

SAFETY DATA SHEET

1. Identification

| Product identifier | PROTIVATE™ NU5-DRI |
|---------------------------------|-------------------------------------|
| Synonym | PROTIVATE™ NU5-DRI 0-5-0 |
| Recommended use | Seed Nutrition. |
| Recommended restrictions | None known. |
| Manufacturer/Importer/Supplier/ | Distributor information |
| Manufacturer/Supplier | Koch Agronomic Services, LLC |
| | 4111 E 37th St N |
| | Wichita, KS 67220 US |
| | kochmsds@kochind.com |
| | 1.866.863.5550 |
| Emergency | For Chemical Emergency |
| | Call CHEMTREC day or night |
| | USA/Canada - 1.800.424.9300 |
| | Mexico - 1.800.681.9531 |
| | Outside USA/Canada - 1.703.527.3887 |
| | (collect calls accepted) |
| | |

2. Hazard(s) identification

| Physical hazards | Not classified. | | |
|--|--|--|--|
| Health hazards | Serious eye damage/eye irritation | Category 1 | |
| | Specific target organ toxicity, repeated exposure | Category 2 (Brain) | |
| OSHA defined hazards | Combustible dust | | |
| Label elements | | | |
| Signal word | Danger | | |
| Hazard statement | May form combustible dust concentrations in air. Causes serious eye damage. May cause damage to organs (Brain) through prolonged or repeated exposure. | | |
| Precautionary statement | | | |
| Prevention | flames/hot surfaces No smoking. Keep con | sion hazard. Keep away from heat/sparks/open tainer tightly closed. Ground/bond container and ear eye protection/face protection. Observe good | |
| Response | 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. Take off contaminated clothing and wash it before reuse. In case of fire: Use appropriate media to extinguish. | | |
| Storage | Store away from incompatible materials. | | |
| 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 | | CAS number | % | |
|--|---|-------------------------------------|---------------------------|--|
| Plant Based Polysaccharide 9005-25-8 | | | 30 - 60 | |
| Manganese sulfate monohydrat | 9 | 10034-96-5 | < 15 | |
| Zinc Sulfate Monohydrate | | 7446-19-7 | < 10 | |
| Manganese dichloride | | 7773-01-5 | ≤ 3 | |
| Composition comments | All concentrations are in percent by weight u percent by volume. | nless ingredient is a gas. Gas | concentrations are in | |
| | This Safety Data Sheet is not a guarantee of on specified sales orders, customer invoices supplier. | | | |
| | Hydrated forms of chemical substances are exempt from the TSCA Inventory as anhydrous form of the chemical substances for the TSCA Inventory. | | ry as mixtures. See the | |
| 4. First-aid measures | | | | |
| Inhalation | Move to fresh air. Call a physician if symptor | ns develop or persist. | | |
| Skin contact | Wash off with soap and water. Get medical a | attention if irritation develops ar | nd persists. | |
| Eye contact | Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately. | | | |
| Ingestion | Rinse mouth. Get medical attention if sympto | oms occur. | | |
| Most important symptoms/effects, acute and delayed | Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Dusts may irritate the respiratory tract, skin and eyes. Coughing. Prolonged exposure may cause chronic effects. | | | |
| Indication of immediate medical attention and special treatment needed | Provide general supportive measures and tre Symptoms may be delayed. | eat symptomatically. Keep victi | m under observation. | |
| 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. | | | |
| 5. Fire-fighting measures | | | | |
| Suitable extinguishing media | Avoid high pressure media which could caus mixture. Water fog. Foam. Dry chemical pow carefully to avoid creating airborne dust. | | | |
| Unsuitable extinguishing media | Do not use water jet as an extinguisher, as the | his will spread the fire. | | |
| Specific hazards arising from the chemical | Explosion hazard: Avoid generating dust; fine dust dispersed in air in sufficient concentrations a in the presence of an ignition source is a potential dust explosion hazard. During fire, gases hazardous to health may be formed. | | | |
| Special protective equipment and precautions for firefighters | Self-contained breathing apparatus and full p | protective clothing must be wor | n in case of fire. | |
| Fire fighting equipment/instructions | In case of fire and/or explosion do not breath so without risk. | e fumes. Move containers fron | n fire area if you can de | |
| Specific methods | Use standard firefighting procedures and cor | nsider the hazards of other invo | olved materials. | |
| General fire hazards | May form combustible dust concentrations in | n air. | | |
| 6. Accidental release meas | ures | | | |
| Personal precautions, | Keep unnecessary personnel away. Keep pe | eople away from and upwind of | spill/leak. Use onlv | |

