

SAFETY DATA SHEET

Issuing Date 14-Jul-2017

Revision Date 26-May-2017

Revision Number 0

NGHS / English



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1. IDENTIFICATION

Product identifier

Product Name BYD(D-SC1500PR) BATTERY CELL-1.5AH

Other means of identification

Product Code(s) 1102782

Recommended use of the chemical and restrictions on use

Recommended Use Nickel-cadmium battery

Restrictions on use No information available

Details of the supplier of the safety data sheet

Supplier Identification BYD LITHIUM BATTERY CO., LTD.

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Emergency telephone number

2. HAZARDS IDENTIFICATION

Classification

| | |
|---|---------------------------|
| Acute toxicity - Oral | Category 4 |
| Acute toxicity - Dermal | Category 4 |
| Acute toxicity - Inhalation (Vapors) | Category 2 |
| Acute toxicity - Inhalation (Dusts/Mists) | Category 2 |
| Skin corrosion/irritation | Category 1 Sub-category A |
| Serious eye damage/eye irritation | Category 1 |



| | |
|--|-------------|
| Respiratory sensitization | Category 1 |
| Skin sensitization | Category 1 |
| Germ cell mutagenicity | Category 2 |
| Carcinogenicity | Category 1A |
| Reproductive toxicity | Category 1A |
| Specific target organ toxicity (repeated exposure) | Category 1 |

This is a battery. In case of rupture: the above hazards exist.

Appearance /

Physical state Solid

Odor

GHS Label elements, including precautionary statements

Danger

Hazard statements

- Harmful if swallowed
- Harmful in contact with skin
- Fatal if inhaled
- Causes severe skin burns and eye damage
- May cause allergy or asthma symptoms or breathing difficulties if inhaled
- May cause an allergic skin reaction
- Suspected of causing genetic defects
- May cause cancer
- May damage fertility or the unborn child
- Causes damage to organs through prolonged or repeated exposure



Precautionary Statements - Prevention

- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood
- Use personal protective equipment as required
- Wash face, hands and any exposed skin thoroughly after handling
- Do not eat, drink or smoke when using this product
- Do not breathe dust/fume/gas/mist/vapors/spray
- Use only outdoors or in a well-ventilated area
- Wear respiratory protection
- In case of inadequate ventilation wear respiratory protection
- Contaminated work clothing should not be allowed out of the workplace
- Wear protective gloves

Precautionary Statements - Response

- Specific treatment (see supplemental first aid instructions on this label)
- Specific treatment is urgent (see supplemental first aid instructions on this label)
- Immediately call a POISON CENTER or doctor/physician
- Specific treatment (see supplemental first aid instructions on this label)

Eyes

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 or doctor/physician

Skin



Call a POISON CENTER or doctor/physician if you feel unwell

Wash contaminated clothing before reuse

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

If skin irritation or rash occurs: Get medical advice/attention

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Immediately call a POISON CENTER or doctor/physician

Ingestion

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

Rinse mouth

Do NOT induce vomiting

Precautionary Statements - Storage

Store locked up

Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other information

Very toxic to aquatic life with long lasting effects.

Unknown acute toxicity 56.5 % of the mixture consists of ingredient(s) of unknown toxicity

3 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

56.5 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

33 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

33 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

33 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable.

Mixture

| Chemical name | CAS-No | Percent | Hazardous Material Information Review Act registry number (HMIRA registry #) | Date HMIRA filed and date exemption granted (if applicable) |
|-----------------------|--------|----------|--|---|
| Supplier Trade Secret | - | 30 - 40% | - | - |
| Supplier Trade Secret | - | 20 - 30% | - | - |
| Supplier Trade Secret | - | 20 - 30% | - | - |
| Supplier Trade Secret | - | 0 - 10% | - | - |
| Supplier Trade Secret | - | 0 - 10% | - | - |
| Supplier Trade Secret | - | 0 - 10% | - | - |

4. FIRST AID MEASURES

First aid measures

General advice

Show this safety data sheet to the doctor in attendance. Immediate medical attention is required. IF exposed or concerned: Get medical advice/attention. First aid is upon rupture of sealed battery.

