

SAFETY DATA SHEET

NutriBind®



Revision date: 2020-07-07
Version 1.1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: NutriBind®

Synonyms: Activated Carbon Blend

Trade Name: NutriBind®

Product Form: Mixture

Recommended use of the chemical and restrictions on use

Recommended Use: Remediation of contaminated groundwater and soils.

Restrictions on Use: Use as recommended by the label

Details of the supplier and of the safety data sheet

Supplier: Tersus Environmental, LLC
1116 Colonial Club Rd
Wake Forest, NC 27587
Phone: +1-919-453-5577
Email: info@tersusenv.com

Contact Person: David F. Alden
Phone: +1-919-453-5577 x2002
Email: david.alden@tersusenv.com

Emergency telephone number

For leak, fire, spill or accident emergencies, call:

+1-919-453-5577 (Tersus Office Hours, 8:00 AM to 5:00 PM Eastern)
+1-800-424-9300 (Chemtrec 24 Hour Service – Emergency Only)
+1-703-527-3887 (Chemtrec Outside United States 24 Hour Service – Emergency Only)
+1-919-638-7892 Gary M. Birk (Outside office hours)

2. HAZARD IDENTIFICATION

United States: According OSHA 29 CFR 1910.1200 HCS

GHS Classification of the Substance or Mixture including Precautionary Statements:

Emergency Overview:

Potential Health Effects: Medical conditions aggravated by exposure: Not expected to be a health hazard.

Physical hazards: Not classified

Health hazards: Eye irritation, Category 2B, Respiratory irritation, Category 3.

Environmental hazards: See Section IV

OSHA defined hazards: Not classified

Chronic Effects: No adverse effects expected.

Carcinogenic Effects: IARC: Not listed NTP: Not listed OSHA: Not regulated

Other hazards

Prolonged over exposure to carbon dust can produce skin and eye irritation. Prolonged inhalation can cause irritation of mucus membranes.

Label elements
Hazard Pictograms



Signal Word: WARNING

Hazard statements

Contact may cause eye irritation. Dust may be slightly irritating to and respiratory tract. Wet activated carbon removes oxygen from air causing a severe hazard to workers in enclosed or confined space.

H315 Causes skin irritation.

H320 Causes eye irritation.

Precautionary Statement:

Keep away from all ignition sources including heat, sparks, and flame.

Prevention:

Prevent dust accumulations to minimize explosion hazard.

P261 Avoid breathing dust/fume.

P264 Wash thoroughly after handling.

Response:

P305 IF IN EYES: Irrigate for 15 minutes.

P304 IF INHALED: Remove to fresh air.

Storage

P402 Store in a dry place.

P403 Store in a well-ventilated area.

P404 Store in closed container.

Disposal

P501 Dispose of waste and residues including containers in accordance with local authority requirements.

Other Hazards Not Otherwise Classified (HNOC):

Odorless black granules or powder. Avoid contact with skin and eyes. Avoid breathing dust. Activated carbon (especially when wet) can deplete oxygen from air in enclosed spaces, and dangerously low levels of oxygen may result. Prior to entering a confined space that contains or previously contained activated carbon, the space should be evaluated for oxygen and carbon monoxide concentrations, and any other hazards, by a qualified person.

Workers should also take appropriate precautions when dealing with spent (used) activated carbons which may exhibit hazardous properties associated with the adsorbed materials.

Avoid dust formation. Powdered material may form an explosible dust-air mixture. If transferring product under pressure, avoid generation of dust if an ignition source is present.

Activated carbons have high surface area which may cause self-heating during oxidation. See Section 5.

Do not generate dust because airborne respirable crystalline silica may be generated.