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Use only non-sparking tools. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Wear appropriate protective equipment and clothing during clean-up. Do not breathe dust. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. 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 | Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Collect dust using a vacuum cleaner equipped with HEPA filter. Stop the flow of material, if this is without risk. |
|--|---|
| | Large Spills: Wet down with water and dike for later disposal. Shovel the material into waste container. Following product recovery, flush area with water. |
| | Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal. Clean surface thoroughly to remove residual contamination. |
| | Never return spills to original containers for re-use. 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 | Minimize dust generation and accumulation. Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Keep away from heat/sparks/open flames/hot surfaces No smoking. Combustible dust clouds may be created where operations produce fine material (dust). Handling and processing operations should be conducted in accordance with 'best practices' (e.g. NFPA-654). Explosion-proof general and local exhaust ventilation. Do not breathe dust. Do not get this material in contact with eyes. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. |
| Conditions for safe storage, including any incompatibilities | Keep containers tightly closed in a dry, cool and well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). |

8. Exposure controls/personal protection

Occupational exposure limits

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

| Components | Туре | Value | Form |
|--|---------------|---|--|
| Iron oxide (CAS 1309-37-1) | PEL | 10 mg/m3 | Fume. |
| Manganese dichloride (CAS 7773-01-5) | Ceiling | 5 mg/m3 | |
| Manganese sulfate monohydrate (CAS 10034-96-5) | Ceiling | 5 mg/m3 | |
| Plant Based Polysaccharide (CAS 9005-25-8) | PEL | 5 mg/m3 | Respirable fraction. |
| | | 15 mg/m3 | Total dust. |
| Sodium molybdate dihydrate (CAS 10102-40-6) | PEL | 5 mg/m3 | |
| Zinc oxide (CAS 1314-13-2) | PEL | 5 mg/m3 | Fume. |
| | | 5 mg/m3 | Respirable fraction. |
| | | 15 mg/m3 | Total dust. |
| | | · • • | |
| US. OSHA Table Z-3 (29 CFR 1910. | 1000) | J | |
| US. OSHA Table Z-3 (29 CFR 1910. Components | 1000) Type | Value | Form |
| - | - | - | Form Respirable fraction. |
| Components | Туре | Value | |
| Components | Туре | Value 5 mg/m3 | Respirable fraction. |
| Components | Туре | Value 5 mg/m3 15 mg/m3 | Respirable fraction. Total dust. |
| Components | Туре | Value 5 mg/m3 15 mg/m3 50 mppcf | Respirable fraction. Total dust. Total dust. |
| Components Iron oxide (CAS 1309-37-1) Plant Based Polysaccharide | Type TWA | Value 5 mg/m3 15 mg/m3 50 mppcf 15 mppcf | Respirable fraction. Total dust. Total dust. Respirable fraction. |
| Components Iron oxide (CAS 1309-37-1) Plant Based Polysaccharide | Type TWA | Value 5 mg/m3 15 mg/m3 50 mppcf 15 mppcf 5 mg/m3 | Respirable fraction. Total dust. Total dust. Respirable fraction. Respirable fraction. |

| Components | Туре | Value | Form |
|--|---|-----------------------|----------------------|
| Zinc oxide (CAS 1314-13-2) | TWA | 5 mg/m3 | Respirable fraction. |
| | | 15 mg/m3 | Total dust. |
| | | 50 mppcf | Total dust. |
| | | 15 mppcf | Respirable fraction. |
| US. ACGIH Threshold Limit V | alues | | |
| Components | Туре | Value | Form |
| Iron oxide (CAS 1309-37-1) | TWA | 5 mg/m3 | Respirable fraction. |
| Manganese dichloride (CAS | TWA | 0.1 mg/m3 | Inhalable fraction. |
| 7773-01-5) | | 0.02 mg/m3 | Respirable fraction. |
| Manganese sulfate monohydrate (CAS 10034-96-5) | TWA | 0.1 mg/m3 | Inhalable fraction. |
| | | 0.02 mg/m3 | Respirable fraction. |
| Plant Based Polysaccharide (CAS 9005-25-8) | TWA | 10 mg/m3 | |
| Sodium molybdate dihydrate (CAS 10102-40-6) | TWA | 0.5 mg/m3 | Respirable fraction. |
| Zinc oxide (CAS 1314-13-2) | STEL | 10 mg/m3 | Respirable fraction. |
| | TWA | 2 mg/m3 | Respirable fraction. |
| US. NIOSH: Pocket Guide to | Chemical Hazards | | |
| Components | Туре | Value | Form |
| Iron oxide (CAS 1309-37-1) | TWA | 5 mg/m3 | Dust and fume. |
| Manganese dichloride (CAS 7773-01-5) | STEL | 3 mg/m3 | Fume. |
| | TWA | 1 mg/m3 | Fume. |
| Manganese sulfate monohydrate (CAS 10034-96-5) | STEL | 3 mg/m3 | Fume. |
| | TWA | 1 mg/m3 | Fume. |
| Plant Based Polysaccharide (CAS 9005-25-8) | TWA | 5 mg/m3 | Respirable. |
| | | 10 mg/m3 | Total |
| Zinc oxide (CAS 1314-13-2) | Ceiling | 15 mg/m3 | Dust. |
| | STEL | 10 mg/m3 | Fume. |
| | TWA | 5 mg/m3 | Fume. |
| | | 5 mg/m3 | Dust. |
| ogical limit values | No biological exposure limits noted for | or the ingredient(s). | |
| propriate engineering trols | Explosion-proof general and local exhaust ventilation. Good general ventilation 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. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). If engineering measures are not sufficient to maintain concentrations of dust particulates below the Occupational Exposure Limit (OEL), suitable respiratory protection must be worn. Use only appropriately classified electrical equipment and | | |