Inhalation

If breathing has stopped, give artificial respiration. Get medical attention immediately. Remove to fresh air. Do not breathe dust. Do not use mouth-to-mouth method if victim



ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If breathing is difficult, (trained personnel should) give oxygen. Delayed pulmonary edema may occur. Get immediate medical advice/attention. May cause allergic respiratory reaction. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

| | |
|---|---|
| Eye contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention. |
| Skin contact | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. May cause an allergic skin reaction. Get immediate medical advice/attention. |
| Ingestion | Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. May produce an allergic reaction. Get immediate medical advice/attention. |
| Self-protection of the first aider | Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Do not breathe dust. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. |

Most important symptoms and effects, both acute and delayed

| | |
|-----------------|---|
| Symptoms | Coughing and/ or wheezing. Difficulty in breathing. Burning sensation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Itching. Rashes. Hives. |
|-----------------|---|

Indication of any immediate medical attention and special treatment needed

| | |
|---------------------------|---|
| Note to physicians | Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. May cause sensitization in susceptible persons. Treat symptomatically. |
|---------------------------|---|

5. FIRE-FIGHTING MEASURES

| | |
|---|--|
| Suitable Extinguishing Media | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Unsuitable extinguishing media | CAUTION: Use of water spray when fighting fire may be inefficient. |
| Specific hazards arising from the chemical | The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors. Product is or contains a sensitizer. May cause sensitization by inhalation and skin contact. May cause sensitization by skin contact. |
| Hazardous Combustion Products | Carbon oxides. |
| Explosion Data | |
| Sensitivity to Mechanical Impact | None. |
| Sensitivity to Static Discharge | None. |
| Special protective equipment for fire-fighters | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. |

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Attention! Corrosive material. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Avoid generation of dust. Do not breathe the dust. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Other Information Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling In case of rupture: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not breathe dust. Avoid generation of dust. In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Provide extract ventilation to points where emissions occur. Remove contaminated clothing and shoes.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Store locked up. Protect from moisture. Store away from other materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

| Chemical name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|-----------------------|--|---|---|
| Supplier Trade Secret | TWA: 0.01 mg/m ³ TWA: 0.002 mg/m ³ respirable particulate matter TWA: 0.01 mg/m ³ Cd TWA: 0.002 mg/m ³ Cd respirable particulate matter | TWA: 0.1 mg/m ³ fume applies to any operations or sectors for which the Cadmium standard is stayed or otherwise not in effect TWA: 0.2 mg/m ³ dust applies to any operations or sectors for which the Cadmium standard is stayed or otherwise not in effect TWA: 5 µg/m ³ Action Level: 2.5 µg/m ³ Action Level: 2.5 µg/m ³ Cd (vacated) STEL: 0.3 ppm fume Ceiling: 0.3 mg/m ³ fume | IDLH: 9 mg/m ³ dust IDLH: 9 mg/m ³ Cd dust and fume |

| | | applies to any operations or sectors for which the Cadmium standard is stayed or otherwise not in effect Ceiling: 0.6 mg/m ³ dust applies to any operations or sectors for which the Cadmium standard is stayed or otherwise not in effect | | |
|-----------------------|--|--|--|---|
| Supplier Trade Secret | TWA: 0.2 mg/m ³ Ni inhalable particulate matter | TWA: 1 mg/m ³ Ni (vacated) TWA: 1 mg/m ³ Ni | | IDLH: 10 mg/m ³ Ni TWA: 0.015 mg/m ³ except Nickel carbonyl Ni |
| Supplier Trade Secret | Ceiling: 2 mg/m ³ | (vacated) Ceiling: 2 mg/m ³ | | Ceiling: 2 mg/m ³ |
| Supplier Trade Secret | Ceiling: 2 mg/m ³ | TWA: 2 mg/m ³ (vacated) Ceiling: 2 mg/m ³ | | IDLH: 10 mg/m ³ Ceiling: 2 mg/m ³ |
| Supplier Trade Secret | TWA: 0.02 mg/m ³ Co | - | | |
| Chemical name | Alberta | British Columbia | Ontario TWAEV | Quebec |
| Supplier Trade Secret | TWA: 0.01 mg/m ³ TWA: 0.002 mg/m ³ | TWA: 0.01 mg/m ³ TWA: 0.002 mg/m ³ | TWA: 0.01 mg/m ³ TWA: 0.002 mg/m ³ | TWA: 0.025 mg/m ³ |
| Supplier Trade Secret | TWA: 0.2 mg/m ³ | TWA: 0.05 mg/m ³ | TWA: 0.2 mg/m ³ | TWA: 1 mg/m ³ |
| Supplier Trade Secret | Ceiling: 2 mg/m ³ | Ceiling: 2 mg/m ³ | CEV: 2 mg/m ³ | Ceiling: 2 mg/m ³ |
| Supplier Trade Secret | Ceiling: 2 mg/m ³ | Ceiling: 2 mg/m ³ | CEV: 2 mg/m ³ | Ceiling: 2 mg/m ³ |
| Supplier Trade Secret | TWA: 0.02 mg/m ³ | TWA: 0.02 mg/m ³ | TWA: 0.02 mg/m ³ | TWA: 0.02 mg/m ³ |

Other Exposure Guidelines

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992). See section 15 for national exposure control parameters.

