



SAFETY DATA SHEET

1. Product and Company Identification

Product identifier	Garnet Sand
Other means of identification	Not available
Recommended use	Water Treatment Filter Media
Recommended restrictions	None known.
Manufacturer information	Pro Products LLC 7201 Engle Road Fort Wayne, IN 46804-5875 US Phone: 260-483-2519 Emergency Phone: 1-800-424-9300 (CHEMTREC)
Supplier	See above.

2. Hazards Identification

Physical hazards	Not classified.	
Health hazards	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2
	Specific target organ toxicity, single exposure	Category 3 respiratory tract irritation
Environmental hazards	Not classified.	
WHMIS 2015 defined hazards	Not classified	
Label elements		



Signal word	Warning
Hazard statement	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.
Precautionary statement	
Prevention	Wash thoroughly after handling. Wear protective gloves. Wear eye protection/face protection. Use only outdoors or in a well-ventilated area.
Response	IF ON SKIN: Wash with plenty of water. Specific treatment (see information on this label). If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
Storage	Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
WHMIS 2015: Health Hazard(s) not otherwise classified (HHNOC)	None known
WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC)	None known
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	None.

3. Composition/Information on Ingredients

Mixture

Chemical name	Common name and synonyms	CAS number	%
Aluminum oxide		1344-28-1	10-30*
Calcium oxide		1305-78-8	0.5-1.5*

Chemical name	Common name and synonyms	CAS number	%
Ferric oxide		1309-37-1	15-40*
Magnesium oxide		1309-48-4	5-10*
Manganese oxide (Mn3O4)		1317-35-7	0.5-1.5*
Silica		7631-86-9	15-40*

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

Composition comments US GHS: The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.
*CANADA GHS: The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First Aid Measures

Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Skin contact	IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Specific treatment (see information on this label). Take off contaminated clothing and wash it before reuse.
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	Rinse mouth. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious or is convulsing. Obtain medical attention.
Most important symptoms/effects, acute and delayed	Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Wear impervious gloves and safety glasses. Keep out of reach of children.

5. Fire Fighting Measures

Suitable extinguishing media	Treat for surrounding material.
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	Firefighters should wear a self-contained breathing apparatus.
Special protective equipment and precautions for firefighters	Firefighters should wear full protective clothing including self-contained breathing apparatus.
Fire-fighting equipment/instructions	In the event of fire, cool tanks with water spray. Cool containers with flooding quantities of water until well after fire is out.
Specific methods	Cool containers exposed to flames with water until well after the fire is out.
General fire hazards	No unusual fire or explosion hazards noted.
Hazardous combustion products	May include and are not limited to: Oxides of aluminum.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep out of low areas. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. 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	Stop the flow of material, if this is without risk. Absorb with inert absorbent. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. 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	Use only with adequate ventilation. Avoid breathing dust. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Wash thoroughly after handling. Do not get in eyes, on skin or on clothing. Keep container tightly closed.
Conditions for safe storage, including any incompatibilities	Store locked up. Store in a closed container away from incompatible materials. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure Controls/Personal Protection

Occupational exposure limits

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

Components	Type	Value	Form
Aluminum oxide (CAS 1344-28-1)	TWA	10 mg/m ³	
Calcium oxide (CAS 1305-78-8)	TWA	2 mg/m ³	
Ferric oxide (CAS 1309-37-1)	TWA	5 mg/m ³	Respirable.
Magnesium oxide (CAS 1309-48-4)	TWA	10 mg/m ³	Fume.
Manganese oxide (Mn ₃ O ₄) (CAS 1317-35-7)	TWA	0.2 mg/m ³	

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

Components	Type	Value	Form
Calcium oxide (CAS 1305-78-8)	TWA	2 mg/m ³	
Ferric oxide (CAS 1309-37-1)	TWA	10 mg/m ³	Fume.
		5 mg/m ³	Dust.
		5 mg/m ³	Fume.
		3 mg/m ³	Respirable fraction.
Magnesium oxide (CAS 1309-48-4)	TWA	10 mg/m ³	Total dust.
		10 mg/m ³	Respirable dust and/or fume.
		3 mg/m ³	Respirable dust and/or fume.
Manganese oxide (Mn ₃ O ₄) (CAS 1317-35-7)	TWA	10 mg/m ³	Inhalable fume.
		0.2 mg/m ³	
Silica (CAS 7631-86-9)	TWA	4 mg/m ³	Total
		1.5 mg/m ³	Respirable.

Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)

Components	Type	Value	Form
Aluminum oxide (CAS 1344-28-1)	TWA	1 mg/m ³	Respirable fraction.
Calcium oxide (CAS 1305-78-8)	TWA	2 mg/m ³	
Ferric oxide (CAS 1309-37-1)	TWA	5 mg/m ³	Respirable fraction.
Magnesium oxide (CAS 1309-48-4)	TWA	10 mg/m ³	Inhalable fraction.
Manganese oxide (Mn ₃ O ₄) (CAS 1317-35-7)	TWA	0.1 mg/m ³	Inhalable fraction.
		0.02 mg/m ³	Respirable fraction.

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

Components	Type	Value	Form
Calcium oxide (CAS 1305-78-8)	TWA	2 mg/m ³	
Ferric oxide (CAS 1309-37-1)	TWA	5 mg/m ³	Respirable fraction.

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

Components	Type	Value	Form
Magnesium oxide (CAS 1309-48-4)	TWA	10 mg/m3	Inhalable fraction.
Manganese oxide (Mn3O4) (CAS 1317-35-7)	TWA	0.2 mg/m3	

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

Components	Type	Value	Form
Aluminum oxide (CAS 1344-28-1)	TWA	10 mg/m3	Total dust.
Calcium oxide (CAS 1305-78-8)	TWA	2 mg/m3	
Ferric oxide (CAS 1309-37-1)	TWA	5 mg/m3	Dust and fume.
		10 mg/m3	Total dust.
Magnesium oxide (CAS 1309-48-4)	TWA	10 mg/m3	Fume.
Manganese oxide (Mn3O4) (CAS 1317-35-7)	TWA	1 mg/m3	
Silica (CAS 7631-86-9)	TWA	6 mg/m3	Respirable dust.

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

Components	Type	Value	Form
Aluminum oxide (CAS 1344-28-1)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
Calcium oxide (CAS 1305-78-8)	PEL	5 mg/m3	
Ferric oxide (CAS 1309-37-1)	PEL	10 mg/m3	Fume.
Magnesium oxide (CAS 1309-48-4)	PEL	15 mg/m3	Total particulate.
Manganese oxide (Mn3O4) (CAS 1317-35-7)	Ceiling	5 mg/m3	

US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value	Form
Aluminum oxide (CAS 1344-28-1)	TWA	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
		50 mppcf	Total dust.
		15 mppcf	Respirable fraction.
Ferric oxide (CAS 1309-37-1)	TWA	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
		50 mppcf	Total dust.
		15 mppcf	Respirable fraction.
Magnesium oxide (CAS 1309-48-4)	TWA	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
		50 mppcf	Total dust.
		15 mppcf	Respirable fraction.
Silica (CAS 7631-86-9)	TWA	0.8 mg/m3	
		20 mppcf	

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Aluminum oxide (CAS 1344-28-1)	TWA	1 mg/m3	Respirable fraction.
Calcium oxide (CAS 1305-78-8)	TWA	2 mg/m3	
Ferric oxide (CAS 1309-37-1)	TWA	5 mg/m3	Respirable fraction.

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Magnesium oxide (CAS 1309-48-4)	TWA	10 mg/m3	Inhalable fraction.
Manganese oxide (Mn3O4) (CAS 1317-35-7)	TWA	0.1 mg/m3	Inhalable fraction.
		0.02 mg/m3	Respirable fraction.

