SAFETY DATA SHEET



1. Product and Company Identification

Product identifier HOPPER THROTTLE SOYBEAN

Other means of identification Not available

Recommended use Seed flow lubricant, corn inoculant and phosphorus mobilizer

Recommended restrictions None known.

Manufacturer information Meristem Crop Performance

489 Village Park Dr. Powell, OH 43065

Customer Service: 833-637-4783

24 hour emergency number | National Capital Poison Center: 800-222-1222

2. Hazards Identification

Physical hazardsCombustible dustsCategory 1Health hazardsCarcinogenicityCategory 1A

Specific target organ toxicity, repeated Category 1

exposure

Environmental hazards Not classified.

WHMIS 2015 defined hazards Not classified

Label elements



Signal word Danger

Hazard statement May cause cancer.

Causes damage to organs through prolonged or repeated exposure.

May form combustible dust concentrations in air.

Precautionary statement

Prevention Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Do not breathe dust.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Wear protective gloves, protective clothing, eye protection and face protection.

Response IF exposed or concerned: Get medical attention.

Storage Store locked up.

Disposal Dispose of container in accordance with local, regional, national and international regulations.

WHMIS 2015: Health Hazard(s)

not otherwise classified

(HHNOC)

None known

None known

WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC)

Hazard(s) not otherwise

classified (HNOC)

None known.

Supplemental information OSHA Defined Hazard: Combustible Dust

3. Composition/Information on Ingredients

Mixture

Chemical name	Common name and synonyms	CAS number	%
Bradyrhizobium			< 0.1
Ferric oxide		1309-37-1	< 0.1

#30372 Page: 1 of 11 Issue date 18-March-2019

Chemical name	Common name and synonyms	CAS number	%
Crystalline silica		14808-60-7	10 - 30 *
Graphite		7782-42-5	1 - 5 *
Manganese oxide (MnO)		1344-43-0	0.1 - 1 *
Talc		14807-96-6	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 symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

Skin contact Brush away excess of dry material. Flush with water. Obtain medical attention if irritation persists.

Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical Eye contact

attention if irritation persists.

Ingestion Rinse mouth. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to

Direct contact with eyes may result in mechanical irritation.

Dusts may irritate the respiratory tract, skin and eyes.

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

Indication of immediate

medical attention and special treatment needed

Prolonged exposure may cause chronic effects. Symptoms may be delayed.

General information

IF exposed or concerned: Get medical advice. 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. Keep out of reach of children.

Avoid high pressure media which could cause the formation of a potentially explosible dust-air

5. Fire Fighting Measures

Water fog. Foam. Dry chemical powder. Carbon dioxide.

Suitable extinguishing media

Unsuitable extinguishing

mixture. None known.

Specific hazards arising from the chemical

Special protective equipment

and precautions for firefighters

Fire-fighting equipment/instructions

Specific methods

General fire hazards

Hazardous combustion products

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

so without risk. Use standard firefighting procedures and consider the hazards of other involved materials.

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do

No unusual fire or explosion hazards noted.

May include and are not limited to: Oxides of carbon. Oxides of aluminum. Oxides of calcium.

Oxides of iron. Oxides of silicon. Oxides of magnesium. Oxides of manganese.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. 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. 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). The product is immiscible with water and will spread on the water surface. Sweep up or vacuum up spillage and collect in suitable container for disposal. Collect dust using a vacuum cleaner equipped with HEPA filter. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.

Environmental precautions

Do not discharge into lakes, streams, ponds or public waters.

7. Handling and Storage

Precautions for safe handling

Minimize dust generation and accumulation. 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. Explosion-proof general and local exhaust ventilation.

Provide appropriate exhaust ventilation at places where dust is formed.

Do not breathe dust. Avoid prolonged exposure.

Wear appropriate personal protective equipment.

Wash thoroughly after handling.

When using, do not eat, drink or smoke.

Conditions for safe storage, including any incompatibilities

Store locked up.

Store in a cool, dry place out of direct sunlight.

Keep containers tightly closed in a dry, cool and well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

Keep out of reach of children.

8. Exposure Controls/Personal Protection

Occupational exposure limits

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

Components	Type	Value	Form
Crystalline silica (CAS 14808-60-7)	TWA	0.025 mg/m3	Respirable particles.
Ferric oxide (CAS 1309- 37-1)	TWA	5 mg/m3	Respirable.
Graphite (CAS 7782-42-5)	TWA	2 mg/m3	Respirable.
Manganese oxide (MnO) (CAS 1344-43-0)	TWA	0.2 mg/m3	
Talc (CAS 14807-96-6)	TWA	2 mg/m3	Respirable particles.