Potential health effects

| | |
|---|--|
| Principle Routes of Exposure: | Inhalation, Eye contact, Skin Contact |
| Eye Contact: | May cause mechanical irritation. Avoid contact with eyes. |
| Skin Contact: | May cause mechanical irritation. Avoid contact with skin. |
| Inhalation: | Dust may be irritating to respiratory tract. Provide appropriate local exhaust ventilation at machinery and at places where dust can be generated. See also Section 8. |
| Ingestion: | Adverse health effects are not known or expected under normal use. |
| Carcinogenicity: | See Section 11. |
| Target Organ Effects: | Lungs, Eyes, Skin |
| Medical Conditions Aggravated by | Asthma, Respiratory disorder, Skin disorders Exposure: |
| Potential Environmental Effects: | No special environmental precautions required. See also Section 12. |

3. COMPOSITION/INFORMATION ON INGREDIENTS

| | |
|-------------------------|----------------|
| Chemical Formula | Mixture |
|-------------------------|----------------|

| Chemical Name | CAS number | Concentration (%) |
|---|--------------|-------------------|
| Activated Carbon* | 7440-44-0* | up to 80 |
| Magnesium sulfate, heptahydrate. Epsom salt | 10034-99-8** | 1 to 20 |
| Yeast fermentation product and other non-hazardous ingredients | Trade Secret | up to 2 |

*This product, which is manufactured from a naturally occurring raw material(s), contains <10% total crystalline silica (quartz, CASRN 14808-60-7). ACGIH (TWA) for respirable dust is 2.5 mg/m³. There are no established PEL, TWA or TLV values for this material. Caution should be taken for respirable dust. The product has no known carcinogenic properties.

** Under the Toxic Substances Control Act (TSCA), hydrates are considered as mixtures of their anhydrous salt and water. Accordingly, the CAS Numbers 7487-88-9, 7732-18-5 are used for purposes of TSCA.

Non-Hazardous components are recorded at 3% or >; Acute hazards are recorded when present at 1% or >; Chronic hazards are recorded when present at 0.01% or >.

Synonyms are provided in Section 1.

Occupational exposure limits, if available, are listed in Section 8.

4. FIRST AID MEASURES

| | |
|--------------|---|
| Eye Contact | Flush eyes immediately with large amounts of water for 15 minutes. Seek medical attention if symptoms develop. |
| Skin Contact | Wash thoroughly with soap and water. Seek medical attention if symptoms develop. |
| Inhalation | If cough, shortness of breath or other breathing problems occur, move to fresh air. Seek medical attention if symptoms persist. If necessary, restore normal breathing through standard first aid measures. |

| | |
|--|---|
| Ingestion | Do not induce vomiting. If conscious, give several glasses of water. Never give anything by mouth to an unconscious person. |
| Most important symptoms and effects, both acute and delayed | The most important known symptoms and effects are described in Section 2 and/or in Section 11. |
| Indication of any immediate medical attention and special treatment needed | Note to physicians: Treat symptomatically. |

5. FIRE-FIGHTING MEASURES

FIRE & EXPLOSION DATA:

Flash Point: N/A

Decomposition Products: CO may be formed in fire.

Thermal Decomposition: Sulfur Oxides (SOx)

FIRE FIGHTING MEASURES:

Flashpoint: Not Applicable.

Non-flammable: 16CFR1500.44.

Not Self Heating: UN Manual of Tests and Criteria, Test N.3.

Flammability Limits in Air: LFL and UFL Not Applicable.

General Information

Carbon Monoxide and Carbon Dioxide gas may be generated during combustion. Caution is advised.

Contact of activated carbon with strong oxidizers such as ozone or liquid oxygen may cause rapid combustion.

Fire is possible at elevated temperatures or by contact with an ignition with most types of organic solids. Activated carbon is difficult to ignite and when it does, it tends to burn or smolder very slowly without any smoke or flame.

Suitable Extinguishing Media

Use foam, carbon dioxide (CO₂), dry chemical or water spray. A fog is recommended if water is used.

Unsuitable Extinguishing Media

DO NOT USE a solid water stream as it may scatter and spread fire. In the event of a fire, spreading large amounts of activated carbon is not recommended due to the risk of creating uncontrolled dust emissions.

Specific Hazards Arising from the chemical or mixture

Burning produces irritant fumes. If transferring product under pressure, avoid generation of dust if an ignition source is present.

