 | Mouse | 1237 mg/l, 120 Minutes |
| | | | 52 %, 120 Minutes |
| | | Rat | 1355 mg/l |
| Propane | e (CAS 74-98-6) | | - |
| • | Acute | | |
| | Inhalation | | |
| | LC50 | Mouse | 1237 mg/l, 120 Minutes |
| | | | 52 %, 120 Minutes |
| | | Rat | 1355 mg/l |
| | | | - |
| | | | |

| Components | Species | Test Results |
|--|--|--|
| | | 658 mg/l/4h |
| * Estimates for product may b | pe based on additional com | nponent data not shown. |
| Skin corrosion/irritation | Prolonged skin contact r | may cause temporary irritation. |
| Serious eye damage/eye irritation | Causes serious eye irritation. | |
| Respiratory or skin sensitizatio | n | |
| Respiratory sensitization | Not a respiratory sensiti | zer. |
| Skin sensitization | This product is not expe | cted to cause skin sensitization. |
| Germ cell mutagenicity | No data available to indi mutagenic or genotoxic. | icate product or any components present at greater than 0.1% are |
| Carcinogenicity | Risk of cancer cannot be | e excluded with prolonged exposure. |
| ACGIH Carcinogens | | |
| Acetone (CAS 67-64-1) | | A4 Not classifiable as a human carcinogen. |
| Canada - Manitoba OELs: c | arcinogenicity | |
| ACETONE (CAS 67-64- ETHANOL (CAS 64-17-5 | | Not classifiable as a human carcinogen. Confirmed animal carcinogen with unknown relevance to humans. |
| IARC Monographs. Overall | Evaluation of Carcinoger | nicity |
| Butyl Benzyl Phthalate (0 | CAS 85-68-7) | 3 Not classifiable as to carcinogenicity to humans. |
| Reproductive toxicity | May damage fertility or t | he unborn child. |
| Specific target organ toxicity - single exposure | May cause drowsiness a | and dizziness. |
| Specific target organ toxicity - repeated exposure | Not classified. | |
| Aspiration hazard | Not an aspiration hazard | d. |
| Chronic effects | Prolonged exposure ma | y cause chronic effects. |

12. Ecological information

Ecotoxicity

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.

| Components | | Species | Test Results |
|------------------------|-----------------|---|-----------------------------|
| Acetone (CAS 67-64-1 | 1) | | |
| Aquatic | | | |
| Crustacea | EC50 | Water flea (Daphnia magna) | 21.6 - 23.9 mg/l, 48 hours |
| Fish | LC50 | Rainbow trout,donaldson trout (Oncorhynchus mykiss) | 4740 - 6330 mg/l, 96 hours |
| Butyl Benzyl Phthalate | e (CAS 85-68-7) | | |
| Aquatic | | | |
| Crustacea | EC50 | Water flea (Daphnia magna) | > 0.96 mg/l, 48 hours |
| Fish | LC50 | Shiner perch (Cymatogaster aggregata) | 0.47 - 0.56 mg/l, 96 hours |
| Ethyl Alcohol (CAS 64 | -17-5) | | |
| Aquatic | | | |
| Crustacea | EC50 | Water flea (Daphnia magna) | 7700 - 11200 mg/l, 48 hours |
| Fish | LC50 | Fathead minnow (Pimephales promelas) | > 100.1 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

| Partition coefficient n-octanol / water | r (log Kow) | |
|---|-------------|--|
| Acetone | -0.24 | |
| Butyl Benzyl Phthalate | 4.91 | |
| Ethyl Alcohol | -0.31 | |
| Isobutane | 2.76 | |
| Mineral Spirits | 3.16 - 7.15 | |

| Partition coefficient n-o | octanol / water (log Kow) |
|--|---|
| 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 consideration | ns |
| Disposal instructions | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. 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 | 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. Do not re-use empty containers. |
| 14. Transport information | |

14. Transport information

| TDG | |
|--|---|
| UN number | UN1950 |
| UN proper shipping name | AEROSOLS, flammable |
| Transport hazard class(es) | |
| Class | 2.1 |
| Subsidiary risk | - |
| Packing group | Not applicable. |
| Environmental hazards | Yes |
| Special precautions for user | Read safety instructions, SDS and emergency procedures before handling. |
| 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 |
| | Read safety instructions, SDS and emergency procedures before handling. |
| Other information | |
| Passenger and cargo | Allowed with restrictions. |
| aircraft | Allowed with restrictions |
| Cargo aircraft only IMDG | Allowed with restrictions. |
| | |
| UN number | UN1950 AEROSOLS |
| UN proper shipping name | AEROSOLS |
| Transport hazard class(es) | 0.1 |
| Class | 2.1 |
| Subsidiary risk | - None |
| Label(s) | Not applicable. |
| Packing group Environmental hazards | Not applicable. |
| | Na |
| Marine pollutant EmS | No. F-D. S-U |
| • | , |
| Transport in bulk according to | Read safety instructions, SDS and emergency procedures before handling. Not established. |
| Annex II of MARPOL 73/78 and | างปี ธอเฉมแอแอน. |
| the IBC Code | |
| | |

IATA; IMDG; TDG



Marine pollutant



15. Regulatory information

| Canadian regulations | | |
|-------------------------------------|--|------------------------|
| Controlled Drugs and Subs | tances Act | |
| Not regulated. | | |
| Export Control List (CEPA | 1999, Schedule 3) | |
| Not listed. | | |
| Greenhouse Gases Not listed. | | |
| Precursor Control Regulati | ons | |
| Acetone (CAS 67-64-1) | Class B | |
| International regulations | | |
| Stockholm Convention | | |
| Not applicable. | | |
| Rotterdam Convention | | |
| Not applicable. | | |
| Kyoto protocol | | |
| Not applicable. | | |
| Montreal Protocol | | |
| Not applicable. Basel Convention | | |
| Not applicable. | | |
| International Inventories | | |
| | Inventory name | On inventory (yes/no)* |
| Country(s) or region Australia | Inventory name 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) | No |
| Europe | European Inventory of Existing Commercial Chemical | No |
| Ediopo | Substances (EINECS) | |
| 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 |
| | | |

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | No |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |
| | pnents of this product comply with the inventory requirements administered by the components of the product are not listed or exempt from listing on the invento | |
| 16. Other Information | | |
| Issue date | 04-13-2021 | |

| issue dute | 04 10 2021 |
|----------------------|--|
| 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 |