Appropriate engineering controls

Engineering controls

Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection

Face protection shield.

Hand protection

Wear suitable gloves. Impervious gloves.

Skin and body protection

Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not breathe dust. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing and gloves, including the inside, before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES



Physical and Chemical Properties

| | |
|-----------------------|--------------------------|
| Physical state | Solid |
| Appearance | / |
| Odor | |
| Color | No information available |
| Odor Threshold | No information available |

| <u>Property</u> | <u>Values</u> | <u>Remarks</u> <u>Method</u> |
|---|--------------------|------------------------------|
| pH | No data available | None known |
| Melting / freezing point | No data available | None known |
| Boiling point / boiling range | No data available | None known |
| Flash Point | No data available | None known |
| Evaporation Rate | No data available | None known |
| Flammability (solid, gas) | No data available | None known |
| Flammability Limit in Air | | None known |
| Upper flammability limit | No data available | |
| Lower flammability limit | No data available | |
| Vapor pressure | No data available | None known |
| Vapor density | No data available | None known |
| Relative density | No data available | None known |
| Water Solubility | Insoluble in water | |
| Solubility(ies) | No data available | None known |
| Partition coefficient: n-octanol/water | No data available | None known |
| Autoignition temperature | No data available | None known |
| Decomposition temperature | No data available | None known |
| Kinematic viscosity | No data available | None known |
| Dynamic viscosity | No data available | None known |

Other Information

| | |
|-----------------------------------|--------------------------|
| Explosive properties | No information available |
| Oxidizing properties | No information available |
| Softening Point | No information available |
| Molecular Weight | No information available |
| VOC Content (%) | No information available |
| Liquid Density | No information available |
| Bulk Density | No information available |
| Particle Size | No information available |
| Particle Size Distribution | No information available |

| |
|-------------------------------------|
| 10. STABILITY AND REACTIVITY |
|-------------------------------------|

| | |
|---|---|
| Reactivity | No information available. |
| Chemical stability | Stable under normal conditions. |
| Possibility of Hazardous Reactions | None under normal processing. |
| Hazardous Polymerization | Hazardous polymerization does not occur. |
| Conditions to avoid | Excessive heat. Exposure to air or moisture over prolonged periods. |
| Incompatible materials | Acids. Bases. Oxidizing agent. |
| Hazardous Decomposition Products | Carbon oxides. |

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

| | |
|----------------------------|--|
| Product Information | Product does not present an acute toxicity hazard based on known or supplied information In case of rupture: |
| Inhalation | Specific test data for the substance or mixture is not available. Fatal if inhaled. (based on components). Corrosive by inhalation. Inhalation of corrosive fumes/gases may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate. Inhaled corrosive substances can lead to a toxic edema of the lungs. Pulmonary edema can be fatal. May cause sensitization in susceptible persons. |
| Eye contact | Specific test data for the substance or mixture is not available. Causes burns. (based on components). Corrosive to the eyes and may cause severe damage including blindness. Causes serious eye damage. May cause irreversible damage to eyes. |
| Skin contact | Specific test data for the substance or mixture is not available. Corrosive. (based on components). Causes burns. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. May cause sensitization by skin contact. May be absorbed through the skin in harmful amounts. Harmful in contact with skin. |
| Ingestion | Specific test data for the substance or mixture is not available. Causes burns. (based on components). Ingestion causes burns of the upper digestive and respiratory tracts. May cause severe burning pain in the mouth and stomach with vomiting and diarrhea of dark blood. Blood pressure may decrease. Brownish or yellowish stains may be seen around the mouth. Swelling of the throat may cause shortness of breath and choking. May cause lung damage if swallowed. May be fatal if swallowed and enters airways. May cause additional affects as listed under "Inhalation". |

Information on toxicological effects

| | |
|-----------------|--|
| Symptoms | Coughing and/ or wheezing. Difficulty in breathing. Redness. Burning. May cause blindness. Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain, or flushing. Itching. Rashes. Hives. |
|-----------------|--|