Activated carbons have high surface area which may cause self-heating during oxidation. An adequate air gap between packages of activated carbon is recommended to reduce risk of propagation of the event. Activated carbon is difficult to ignite and tends to burn slowly (smolder) without producing smoke or flame.

Hazardous combustion products

Combustion products may include smoke and oxides of carbon (for example, carbon monoxide). Materials allowed to smolder or long periods in enclosed spaces, may produce amounts of carbon

monoxide which reach the lower explosive limit (carbon monoxide LEL = 12.5% in air). Under certain conditions, any airborne dust may be an explosion hazard. Used activated carbon may produce additional combustion products.

Advice for Firefighters Firefighting personnel should wear full protective equipment, including self-contained breathing apparatus (SCBA) for all inside fires and large outdoor fires.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Avoid dust formation. Ensure adequate ventilation. Use personal protective equipment. See also Section 8.

Environmental Precautions No special environmental precautions required. Local authorities should be advised if significant spillages cannot be contained.

Reportable Quantities: No EPA requirements.

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

Methods for Clean Up Avoid dry sweeping and use water spraying or vacuum cleaning systems to prevent airborne dust generation. Use of a vacuum with high efficiency particulate air (HEPA) filtration is recommended. Do not create a dust cloud by using a brush or compressed air. Pick up and transfer to properly labelled containers. Spent granular activated carbon may be recyclable. Dispose of virgin (unused) carbon (surplus or spillage) in a facility permitted for non-hazardous wastes. Spent (used) carbon should be disposed of in accordance with applicable laws. Do not reuse empty bags: dispose of in a facility permitted for non-hazardous wastes. See Section 13.

7. HANDLING AND STORAGE

Precautions for safe handling Avoid contact with skin and eyes. Avoid dust formation. Do not breathe dust.

Provide appropriate local exhaust ventilation at machinery and at places where dust can be generated. Do not create a dust cloud by using a brush or compressed air. Dust may form explosive mixture in air.

Activated carbons have high surface area which may cause self-heating during oxidation. Take precautionary measures against static discharges. All metal parts of the mixing and processing equipment must be earthed/grounded. Ensure all equipment is electrically earthed/grounded before beginning transfer operations. Fine dust is capable of penetrating electrical equipment and may cause electrical shorts. If hot work (welding, torch cutting, etc.) is required the immediate work area must be cleared of product and dust.

Hygiene measures Handle in accordance with good industrial hygiene and safety procedures. Workers should wash hands and face before eating, drinking, and smoking.

Conditions for safe storage, Storage precautions: Keep in a dry, cool, and well-ventilated place.

including any incompatibilities

Keep away from heat and sources of ignition. Do not store together with strong oxidizing agents. Keep in properly labeled containers. Activated carbon is difficult to ignite and tends to burn slowly (smolder) without producing smoke or flame. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosible mixture if they are released in the atmosphere in sufficient concentrations. Prior to entering a confined space that contains or previously contained activated carbon, the space should be evaluated for oxygen and carbon monoxide concentrations, and any other hazards, by a qualified person.

Incompatible products: Strong oxidizing agents. Strong acids.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Control parameters

Exposure guidelines, ingredients with workplace control parameters.

Activated Carbon (CAS-No 7440-44-0)**Dust, or Particulates Not Otherwise Specified:**