| Individual protection measures, such as personal protective equipment | | | |
|---|---|--|--|
| Eye/face protection | Chemical goggles are recommended. | | |
| Skin protection Hand protection | Wear appropriate chemical resistant gloves. | | |
| Skin protection Other | Wear suitable protective clothing. Use of an impervious apron is recommended. | | |
| Respiratory protection | Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. | | |
| Thermal hazards | Wear appropriate thermal protective clothing, when necessary. | | |
| General hygiene considerations | When using, do not eat, drink or 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 | |
| Physical state | Solid. |
| Form | Powder. |
| Color | Red |
| Odor | Not available. |
| Odor threshold | Not available. |
| рН | Not available. |
| Melting point/freezing point | Not available. |
| Initial boiling point and boiling range | Not available. |
| Flash point | Not available. |
| Evaporation rate | Not available. |
| Flammability (solid, gas) | Not available. |
| Upper/lower flammability or exp | |
| 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 | Not available. |
| Decomposition temperature | Not available. |
| Viscosity | Not available. |
| Other information | |
| Explosive properties | Not explosive. |
| Oxidizing properties | Not oxidizing. |
| 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 | No dangerous reaction known under conditions of normal use. |
| Conditions to avoid | Keep away from heat, sparks and open flame. Contact with incompatible materials. Minimize dust generation and accumulation. |
| Incompatible materials | Acids. |
| | |

11. Toxicological information

Information on likely routes of exposure

| Inhalation | Dust may irritate respiratory system. Prolonged inhalation may be harmful. | | |
|--|---|--|--|
| Skin contact | Dust or powder may irritate the skin. | | |
| Eye contact | Causes serious eye damage. | | |
| Ingestion | May cause discomfort if swallowed. | | |
| Symptoms related to the physical, chemical and toxicological characteristics | Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Dusts may irritate the respiratory tract, skin and eyes. Coughing. | | |

Information on toxicological effects

Acute toxicity

| Components | Species | Test Results | |
|---|--|-------------------------------|--|
| Manganese dichloride (CAS 7773- | 01-5) | | |
| <u>Acute</u> | | | |
| Oral | | | |
| LD50 | Rat | 236 mg/kg | |
| Manganese sulfate monohydrate (| CAS 10034-96-5) | | |
| Acute | | | |
| Oral | | | |
| LD50 | Rat | 2150 mg/kg | |
| Plant Based Polysaccharide (CAS | 9005-25-8) | | |
| Acute | | | |
| Dermal | | 5 5000 mg/kg | |
| LD50 | | > 5000 mg/kg | |
| Oral | | | |
| LD50 | | > 50000 mg/kg | |
| <u>Chronic</u> | | | |
| Other | | > 5000 mg/kg | |
| NOAEL | | > 5000 mg/kg | |
| Skin corrosion/irritation | Prolonged skin contact may cause temporary irritation. | | |
| Serious eye damage/eye irritation | Causes serious eye damage. | | |
| Respiratory or skin sensitization | 1 | | |
| 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 I | Evaluation of Carcinogenicity | | |
| Iron oxide (CAS 1309-37- NTP Report on Carcinogens | | to carcinogenicity to humans. | |
| Not listed. OSHA Specifically Regulate | d Substances (29 CFR 1910.1001-1053) | | |
| Not listed. | | | |
| Reproductive toxicity | This product is not expected to cause reproductive of | or developmental effects. | |
| Specific target organ toxicity - single exposure | Not classified. | | |
| Specific target organ toxicity - repeated exposure | May cause damage to organs (Brain) through prolor | nged or repeated exposure. | |

| Aspiration hazard | Not an aspiration hazard. |
|-------------------|---|
| Chronic effects | Prolonged inhalation may be harmful. May cause damage to organs through prolonged or repeated exposure. |