Numerical measures of toxicity

Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

| | |
|--------------------------------------|----------------|
| ATEmix (oral) | 921.00 mg/kg |
| ATEmix (dermal) | 1,261.00 mg/kg |
| ATEmix (inhalation-gas) | 186.00 mg/L |
| ATEmix (inhalation-dust/mist) | 0.09 mg/L |
| ATEmix (inhalation-vapor) | 0.91 mg/L |

| | |
|-------------------------------|--|
| Unknown acute toxicity | 56.5 % of the mixture consists of ingredient(s) of unknown toxicity |
| | 3 % of the mixture consists of ingredient(s) of unknown acute oral toxicity |
| | 56.5 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity |
| | 33 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas) |
| | 33 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor) |
| | 33 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist) |

Component Information

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|-----------------------|----------------------|-------------|---------------------------------------|
| Supplier Trade Secret | = 1140 mg/kg (Rat) | - | = 25 mg/m ³ (Rat) 30 min |



| | | | |
|-----------------------|---|-------------------------|--------------------------------------|
| Supplier Trade Secret | = 1515 mg/kg (Rat) | > 2 g/kg (Rat) | = 1200 mg/m ³ (Rat) 4 h |
| Supplier Trade Secret | = 984 mg/kg (Rat) | - | - |
| Supplier Trade Secret | = 284 mg/kg (Rat) | - | - |
| Supplier Trade Secret | - | = 1350 mg/kg (Rabbit) | - |
| Supplier Trade Secret | = 159 mg/kg (Rat) = 202 mg/kg (Rat) | - | - |

Delayed and immediate effects as well as chronic effects from short and long-term exposure

| | |
|--|--|
| Skin corrosion/irritation | Classification based on data available for ingredients. Causes burns. |
| Serious eye damage/eye irritation | Classification based on data available for ingredients. Risk of serious damage to eyes. Causes burns. |
| Respiratory or skin sensitization | May cause sensitization by inhalation. May cause sensitization by skin contact. |
| Germ cell mutagenicity | Based on available data, the classification criteria are not met. Contains a known or suspected mutagen. |
| Carcinogenicity | Classification based on data available for ingredients. Contains a known or suspected carcinogen. |

The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical name | ACGIH | IARC | NTP | OSHA |
|-----------------------|-------|----------|------------------------|------|
| Supplier Trade Secret | A2 | Group 1 | Known | X |
| Supplier Trade Secret | A1 | Group 1 | Known | X |
| Supplier Trade Secret | A3 | Group 2B | Reasonably Anticipated | X |

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)

A1 - Known Human Carcinogen

A2 - Suspected Human Carcinogen

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

NTP (National Toxicology Program)

Known - Known Carcinogen

Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

| | |
|---------------------------------|---|
| Reproductive toxicity | Classification based on data available for ingredients. Contains a known or suspected reproductive toxin. |
| STOT - single exposure | No information available. |
| STOT - repeated exposure | Causes damage to organs through prolonged or repeated exposure. |
| Aspiration hazard | No information available. |

12. ECOLOGICAL INFORMATION

| | |
|-------------------------|--|
| Marine Pollutant | This product contains a chemical which is listed as a severe marine pollutant according to DOT |
|-------------------------|--|

Ecotoxicity Very toxic to aquatic life with long lasting effects.

| Chemical name | Toxicity to Algae | Toxicity to Fish | Toxicity to Microorganisms | Daphnia Magna (Water Flea) |
|-----------------------|-------------------|---|----------------------------|----------------------------|
| Supplier Trade Secret | - | 96h LC50: = 0.003 mg/L (Oncorhynchus mykiss) 96h LC50: = 0.006 mg/L (Oncorhynchus mykiss) 96h LC50: = 0.002 mg/L (Cyprinus carpio) 96h LC50: = 4.26 mg/L (Cyprinus carpio) 96h LC50: = 0.24 mg/L (Cyprinus carpio) 96h LC50: = 0.016 mg/L (Oryzias latipes) 96h LC50: = 21.1 mg/L (Lepomis macrochirus) 96h LC50: 0.0004 - 0.003 mg/L (Pimephales promelas) | - | 48h EC50: = 0.0244 mg/L |
| Supplier Trade Secret | - | 96h LC50: = 13.6 mg/L (Morone saxatilis) | - | - |
| Supplier Trade Secret | - | 96h LC50: = 80 mg/L (Gambusia affinis) | - | - |
| Supplier Trade Secret | - | 96h LC50: = 45.4 mg/L (Oncorhynchus mykiss) | - | - |

Persistence and Degradability No information available.

Bioaccumulation

| Chemical name | Log Pow |
|-----------------------|---------|
| Supplier Trade Secret | 0.83 |

Mobility No information available.