| | |
|------------------------|---|
| Austria MAK: | 10 mg/m ³ , STEL 2x30 min, Inhalable dust 5 mg/m ³ , TWA, Inhalable dust |
| Belgium: | 10 mg/m ³ , TWA, Inhalable 3 mg/m ³ TWA, Respirable |
| Canada (Saskatchewan): | 10 mg/m ³ , TWA, Inhalable 3 mg/m ³ TWA, Respirable |
| China: | 8 mg/m ³ , TWA 10 mg/m ³ , STEL |
| France: | 10 mg/m ³ , TWA Inhalable dust 5 mg/m ³ , TWA Respirable dust |
| Germany - TRGS 900: | 10 mg/m ³ , TWA, Inhalable 3 mg/m ³ , Respirable fraction |
| Hong Kong: | 10 mg/m ³ , TWA |
| Ireland: | 10 mg/m ³ , TWA, Total inhalable 4 mg/m ³ , TWA, Respirable |
| Italy: | 10 mg/m ³ , TWA, Inhalable 3 mg/m ³ , TWA, Respirable |
| Japan: | 3 mg/m ³ TWA, Respirable |
| Malaysia: | 10 mg/m ³ , TWA, Inhalable 3 mg/m ³ , TWA, Respirable |
| The Netherlands: | 3.5 mg/m ³ , Inhalable |
| Spain: | 10 mg/m ³ , VLA, Inhalable 3 mg/m ³ , VLA, Respirable |

| | |
|-----------------------|--|
| Sweden: | 10 mg/m ³ , NGV, Total inhalable 5 mg/m ³ , NGV, Respirable |
| United Kingdom - WEL: | 10 mg/m ³ , TWA, Total Inhalable dust 4 mg/m ³ , TWA, Respirable dust |
| US ACGIH - PNOS: | 10 mg/m ³ , TWA, Inhalable 3 mg/m ³ , TWA, Respirable |
| US OSHA - PEL: | 15 mg/m ³ , TWA, Total dust 5 mg/m ³ , TWA, Respirable |

**Silica, Crystalline
(Quartz) CAS RN
14808-60-7:**

| | |
|---------------|---|
| Austria MAK: | 0.15 mg/m ³ , TWA (Respirable) |
| Belgium: | 0.1 mg/m ³ , TWA (Alveolar fraction) |
| Denmark: | 0.1 mg/m ³ , TWA (Respirable) |
| Finland: | 0.05 mg/m ³ , TWA (Respirable) |
| France: | 0.1 mg/m ³ , VME (Alveolar fraction) |
| Ireland: | 0.1 mg/m ³ , TWA (Respirable) |
| Italy: | 0.025 mg/m ³ , TWA (Respirable) |
| Japan: | (3 mg/m ³)/(1.19 % SiO ₂ + 1) (Respirable) |
| Switzerland: | 0.15 mg/m ³ , TWA (Respirable) |
| UK WEL: | 0.1 mg/m ³ , TWA (Respirable) |
| US OSHA PEL: | (10 mg/m ³)/(% SiO ₂ + 2) (Respirable) (30 mg/m ³)/(% SiO ₂ + 2) (Total) |
| US ACGIH TLV: | 0.025mg/m ³ (Respirable) |

| Name | CAS-No | OSHA | ACGIH | NIOSH | Supplier |
|---------------------------------|------------|----------------------|----------------------|----------------------|----------------------|
| Magnesium sulfate, heptahydrate | 10034-99-8 | No Established Limit | No Established Limit | No Established Limit | No Established Limit |

Carcinogen Data

| Name | CAS-No | OSHA | NTP | IARC |
|---------------------------------|------------|--------------------------|--------------------------|--|
| Magnesium sulfate, heptahydrate | 10034-99-8 | Select Carcinogen: No | Known: No; Suspected: No | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No |

Exposure Control

Protective equipment



Appropriate engineering controls

Provide eyewash station. Use local exhaust to control emissions near the source. Ventilation systems should be configured to prevent exceeding the recommended or regulated exposure limits (i.e. OSHA PELs).

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU). Safety glasses with side shields are recommended for any type of handling. Where eye contact or dusty conditions may likely, dust tight goggles are recommended. Have eye washing equipment available.

| | |
|--|--|
| Respiratory protection | Follow the OSHA respiratory regulations found in 29 CFR 1910.134 or European Standard EN149. Keep dust exposure to a minimum with engineering and administrative controls. Use appropriate NIOSH/MSHA approved particulate respirators if necessary. Observe respirator use limitations specified by NIOSH/MSHA or the manufacturer. Use type N95 (US) or type P1 (EN 143) dust masks for nuisance levels of dust. |
| Hand protection | Wear appropriate chemical resistant gloves. |
| Other skin and body protection | Wear suitable protective clothing. Wash clothing daily. Work clothing should not be allowed out of the workplace. |
| Hygiene measures | Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Safety shower and eye wash should be available close to work areas. |
| Environmental Exposure Controls | No special environmental precautions required. Avoid release to the environment. |