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

Components	Туре	Value	Form
Crystalline silica (CAS 14808-60-7)	TWA	0.025 mg/m3	Respirable fraction.
Ferric oxide (CAS 1309-37-1)	STEL	10 mg/m3	Fume.
	TWA	5 mg/m3	Fume.
		5 mg/m3	Dust.
		3 mg/m3	Respirable fraction.
		10 mg/m3	Total dust.
Graphite (CAS 7782-42-5)	TWA	2 mg/m3	Respirable.
Manganese oxide (MnO) (CAS 1344-43-0)	TWA	0.2 mg/m3	
Talc (CAS 14807-96-6)	TWA	2 mg/m3	Respirable.

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

Components	Туре	Value	Form
Crystalline silica (CAS 14808-60-7)	TWA	0.025 mg/m3	Respirable fraction.
Ferric oxide (CAS 1309- 37-1)	TWA	5 mg/m3	Respirable fraction.
Graphite (CAS 7782-42-5)	TWA	2 mg/m3	Respirable fraction.
Manganese oxide (MnO) (CAS 1344-43-0)	TWA	0.1 mg/m3	Inhalable fraction.
,		0.02 mg/m3	Respirable fraction.
Talc (CAS 14807-96-6)	TWA	2 mg/m3	Respirable fraction.

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

Components	Туре	Value	Form
Crystalline silica (CAS 14808-60-7)	TWA	0.1 mg/m3	Respirable fraction.

Canada. Ontario OELs. (Control of Exp Components	Type	Value	Form
erric oxide (CAS 309-37-1)	TWA	5 mg/m3	Respirable fraction.
raphite (CAS 7782-42-5)	TWA	2 mg/m3	Respirable fraction.
anganese oxide (MnO) CAS 1344-43-0)	TWA	0.2 mg/m3	
alc (CAS 14807-96-6)	TWA	2 fibers/ml 2 mg/m3	Respirable fraction.
anada. Quebec OELs. (Ministry of La	bor - Regulation Respecting	g the Quality of the Work Env Value	rironment) Form
crystalline silica (CAS 4808-60-7)	TWA	0.1 mg/m3	Respirable dust.
Ferric oxide (CAS 309-37-1)	TWA	5 mg/m3	Dust and fume.
		10 mg/m3	Total dust.
Graphite (CAS 7782-42-5)	TWA	2 mg/m3	Respirable dust.
langanese oxide (MnO) CAS 1344-43-0)	TWA	5 mg/m3	Dust.
alc (CAS 14807-96-6)	TWA	3 mg/m3	Respirable dust.
JS. OSHA Table Z-1 Limits for Air Con	=		Form
Components	Type	Value	
Crystalline silica (CAS 4808-60-7)	PEL	0.05 mg/m3	Respirable dust.
Ferric oxide (CAS 1309- 17-1)	PEL	10 mg/m3	Fume.
Graphite (CAS 7782-42-5)	PEL	5 mg/m3 15 mg/m3	Respirable fraction. Total dust.
Manganese oxide (MnO) CAS 1344-43-0)	Ceiling	5 mg/m3	
JS. OSHA Table Z-3 (29 CFR 1910.100) Components	0) Type	Value	Form
Crystalline silica (CAS	TWA	0.1 mg/m3	Respirable.
4808-60-7)		2.4 mppcf	Respirable.
Ferric oxide (CAS	TWA	5 mg/m3	Respirable fraction.
309-37-1)		15 mg/m3 50 mppcf	Total dust. Total dust.
		15 mppcf	Respirable fraction.
Graphite (CAS 7782-42-5)	TWA	15 mppcf	
Гalc (CAS 14807-96-6)	TWA	0.1 mg/m3 20 mppcf 2.4 mppcf	Respirable.
JS. ACGIH Threshold Limit Values			
Components	Туре	Value	Form
Crystalline silica (CAS 4808-60-7)	TWA	0.025 mg/m3	Respirable fraction.
Ferric oxide (CAS 1309- 37-1)	TWA	5 mg/m3	Respirable fraction.
Graphite (CAS 7782-42-5)	TWA	2 mg/m3	Respirable fraction.
/langanese oxide (MnO) CAS 1344-43-0)	TWA	0.1 mg/m3	Inhalable fraction.
		0.02 mg/m3	Respirable fraction.
alc (CAS 14807-96-6)	TWA	2 mg/m3	Respirable fraction.
	Hazards		
JS. NIOSH: Pocket Guide to Chemical Components	Туре	Value	Form

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Туре	Value	Form	
Ferric oxide (CAS 1309-37-1)	TWA	5 mg/m3	Dust and fume.	
Graphite (CAS 7782-42-5)	TWA	2.5 mg/m3	Respirable.	
Manganese oxide (MnO) (CAS 1344-43-0)	STEL	3 mg/m3	Fume.	
	TWA	1 mg/m3	Fume.	
Talc (CAS 14807-96-6)	TWA	2 mg/m3	Respirable.	