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
Calcium oxide (CAS 1305-78-8)	TWA	2 mg/m3	
Ferric oxide (CAS 1309-37-1)	TWA	5 mg/m3	Dust and fume.
Manganese oxide (Mn3O4) (CAS 1317-35-7)	STEL	3 mg/m3	Fume.
	TWA	1 mg/m3	Fume.
Silica (CAS 7631-86-9)	TWA	6 mg/m3	

Biological limit values

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

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Safety glasses or goggles.

Skin protection**Hand protection**

Rubber gloves. Confirm with a reputable supplier first.

Other

Wear appropriate chemical resistant clothing. As required by employer code.

Respiratory protection

Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

Thermal hazards

Not applicable.

General hygiene considerations

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. When using do not eat or drink. Use good industrial hygiene practices in handling this material.

9. Physical and Chemical Properties

Appearance	Crystalline.
Physical state	Solid.
Form	Solid. Particles
Color	dark brown to Light brown
Odor	Not available.
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	2399 °F (1315 °C)
Initial boiling point and boiling range	Not available.
Pour point	Not available.
Specific gravity	3.8 - 3.9
Partition coefficient (n-octanol/water)	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.

Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	Insoluble
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.

10. Stability and Reactivity

Reactivity	This product may react with strong oxidizing agents.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Avoid dust generation.
Incompatible materials	Acids. Oxidizers.
Hazardous decomposition products	May include and are not limited to: Oxides of aluminum.

11. Toxicological Information

Routes of exposure	Eye, Skin contact, Inhalation, Ingestion.
Information on likely routes of exposure	
Ingestion	Not available.
Inhalation	Prolonged inhalation may be harmful. May cause irritation to the respiratory system.
Skin contact	Causes skin irritation.
Eye contact	Causes serious eye irritation.
Symptoms related to the physical, chemical and toxicological characteristics	Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

Information on toxicological effects

Acute toxicity May cause respiratory irritation.

Components	Species	Test Results
Aluminum oxide (CAS 1344-28-1)		
Acute		
<i>Dermal</i>		
LD50	Not available	
<i>Inhalation</i>		
LC50	Rat	> 10 mg/L, 4 Hours, ECHA > 2.3 mg/L, 4 Hours, ECHA > 0.9 mg/L, 4 Hours 7.6 mg/L, 1 Hours
<i>Oral</i>		
LD50	Rat	> 15900 mg/kg, 14 days, ECHA > 10000 mg/kg, Sigma Aldrich > 2000 mg/kg, ECHA 5000 mg/kg, EMD Millipore
Calcium oxide (CAS 1305-78-8)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 5000 mg/kg, 24 Hours, ECHA > 2500 mg/kg, 24 Hours, ECHA
<i>Inhalation</i>		
LC50	Rat	1026 mg/m ³ , 1 Hours, ECHA 160 mg/m ³ , 4 Hours, ECHA

Components	Species	Test Results
		40 mg/m3, 4 Hours, ECHA
<i>Oral</i> LD50	Mouse	>= 7300 mg/kg, ECHA >= 3059 mg/kg, ECHA 2045 mg/kg, ECHA 1940 mg/kg, ECHA
	Rat	> 2000 mg/kg, ECHA >= 8500 mg/kg, ECHA >= 7340 mg/kg, ECHA >= 3990 mg/kg, ECHA >= 3870 mg/kg, ECHA 790 mg/kg
Ferric oxide (CAS 1309-37-1)		
Acute		
<i>Dermal</i> LD50	Not available	
<i>Inhalation</i> LC50	Not available	
<i>Oral</i> LD50	Rat	> 10000 mg/kg, ECHA > 5000 mg/kg, ECHA
Magnesium oxide (CAS 1309-48-4)		
LC50		
<i>Inhalation</i> LC50	Not available	
LD50		
<i>Oral</i> LD50	Rat	3990 mg/kg
Manganese oxide (Mn3O4) (CAS 1317-35-7)		
Acute		
<i>Dermal</i> LD50	Not available	
<i>Inhalation</i> LC50	Not available	
	Rat	> 5.2 mg/L, 4 Hours
<i>Oral</i> LD50	Not available	
	Rat	> 2000 mg/kg
Silica (CAS 7631-86-9)		
Acute		
<i>Dermal</i> LD50	Rabbit	> 2000 mg/kg > 2000 mg/kg, 24 Hours
<i>Inhalation</i> LC50	Not available	
	Rat	> 2.1 mg/L, 4 Hours
<i>Oral</i> LD50	Mouse	> 3160 mg/kg
	Rat	> 5000 mg/kg > 3300 mg/kg
Skin corrosion/irritation	Causes skin irritation.	