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

General Information

| | |
|------------------|---|
| Physical State | Solid |
| Appearance | Powder |
| Color | Black |
| Odor | Generally odorless. May produce slight sulfur smell when wet. |
| Odor threshold | Not Applicable |
| Molecular Weight | Not Applicable, Mixture |

Safety Data

| Property | Value | Remarks / Method |
|--|------------------------------|--------------------------|
| pH: | | Not Applicable |
| Melting point/freezing point: | | Not Applicable |
| Boiling point / boiling range: | | Not Applicable |
| Evaporation Rate: | | Not Applicable |
| Vapor pressure: | | Not Applicable |
| Vapor Density: | | Not Applicable |
| Density: | | No information available |
| Bulk Density: | 25 - 35 lbs./ft ³ | |
| Specific Gravity at 20°C: | | No information available |
| Water solubility: | Insoluble | |
| Solubility(ies): | | No information available |
| Partition Coefficient (n-octanol/water): | | No information available |
| Decomposition temperature: | | No information available |
| Viscosity: | | Not Applicable |
| Kinematic viscosity: | | Not Applicable |
| Dynamic viscosity: | | Not Applicable |
| Oxidizing Properties: | | Not Applicable |

| | | |
|---|---------------------|---|
| Softening point: | | No information available |
| VOC content (%): | | Not Applicable |
| % Volatile (by Volume): | | No information available |
| % Volatile (by Weight): | | No information available |
| Surface Tension: | | No information available |
| Explosive properties: | | Dust may form explosible mixture in air |
| Flash Point: | | Not Applicable |
| Flammability (solid, gas): | | No information available |
| Flammability Limit in Air: | | No information available |
| Explosion Limits in Air - Upper (g/m3): | | No information available |
| Explosion Limits in Air - Lower (g/m3): | 50 g/m ³ | ASTM E-1515 |
| Autoignition Temperature: | | No information available |
| Minimum Ignition Temperature: | 480 - 500 °C | ASTM E-1491 |
| Minimum Ignition Energy: | > 500 mJ | ASTM E-2019 and IEC 61241-2-3 |
| Ignition Energy: | | No information available |
| Maximum Absolute Explosion Pressure: | 7.9 bar | ASTM E-1226 |
| Maximum Rate of Pressure Rise: | 415 bar/sec | ASTM E-1226 |
| Burn Velocity: | | No information available |
| Kst Value: | 113 | ASTM E-1226 |
| bar.meter/second | | |
| Dust Explosion Classification: | ST1 | |
| Maximum Absolute Explosion Pressure: | 7.9 bar | ASTM E-1226 |
| Maximum Rate of Pressure Rise: | 415 bar/sec | ASTM E-1226 |
| Burn Velocity: | | No information available |
| Kst Value: | 113 bar.meter/sec | ASTM E-1226 |
| Dust Explosion Classification: | ST1 | |

10. STABILITY AND REACTIVITY

| | |
|---|---|
| Reactivity | The product is stable and non-reactive under normal conditions of use, storage, and transport. Contact or mixture with oxidizing agent such as nitric acid may cause ignition or explosion. |
| Chemical stability | This product is stable under normal conditions of storage, shipment, and use. Avoid storing at high temperatures or in direct sunlight. Do not store above 24 °C. |
| Possibility of hazardous reactions | No dangerous reaction known under conditions of normal use. |
| Conditions to avoid | Avoid temperatures exceeding the decomposition temperature. Contact with incompatible materials. |
| Incompatible materials | Contact with strong oxidizers such as ozone, liquid oxygen, chlorine, permanganate, etc. may result in rapid combustion. |
| Hazardous decomposition products | Used activated carbon may produce additional combustion products which are based on the substance(s) adsorbed. Materials allowed to smolder for long periods in enclosed spaces may produce amounts of carbon monoxide which reach the lower explosive limit (carbon monoxide LEL = 12.5% in air). Carbon oxides. |

11. TOXICOLOGICAL INFORMATION

Information given is based on data obtained from this substance or from similar substances.