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

Occupational exposure to nuisance dust (total and respirable) and respirable crystalline silica **Exposure guidelines**

should be monitored and controlled.

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. If engineering measures are not sufficient to maintain concentrations of dust particulates below the

Occupational Exposure Limit (OEL), suitable respiratory protection must be worn.

Individual protection measures, such as personal protective equipment

Wear safety glasses with side shields (or goggles). Eye/face protection

Skin protection

Hand protection Rubber gloves. Confirm with a reputable supplier first.

Other Not available.

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

Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134),

CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).

Thermal hazards Not applicable.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks

and immediately after handling the product. When using, do not eat, drink or smoke.

9. Physical and Chemical Properties

Appearance Powder. Solid. Physical state **Form** Powder Color Black Not available. Odor

Not available. **Odor threshold** Not available. pН Not available. Melting point/freezing point Initial boiling point and boiling Not available. range

Pour point Not available.

2.8 Specific gravity

Partition coefficient (n-octanol/water)

Not available.

Not available. Flash point Not available. **Evaporation rate** Flammability (solid, gas) Not available.

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 Vapor density

Not available Not available. Relative density

Solubility(ies)

Auto-ignition temperature

Decomposition temperature

Viscosity

Not available.

Not available.

Not available.

Other information

Explosive properties None known. **Oxidizing properties** Not oxidizing.

10. Stability and Reactivity

Reactivity May react with incompatible materials.

Possibility of hazardous

reactions

Hazardous polymerization does not occur.

Chemical stability Material is stable under normal conditions.

Conditions to avoid Keep away from heat, sparks and open flame. Minimize dust generation and accumulation.

Incompatible materials Acids. Powerful oxidizers. Phosphorus. Chlorine.

Hazardous decomposition

products

May include and are not limited to: Oxides of manganese. Oxides of magnesium. Oxides of iron.

Silica. Calcium oxide Oxides of aluminum.

11. Toxicological Information

Routes of exposure Eye, Skin contact, Inhalation, Ingestion.

Information on likely routes of exposure

Ingestion May cause stomach distress, nausea or vomiting.

Inhalation May cause damage to organs through prolonged or repeated exposure by inhalation.

Dust may irritate respiratory system.

Skin contact Dust or powder may irritate the skin.

Eye contact Dust may irritate the eyes.

Symptoms related to the physical, chemical and toxicological characteristics

Dusts may irritate the respiratory tract, skin and eyes. Coughing.

Information on toxicological effects

Acute toxicity

Components Species Test Results

Crystalline silica (CAS 14808-60-7)

AcuteDermal

LD50 Not available

Inhalation

LC50 Not available

Oral

LD50 Rat 500 mg/kg, HSDB, IV only

Ferric oxide (CAS 1309-37-1)

Acute Dermal

LD50 Not available

Inhalation

LC50 Not available

Oral

LD50 Rat > 10000 mg/kg, ECHA

> 5000 mg/kg, ECHA

Graphite (CAS 7782-42-5)

Acute Dermal

Domai

LD50 Not available

Inhalation

LC50 Rat > 2000 mg/m3, 4 Hours, ECHA

#30372 Page: 6 of 11 Issue date 18-March-2019

Test Results Components **Species** Oral LD50 > 2000 mg/kg, ECHA Rat Manganese oxide (MnO) (CAS 1344-43-0) Acute Dermal LD50 Not available Inhalation LC50 Rat > 5.4 mg/L, 4 Hours > 5.3 mg/l/4h, ECHA Oral LD50 Rat > 2000 mg/kg, ECHA Talc (CAS 14807-96-6) Acute Dermal LD50 Rat > 2000 mg/kg, ECHA Inhalation

LC50 Rat > 2.1 mg/L, 4 h, ECHA

Oral

LD50 Rat > 5000 mg/kg, ECHA

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.

Exposure minutesNot available.Erythema valueNot available.Oedema valueNot available.

Serious eye damage/eye

irritation

Direct contact with eyes may cause temporary irritation.