Exposure minutes	Not available.
Erythema value	Not available.
Oedema value	Not available.
Serious eye damage/eye irritation	Causes serious eye irritation.
Corneal opacity value	Not available.
Iris lesion value	Not available.
Conjunctival reddening value	Not available.
Conjunctival oedema value	Not available.
Recover days	Not available.

Respiratory or skin sensitization

Canada - Alberta OELs: Irritant

Calcium oxide (CAS 1305-78-8) Irritant

Respiratory sensitization Not available.

Skin sensitization Causes irritation.

Mutagenicity Non-hazardous by WHMIS/OSHA criteria.

Carcinogenicity Non-hazardous by WHMIS/OSHA criteria.

IARC Monographs. Overall Evaluation of Carcinogenicity

Ferric oxide (CAS 1309-37-1) Volume 1, Supplement 7 - 3 Not classifiable as to carcinogenicity to humans.

Silica (CAS 7631-86-9) Volume 68 - 3 Not classifiable as to carcinogenicity to humans.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity Non-hazardous by WHMIS/OSHA criteria.

Teratogenicity Non-hazardous by WHMIS/OSHA criteria.

Specific target organ toxicity - single exposure Respiratory tract irritation.

Specific target organ toxicity - repeated exposure Not classified.

Aspiration hazard Not available.

Chronic effects Prolonged inhalation may be harmful.

12. Ecological Information

Ecotoxicity See below

Ecotoxicological data

Components	Species	Test Results
Silica (CAS 7631-86-9)		
Algae	IC50 Algae	440 mg/L, 72 Hours
Crustacea	EC50 Daphnia	7600 mg/L, 48 Hours

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential No data available.

Mobility in soil No data available.

Mobility in general Not 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 Considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code 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

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport Information

Transport of Dangerous Goods (TDG) Proof of Classification Classification Method: Classified as per Part 2, Sections 2.1 – 2.8 of the Transportation of Dangerous Goods Regulations. If applicable, the technical name and the classification of the product will appear below.

U.S. Department of Transportation (DOT)

Not regulated as dangerous goods.

Transportation of Dangerous Goods (TDG - Canada)

Not regulated as dangerous goods.

15. Regulatory Information

Canadian federal regulations This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

Canada CEPA Schedule I: Listed substance

Aluminum oxide (CAS 1344-28-1)	Listed.
Ferric oxide (CAS 1309-37-1)	Listed.
Magnesium oxide (CAS 1309-48-4)	Listed.

Canada Priority Substances List (Second List): Listed substance

Aluminum oxide (CAS 1344-28-1)	Listed.
Ferric oxide (CAS 1309-37-1)	Listed.
Magnesium oxide (CAS 1309-48-4)	Listed.

Export Control List (CEPA 1999, Schedule 3)

Not listed.

Greenhouse Gases

Not listed.

Precursor Control Regulations

Not regulated.

WHMIS 2015 Exemptions Not applicable

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

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

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Manganese oxide (Mn3O4) (CAS 1317-35-7)	Listed.
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US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - Yes
Delayed Hazard - Yes
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance No

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
Aluminum oxide	1344-28-1	10-30*
Manganese oxide (Mn3O4)	1317-35-7	0.5-1.5*

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

Manganese oxide (Mn3O4) (CAS 1317-35-7)

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

Not regulated.

US state regulations**US - California Hazardous Substances (Director's): Listed substance**

Aluminum oxide (CAS 1344-28-1)	Listed.
Calcium oxide (CAS 1305-78-8)	Listed.