12. Ecological information

Ecotoxicity

Toxic to aquatic life with long lasting effects. Expected to be toxic to aquatic organisms. May cause long-term adverse effects in the environment. Based on available data, the classification criteria are not met for hazardous to the aquatic environment, acute hazard.

| | are not met i | or nazardous to the aquatic environment, | acute nazaro. | |
|--|--|--|--|--|
| Components | | Species | Test Results | |
| Zinc oxide (CAS 1314-13-2) | | | | |
| Aquatic | | | | |
| Crustacea | LC50 | Water flea (Daphnia magna) | 0.098 mg/l, 48 Hours | |
| Zinc Sulfate Monohydrate (C | AS 7446-19-7) | | | |
| Aquatic | | | | |
| Crustacea | EC50 | Water flea (Ceriodaphnia dubia) | 0.06 mg/l, 48 hours | |
| Fish | LC50 | Hirame, flounder (Paralichthys olivaceus) | < 10 mg/l, 96 hours | |
| Persistence and degradability | No data is av | ailable on the degradability of any ingred | lients in the mixture. | |
| Bioaccumulative potential | No data avai | lable. | | |
| Mobility in soil | No data avai | lable. | | |
| Other adverse effects | No data avai | lable. | | |
| 13. Disposal consideration | ons | | | |
| Disposal instructions | this material with chemica | | licensed waste disposal site. Do not allow ot contaminate ponds, waterways or ditches container in accordance with | |
| 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 | product resid | 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 | | | follow label warnings even after container is roved waste handling site for recycling or | |

14. Transport information

| DOT | |
|------------------------------|---|
| UN number | UN3077 |
| UN proper shipping name | Environmentally hazardous substances, solid, n.o.s. (Zinc oxide, Manganese sulfate monohydrate) |
| Transport hazard class(es) | |
| Class | 9 |
| Subsidiary risk | - |
| Label(s) | 9 |
| Packing group | III |
| Environmental hazards | |
| Marine pollutant | Yes |
| Special precautions for user | Read safety instructions, SDS and emergency procedures before handling. |
| | DOT (Road/Rail): Non-bulk shipments of this material are non-regulated for domestic ground transportation when they meet the requirements of 49 CFR 171.4(c). |
| Special provisions | 8, 146, 335, A112, B54, IB8, IP3, N20, T1, TP33 |
| Packaging exceptions | 155 |
| Packaging non bulk | 213 |
| Packaging bulk | 240 |

| ΙΑΤΑ | | | | | |
|---|--|-----------------------|---|--|--|
| UN number | UN3077 | | | | |
| UN proper shipping name Transport hazard class(es) | Environmentally hazardous substance, solid, n.o.s. (Zinc oxide, Manganese sulfate monohydrate) | | | | |
| Class | 9 | | | | |
| Subsidiary risk | - | | | | |
| Packing group | | | | | |
| Environmental hazards | Yes | | | | |
| ERG Code Special precautions for user | 9L Road safety instructions | S and omorgonov proc | oduros boforo handling | | |
| IMDG | Reau Salety Instructions, SL | o and emergency proc | edules belore handling. | | |
| UN number | UN3077 | | | | |
| UN proper shipping name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Zinc oxide, Manganese sulfate monohydrate) | | | | |
| Transport hazard class(es) | | | | | |
| Class | 9 | | | | |
| Subsidiary risk | - | | | | |
| Packing group | III | | | | |
| Environmental hazards | Vee | | | | |
| Marine pollutant EmS | Yes F-A, S-F | | | | |
| Special precautions for user | |)S and emergency proc | edures before handling | | |
| Transport in bulk according to | Not applicable. | | g. | | |
| Annex II of MARPOL 73/78 and | | | | | |
| the IBC Code | | | | | |
| 15. Regulatory information | | | | | |
| US federal regulations | This product is a "Hazardou Standard, 29 CFR 1910.120 | | by the OSHA Hazard Communication | | |
| TSCA Section 12(b) Expe | ort Notification (40 CFR 707 | ', Subpt. D) | | | |
| Not regulated. CERCLA Hazardous Sub | ostance List (40 CFR 302.4) | | | | |
| Manganese dichloride (CAS 7773-01-5)Listed.Manganese sulfate monohydrate (CAS 10034-96-5)Listed.Zinc oxide (CAS 1314-13-2)Listed.SARA 304 Emergency release notificationListed. | | | | | |
| | | | | | |
| Not regulated. OSHA Specifically Regul | lated Substances (29 CFR 1 | 910,1001-1053) | | | |
| Not listed. | | | | | |
| Toxic Substances Control A | ct (TSCA) All o | omponents on the TSC | A 8(b) inventory are designated "active". | | |
| Superfund Amendments and Rea | . , | • | | | |
| SARA 302 Extremely hazard | • | | | | |
| Not listed. | | | | | |
| SARA 311/312 Hazardous chemical | Yes | | | | |
| Classified hazard categories | Combustible dust Serious eye damage or eye irritation Specific target organ toxicity (single or repeated exposure) | | | | |
| SARA 313 (TRI reporting) | | | | | |
| Chemical name | CA | S number | % by wt. | | |
| Manganese dichloride | | 773-01-5 | ≤ 3 | | |
| Manganese sulfate monohydrate | | 0034-96-5 | < 15 | | |
| Zinc oxide Zinc Sulfate Monohydrate | | 314-13-2 446-19-7 | < 15 < 10 | | |
| Other federal regulations | 1 | | | | |