Acute toxicity Activated Carbon

Not classified.

| | |
|--|--|
| Oral LD50: | LD50/oral/rat = >2000 mg/kg. (OECD 423). |
| Inhalation LC50: | LC50/inhalation/1h/rat = >8.5 mg/L (OECD 403) |
| Dermal LD50: | Absorption highly unlikely, no health effects known. |
| Skin corrosion/irritation: | Not classified Skin irritation test, rabbit (OECD 404): Not irritating |
| Serious eye damage/eye irritation: | Not classified. Eye irritation test, rabbit (OECD 405): Not irritating. |
| Sensitization: Assay (OECD 429). | Not classified. Not sensitizing based on Local Lymph Node |
| Mutagenicity: | Not classified. - Gene mutation in bacteria (Bacterial Reverse Mutation Assay/Ames) (OECD 471): not mutagenic. - In vitro Mammalian Chromosome Aberration Test (OECD 473): not clastogenic. - In vitro Mammalian Cell Gene Mutation Test (OECD 476):. non-mutagenic. |
| Carcinogenicity: | Not classified. Contains a component (crystalline silica) that is listed by IARC as group 1, by ACGIH as group A2, and by NTP as a known human carcinogen. |

Acute toxicity Magnesium sulfate, heptahydrate

| Ingredient | Oral LD50, mg/kg | Skin LD50, mg/kg | Inhalation Vapor LC50, mg/L/4hr | Inhalation Dust/Mist LC50, mg/L/4hr | Inhalation Gas LC50, ppm |
|---------------------------------|---------------------|---------------------|---------------------------------------|--|--------------------------------|
| Magnesium sulfate, heptahydrate | No data available | No data available | No data available | No data available | No data available |

12. ECOLOGICAL INFORMATION

Information given is based on data obtained from this substance or from similar substances.

| | |
|------------------------------|--|
| Aquatic Toxicity: | Nontoxic. The substance is highly insoluble in water and the substance is unlikely to cross biological membranes. No adverse ecological effects are known. |
| Terrestrial Toxicity: | Earthworm reproduction study (OECD 222), NOAEC for body weight reduction 1,000 mg/kg soil; NOAEC for reproduction 3,200 mg/kg soil. Nontoxic in soil. |

Environmental Fate

| | |
|--|--|
| Persistence and degradability | Not expected to degrade |
| Bioaccumulation | Not expected due to physicochemical properties of the substance. |
| Mobility | Not expected to migrate. Insoluble. |
| Distribution to Environmental Compartments | Insoluble. Expected to remain on soil surface. |

13. DISPOSAL CONSIDERATIONS

Disclaimer: Information in this section pertains to the product as shipped in its intended composition as described in Section 3 of this SDS. Contamination or processing may change waste characteristics and requirements. Regulations may also apply to empty containers, liners or rinsate. State/provincial and local regulations may be different from federal regulations.

RCRA: Unused product is not a hazardous waste under U.S. RCRA, 40 CFR 261. Spent (used) product may be hazardous based on the substance adsorbed.

Waste Disposal Methods

Activated carbon, in its original state, is not a hazardous material or hazardous waste. Follow applicable regulations for waste disposal.

Spent (used) activated carbon may be classified as a hazardous waste depending upon its use, the substance(s) adsorbed, and how it is ultimately managed. Follow applicable regulations for disposal.

Recycling (reactivation) may be a viable alternative to disposal. Dust formation from residues in packaging should be avoided and suitable worker protection assured. Store used packaging in enclosed receptacles.

Disposal of Contaminated Packaging

Dispose according to federal, state, and local laws. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Authority.