Corneal opacity valueNot available.Iris lesion valueNot available.Conjunctival reddeningNot available.

value

Conjunctival oedema value Not available.

Recover days Not available.

Respiratory or skin sensitization

Canada - Alberta OELs: Irritant

Calcium oxide (CAS 1305-78-8) Irritant Limestone (CAS 1317-65-3) Irritant

Respiratory sensitization

Not a respiratory sensitizer.

Skin sensitization

This product is not expected to cause skin sensitization.

Mutagenicity

No data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Carcinogenicity May cause cancer.

In 1997, IARC (the International Agency for Research on Cancer) concluded that crystalline silica inhaled from occupational sources can cause lung cancer in humans. However in making the overall evaluation, IARC noted that "carcinogenicity was not detected in all industrial circumstances studied. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs." (IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans, Silica, silicates dust and organic fibres, 1997, Vol. 68, IARC, Lyon, France.)

In June 2003, SCOEL (the EU Scientific Committee on Occupational Exposure Limits) concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis. "There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore, preventing the onset of silicosis will also reduce the cancer risk..." (SCOEL SUM Doc 94-final, June 2003)

Occupational exposure to respirable dust and respirable crystalline silica should be monitored and controlled.

ACGIH Carcinogens

Crystalline silica (CAS 14808-60-7) A2 Suspected human carcinogen.

Canada - Alberta OELs: Carcinogen category

Crystalline silica (CAS 14808-60-7) Suspected human carcinogen.

Canada - Manitoba OELs: carcinogenicity

SILICA, CRYSTALLINE-.ALPHA.-QUARTZ, Suspected human carcinogen.

RESPIRABLE FRACTION (CAS 14808-60-7) Canada - Quebec OELs: Carcinogen category

Crystalline silica (CAS 14808-60-7) Suspected carcinogenic effect in humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

Crystalline silica (CAS 14808-60-7) Volume 68, Volume 100C 1 Carcinogenic to humans.

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

to humans.

Talc (CAS 14807-96-6) Volume 42, Supplement 7, Volume 93 - 3 Not classifiable as to

carcinogenicity to humans.

Volume 93 - 2B Possibly carcinogenic to humans.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Crystalline silica (CAS 14808-60-7)

US NTP Report on Carcinogens: Known carcinogen

Crystalline silica (CAS 14808-60-7) Known To Be Human Carcinogen.

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

Crystalline silica (CAS 14808-60-7) Cancer

This product is not expected to cause reproductive or developmental effects. Reproductive toxicity

Teratogenicity Specific target organ toxicity single exposure

Not available. Not classified.

Specific target organ toxicity -

repeated exposure

Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard Not an aspiration hazard.

Chronic effects Causes damage to organs through prolonged or repeated exposure.

> Prolonged inhalation may be harmful. Lung scarring (pneumoconiosis) after chronic exposure to aluminum oxide dust and fume Prolonged or repeated exposure to fine airborne crystalline silica dust may cause severe scarring of the lungs, a disease called silicosis. Early symptoms of silicosis include cough, mucous production and shortness of breath upon exertion.

Fibrosis was observed in rats exposed to 6 mg/m3 of hydrous magnesium silicate (talc) for 113 or 122 weeks. Chronic respiratory disease has been observed in workers exposed to up to 3.0 mg/m3 of airborne talc ore free of asbestos and silica.

12. Ecological Information

Not available. **Ecotoxicity**

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

Bioaccumulative potential No data available. Mobility in soil No data available. Not available Mobility in general

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 Local disposal regulations Dispose of contents/container in accordance with local/regional/national/international 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

Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging

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

disposal.

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

Listed.

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

Crystalline silica (CAS 14808-60-7)

Aluminum oxide (CAS 1344-28-1)

Ferric oxide (CAS 1309-37-1)

Graphite (CAS 7782-42-5)

Magnesium oxide (CAS 1309-48-4)

Talc (CAS 14807-96-6)

Listed.

Listed.

Listed.

Canada DSL Challenge Substances: Listed substance

Canada Priority Substances List (Second List): Listed substance

Aluminum oxide (CAS 1344-28-1)

Ferric oxide (CAS 1309-37-1)

Graphite (CAS 7782-42-5)

Magnesium oxide (CAS 1309-48-4)

Talc (CAS 14807-96-6)

Listed.

Export Control List (CEPA 1999, Schedule 3)

Not listed.

Greenhouse Gases

Not listed.

Precursor Control Regulations

Not regulated.

WHMIS 2015 Exemptions Controlled

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 (MnO) (CAS 1344-43-0) Listed.