Other adverse effects No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

US EPA Waste Number D006

California Hazardous Waste Codes 141

This product contains one or more substances that are listed with the State of California as a hazardous waste.

| Chemical name | California Hazardous Waste |
|-----------------------|----------------------------|
| Supplier Trade Secret | Toxic |



| | |
|-----------------------|--------------------|
| | Corrosive |
| Supplier Trade Secret | Toxic Corrosive |
| Supplier Trade Secret | Toxic |

14. TRANSPORT INFORMATION

| | |
|-----------------------------|---|
| DOT | NOT REGULATED |
| Proper Shipping Name | NON-REGULATED |
| Hazard Class | N/A |
| Marine Pollutant | This product contains a chemical which is listed as a severe marine pollutant according to DOT |
| TDG | Not regulated |
| Marine Pollutant | This product contains a chemical which is listed as a severe marine pollutant according to TDG. |
| MEX | Not regulated |
| ICAO | Not regulated |
| IATA | Not regulated |
| Proper Shipping Name | NON REGULATED |
| Hazard Class | N/A |
| IMDG/IMO | Not regulated |
| Hazard Class | N/A |
| Marine Pollutant | Product is a marine pollutant according to the criteria set by IMDG/IMO |
| RID | Not regulated |
| ADR | Not regulated |
| ADN | Not regulated |

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Regulations

Ozone-depleting substances (ODS) Not applicable

Persistent Organic Pollutants Not applicable

Export Notification requirements Not applicable

International Inventories

| | |
|----------------------|---|
| TSCA | Contact supplier for inventory compliance status. |
| DSL/NDL | Contact supplier for inventory compliance status. |
| EINECS/ELINCS | Contact supplier for inventory compliance status. |
| ENCS | Contact supplier for inventory compliance status. |
| KECL | Contact supplier for inventory compliance status. |
| PICCS | Contact supplier for inventory compliance status. |
| AICS | Contact supplier for inventory compliance status. |

Legend



TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical name | CAS-No | Percent | SARA 313 - Threshold Values % |
|-------------------------|--------|----------|-------------------------------|
| Supplier Trade Secret - | | 30 - 40% | 0.1 |
| Supplier Trade Secret - | | 20 - 30% | 0.1 |
| Supplier Trade Secret - | | 0 - 10% | 0.1 |

| | |
|--|----|
| Acute Health Hazard | No |
| Chronic Health Hazard | No |
| Fire Hazard | No |
| Sudden release of pressure hazard | No |
| Reactive Hazard | No |

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical name | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|-----------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Supplier Trade Secret | | X | X | |
| Supplier Trade Secret | | X | | X |
| Supplier Trade Secret | 1000 lb | | | X |
| Supplier Trade Secret | 1000 lb | | | X |

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical name | Hazardous Substances RQs | Extremely Hazardous Substances RQs | RQ |
|-----------------------|--------------------------|------------------------------------|---|
| Supplier Trade Secret | 10 lb | | RQ 10 lb final RQ RQ 4.54 kg final RQ |
| Supplier Trade Secret | 10 lb | | RQ 10 lb final RQ RQ 4.54 kg final RQ |
| Supplier Trade Secret | 1000 lb | | RQ 1000 lb final RQ RQ 454 kg final RQ |
| Supplier Trade Secret | 1000 lb | | RQ 1000 lb final RQ RQ 454 kg final RQ |

US State Regulations

California Proposition 65



This product contains the following Proposition 65 chemicals.

| Chemical name | California Proposition 65 |
|-------------------------|--|
| Supplier Trade Secret - | Carcinogen Developmental Male Reproductive |
| Supplier Trade Secret - | Carcinogen |
| Supplier Trade Secret - | Carcinogen |

U.S. State Right-to-Know Regulations

This product may contain substances regulated by state right-to-know regulations.

| Chemical name | New Jersey | Massachusetts | Pennsylvania | Rhode Island | Illinois |
|-----------------------|------------|---------------|--------------|--------------|----------|
| Supplier Trade Secret | X | X | X | X | X |
| Supplier Trade Secret | X | X | X | X | X |
| Supplier Trade Secret | X | X | X | X | |
| Supplier Trade Secret | X | X | X | X | |
| Supplier Trade Secret | X | | X | X | X |

16. OTHER INFORMATION

| | | | | |
|-------------|------------------|----------------|--------------------|---|
| NFPA | Health hazards 1 | Flammability 0 | Instability 0 | Physical and Chemical Properties - Personal Protection X |
| HMIS | Health hazards 0 | Flammability 0 | Physical hazards 0 | |

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Issuing Date 14-Jul-2017

Revision Date 26-May-2017

Revision Note No information available

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End of Safety Data Sheet