14. TRANSPORTATION INFORMATION**U.S. (D.O.T.)**

| | |
|------------------------|---|
| Proper Shipping Name: | Chemicals not otherwise indexed (NOI) nonhazardous. |
| Hazard Class: | Not applicable |
| UN/NA: | Not applicable |
| Labels: | Not applicable |
| Shipping Class | 70 |
| Freight Classification | STCC Code - #2899643 / NMFC #40560 |

Canada (T.D.G.)

| | |
|-----------------------|---|
| Proper Shipping Name: | Chemicals not otherwise indexed (NOI) nonhazardous. |
| Hazard Class: | Not applicable |
| UN/NA: | Not applicable |
| Labels | Not applicable |

IMDG

Proper Shipping Name: Chemicals not otherwise indexed (NOI) nonhazardous.
 Hazard Class: Not applicable
 UN/NA: Not applicable
 Labels: Not applicable

IATA

Proper Shipping Name: Chemicals not otherwise indexed (NOI) nonhazardous.
 Hazard Class: Not applicable
 UN/NA: Not applicable
 Labels: Not applicable

15. REGULATORY INFORMATION**Hazard Classification****United States - OSHA (29 CFR 1910.1200):** Hazardous**Canada - WHMIS Classification (CPR, SOR/88-66):** Not controlled

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the M/SDS contains all the information required by the Controlled Products Regulations.

| Chemical name | WHMIS - Ingredient Disclosure |
|-----------------------------------|-------------------------------|
| Quartz (respirable) 14808-60-7 | 1 |

International Inventories

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory Complies
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List Complies
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances Complies
ENCS - Japan Existing and New Chemical Substances Complies
IECSC - China Inventory of Existing Chemical Substances Complies
KECL - Korean Existing and Evaluated Chemical Substances Complies
PICCS - Philippines Inventory of Chemicals and Chemical Substances Complies
AICS - Australian Inventory of Chemical Substances Complies
NZIoC - New Zealand Inventory of Chemicals Complies
TCSI - Taiwan Chemical Substance Inventory Complies

US Federal Regulations**TSCA Section 12(b) Export Regulations:**

This product does not contain any components that are subject to TSCA 12(b) Export Notification

SARA 311/312 Hazard Categories

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

Clean Air Act Amendments of 1990**(CAA, Section 112, 40 CFR 82):**

This product does not contain any components listed as a Hazardous Air Pollutant, Flammable Substance, Toxic Substance, or Class 1 or 2 Ozone Depletor.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations**California Proposition 65**

This product contains the following Proposition 65 chemicals.

| Chemical name | California Proposition 65 |
|---|---------------------------|
| Quartz (respirable) 14808-60-7 (<10) | Carcinogen |

U.S. State Right-to-Know Regulations

| Chemical name | New Jersey | Massachusetts | Pennsylvania |
|-----------------------------------|------------|---------------|--------------|
| Quartz (respirable) 14808-60-7 | X | X | X |

| |
|------------------------------|
| 16. OTHER INFORMATION |
|------------------------------|

The information contained in this Safety Data Sheet, as of the issue date, is believed to be true and correct. However, the accuracy or completeness of this information and any recommendations or suggestions are made without warranty or guarantee. Since the conditions of use are beyond the control of our company, it is the responsibility of the user to determine the conditions of safe use of this product. The information in this sheet does not represent analytical specifications; for this information contact Tersus Environmental.

Disclaimer: This 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. All recommendations for the use of our products, whether given by us, orally or to be implied from data or lab tests results by us, are based on the current state of our knowledge at the time those recommendations are made. When additional information is obtained, these recommendations may be updated. They may also be influenced by circumstances outside our control. Notwithstanding, such recommendation the user is responsible that the product as supplied by us is suitable to the process or purpose he intends to use it. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of this product. Since we cannot control the application, use or processing of the product, we do not accept responsibility. Therefore, the user should assure that the intended use of the product will not infringe in any party's intellectual property right.



919.453.5577 • info@tersusenv.com • tersus.com

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End of Safety Data Sheet