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

Crystalline silica (CAS 14808-60-7) Cancer

lung effects

immune system effects

kidney effects

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

ely No

hazardous substance

SARA 311/312 Hazardous

No

chemical

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

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

Manganese oxide (MnO) (CAS 1344-43-0)

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

Not regulated.

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.
Graphite (CAS 7782-42-5)	Listed.
Magnesium oxide (CAS 1309-48-4)	Listed.
Manganese oxide (MnO) (CAS 1344-43-0)	Listed.
Talc (CAS 14807-96-6)	Listed.

US - Illinois Chemical Safety Act: Listed substance

Manganese oxide (MnO) (CAS 1344-43-0)

US - Louisiana Spill Reporting: Listed substance

Manganese oxide (MnO) (CAS 1344-43-0) Listed.

US - Minnesota Haz Subs: Listed substance

Aluminum oxide (CAS 1344-28-1) Listed. Calcium oxide (CAS 1305-78-8) Listed. Crystalline silica (CAS 14808-60-7) Listed. Ferric oxide (CAS 1309-37-1) Listed. Graphite (CAS 7782-42-5) Listed. Limestone (CAS 1317-65-3) Listed. Magnesium oxide (CAS 1309-48-4) Listed. Manganese oxide (MnO) (CAS 1344-43-0) Listed. Talc (CAS 14807-96-6) Listed.

US - New Jersey RTK - Substances: Listed substance

Aluminum oxide (CAS 1344-28-1)

Calcium oxide (CAS 1305-78-8)

Crystalline silica (CAS 14808-60-7)

Ferric oxide (CAS 1309-37-1)

Graphite (CAS 7782-42-5)

Limestone (CAS 1317-65-3)

Magnesium oxide (CAS 1309-48-4)

Manganese oxide (MnO) (CAS 1344-43-0)

Talc (CAS 14807-96-6)

US - North Carolina Toxic Air Pollutants: Listed substance

Manganese oxide (MnO) (CAS 1344-43-0)

US - Texas Effects Screening Levels: Listed substance

Aluminum oxide (CAS 1344-28-1) Listed. Calcium oxide (CAS 1305-78-8) Listed. Crystalline silica (CAS 14808-60-7) Listed. Ferric oxide (CAS 1309-37-1) Listed. Graphite (CAS 7782-42-5) Listed. Limestone (CAS 1317-65-3) Listed. Magnesium oxide (CAS 1309-48-4) Listed. Manganese oxide (MnO) (CAS 1344-43-0) Listed. Talc (CAS 14807-96-6) Listed.

US. Massachusetts RTK - Substance List

Aluminum oxide (CAS 1344-28-1)

Calcium oxide (CAS 1305-78-8)

Crystalline silica (CAS 14808-60-7)

Ferric oxide (CAS 1309-37-1)

Graphite (CAS 7782-42-5)

Limestone (CAS 1317-65-3)

Magnesium oxide (CAS 1309-48-4)

Talc (CAS 14807-96-6)

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

Aluminum oxide (CAS 1344-28-1)

Manganese oxide (MnO) (CAS 1344-43-0)

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

Aluminum oxide (CAS 1344-28-1)

Calcium oxide (CAS 1305-78-8)

Crystalline silica (CAS 14808-60-7)

Ferric oxide (CAS 1309-37-1)

Graphite (CAS 7782-42-5)

Limestone (CAS 1317-65-3)

Magnesium oxide (CAS 1309-48-4)

Manganese oxide (MnO) (CAS 1344-43-0)

Talc (CAS 14807-96-6)

US. Rhode Island RTK

Aluminum oxide (CAS 1344-28-1) Calcium oxide (CAS 1305-78-8) Crystalline silica (CAS 14808-60-7) Ferric oxide (CAS 1309-37-1) Graphite (CAS 7782-42-5) Limestone (CAS 1317-65-3) Magnesium oxide (CAS 1309-48-4) Talc (CAS 14807-96-6)

US. California Proposition 65



WARNING: This product can expose you to Crystalline silica, which is known to the State of California to cause cancer. For more information go to warm DCCM and the state of California to cause cancer. more information go to www.P65Warnings.ca.gov.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

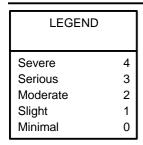
Crystalline silica (CAS 14808-60-7) Listed: October 1, 1988

Inventory status

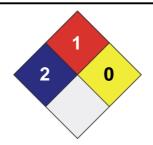
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

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

16. Other Information







Disclaimer

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

Issue date 18-March-2019

Version # 01

Effective date 07-March-2019

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

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

document.