Other federal regulations

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

Manganese dichloride (CAS 7773-01-5)

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 Contains component(s) regulated under the Safe Drinking Water Act. **(SDWA)**

US state regulations

US. Massachusetts RTK - Substance List

Iron oxide (CAS 1309-37-1) Plant Based Polysaccharide (CAS 9005-25-8) Zinc oxide (CAS 1314-13-2) Zinc Sulfate Monohydrate (CAS 7446-19-7)

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

Iron oxide (CAS 1309-37-1) Manganese dichloride (CAS 7773-01-5) Manganese sulfate monohydrate (CAS 10034-96-5) Zinc oxide (CAS 1314-13-2) Zinc Sulfate Monohydrate (CAS 7446-19-7)

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

Iron oxide (CAS 1309-37-1) Manganese dichloride (CAS 7773-01-5) Manganese sulfate monohydrate (CAS 10034-96-5) Plant Based Polysaccharide (CAS 9005-25-8) Zinc oxide (CAS 1314-13-2) Zinc Sulfate Monohydrate (CAS 7446-19-7)

US. Rhode Island RTK

Iron oxide (CAS 1309-37-1) Plant Based Polysaccharide (CAS 9005-25-8) Zinc oxide (CAS 1314-13-2)

California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

International Inventories

| Country(s) or region | Inventory name On i | nventory (yes/no)* |
|-----------------------------------|--|--------------------|
| Australia | Australian Inventory of Industrial Chemicals (AICIS) | No |
| Canada | Domestic Substances List (DSL) | No |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | No |
| 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) | No |
| Korea | Existing Chemicals List (ECL) | No |
| New Zealand | New Zealand Inventory | Yes |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | No |
| Taiwan | Taiwan Chemical Substance Inventory (TCSI) | No |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |
| *A "Yes" indicates that all compo | nents of this product comply with the inventory requirements administered by the governing | country(s) |

*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 | 29-April-2022 |
|---------------|---------------|
| Revision date | - |
| Version # | 01 |

NFPA ratings

Disclaimer

Refer to:

OSHA 3371-08 2009, Hazard Communication Guidance for Combustible Dusts NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids



NOTICE: The information contained in this document is based on data considered to be accurate as of the preparation date of this Safety Data Sheet (SDS) and was prepared pursuant to applicable Government regulation(s). This SDS may not be used as a commercial specification sheet of manufacturer or seller, and no warranty or representation, expressed or implied, is made as to the accuracy or comprehensiveness of the above data and safety information, nor is any authorization given or implied to practice any patented invention without a license. Additional information may be needed to evaluate other uses of the product, including use of the product in combination with any materials or in any processes other than those specifically referenced. Information provided about any hazards that may be associated with the product is not meant to suggest that use of the product in a given application will necessarily result in any exposure or risk to workers or the general public. Purchasers and users of the product are responsible for determining that this product is suitable for the intended use and application. No responsibility can be assumed by vendor for any damage or injury resulting from failure to adhere to recommended uses, or from any hazards inherent to the product. Purchasers and users assume all risk of use, storage and handling of the product in compliance with applicable federal, state and local laws and regulations. Purchasers and users of the product should explicitly advise their employees, agents, contractors and customers who will use the product of this SDS.