Ferric oxide (CAS 1309-37-1) Listed.
 Magnesium oxide (CAS 1309-48-4) Listed.
 Manganese oxide (Mn3O4) (CAS 1317-35-7) Listed.
 Silica (CAS 7631-86-9) Listed.

US - Illinois Chemical Safety Act: Listed substance

Manganese oxide (Mn3O4) (CAS 1317-35-7)

US - Louisiana Spill Reporting: Listed substance

Manganese oxide (Mn3O4) (CAS 1317-35-7) Listed.

US - Minnesota Haz Subs: Listed substance

Aluminum oxide (CAS 1344-28-1) Listed.
 Calcium oxide (CAS 1305-78-8) Listed.
 Ferric oxide (CAS 1309-37-1) Listed.
 Magnesium oxide (CAS 1309-48-4) Listed.
 Manganese oxide (Mn3O4) (CAS 1317-35-7) Listed.
 Silica (CAS 7631-86-9) Listed.

US - New Jersey RTK - Substances: Listed substance

Aluminum oxide (CAS 1344-28-1)
 Calcium oxide (CAS 1305-78-8)
 Ferric oxide (CAS 1309-37-1)
 Magnesium oxide (CAS 1309-48-4)
 Manganese oxide (Mn3O4) (CAS 1317-35-7)
 Silica (CAS 7631-86-9)

US - North Carolina Toxic Air Pollutants: Listed substance

Manganese oxide (Mn3O4) (CAS 1317-35-7)

US - Texas Effects Screening Levels: Listed substance

Aluminum oxide (CAS 1344-28-1) Listed.
 Calcium oxide (CAS 1305-78-8) Listed.
 Ferric oxide (CAS 1309-37-1) Listed.
 Magnesium oxide (CAS 1309-48-4) Listed.
 Manganese oxide (Mn3O4) (CAS 1317-35-7) Listed.
 Silica (CAS 7631-86-9) Listed.

US. Massachusetts RTK - Substance List

Aluminum oxide (CAS 1344-28-1)
 Calcium oxide (CAS 1305-78-8)
 Ferric oxide (CAS 1309-37-1)
 Magnesium oxide (CAS 1309-48-4)
 Manganese oxide (Mn3O4) (CAS 1317-35-7)
 Silica (CAS 7631-86-9)

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

Aluminum oxide (CAS 1344-28-1)
 Manganese oxide (Mn3O4) (CAS 1317-35-7)

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

Aluminum oxide (CAS 1344-28-1)
 Calcium oxide (CAS 1305-78-8)
 Ferric oxide (CAS 1309-37-1)
 Magnesium oxide (CAS 1309-48-4)
 Manganese oxide (Mn3O4) (CAS 1317-35-7)
 Silica (CAS 7631-86-9)

US. Rhode Island RTK

Aluminum oxide (CAS 1344-28-1)
 Calcium oxide (CAS 1305-78-8)
 Ferric oxide (CAS 1309-37-1)
 Magnesium oxide (CAS 1309-48-4)
 Manganese oxide (Mn3O4) (CAS 1317-35-7)

US. 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.

Inventory status

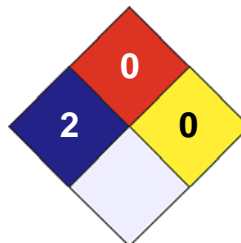
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

HEALTH	/ 2
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X



Disclaimer

The data contained in this material safety data sheet was obtained from sources that were technically accurate, reliable, and state of the art when this document was prepared. If data was unavailable to complete certain sections, the absence of that data is identified in this document. Because the supplier cannot know the exact circumstances during actual use of this product, other hazards, exposure scenarios, disposal considerations, and regulations may apply and it is the responsibility of the user to read and understand the product label and this document before use. Do not use the product for purposes other than those stated in Section 1.

Issue date

13-August-2018

Version

02

Effective date

13-August-2018

Prepared by

Dell Tech Laboratories, Ltd. Phone: (519) 858-5021

Other information

For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.

Redbook revision # 2, 8/11/16