

1. Product and Company Identification

Product identifier	Wolf Trax Cropmix DDP	
Other means of identification	Not available	
Recommended use	Plant Food	
Recommended restrictions	None known.	
Manufacturer/Importer/Supplier/Distributor information		
Manufacturer	Compass Minerals USA Inc. 9900 West 109th Street, Suite 100 Overland Park, KS 66210 United States 913-344-9200	
Manufacturer	Compass Minerals Manitoba Inc. 800- One Research Rd. Winnipeg MB R3T 6E3 Canada 204-237-9653	
	CHEMTREC 1-800-424-9300 CANUTEC 1-613-996-6666 Website: http://www.compassminerals.com/ E-mail: techservicesrequests@compassminerals.com	

2. Hazards Identification

Physical hazards	Not classified.	
Health hazards	Acute toxicity, oral	Category 4
	Serious eye damage/eye irritation	Category 1
	Reproductive toxicity	Category 1
	Specific target organ toxicity, repeated exposure	Category 2
Environmental hazards	Not classified.	
OSHA defined hazards	Not classified.	
Label elements		



Signal word	Danger	
Hazard statement	Harmful if swallowed. Causes serious eye damage. May damage fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.	
Precautionary statement		
Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.	
Response	If exposed or concerned: Get medical advice/attention. 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. If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth.	
Storage	Store locked up.	
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.	

Hazard(s) not otherwise classified (HNOC)

None known.

Supplemental information

4% of the mixture consists of component(s) of unknown acute oral toxicity.
76% of the mixture consists of component(s) of unknown acute inhalation toxicity.

3. Composition/Information on Ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Manganese (II) sulfate		7785-87-7	15 - 40
Manganese Chloride		7773-01-5	15 - 40
Zinc oxide		1314-13-2	15 - 40
Boron sodium oxide (B8Na2O13)		12008-41-2	5 - 10
Zinc sulfate, monohydrate		7446-19-7	5 - 10
Boric acid		10043-35-3	1 - 5
Boron Potassium Oxide (b4k2o7), Tetrahydrate		12045-78-2	1 - 5
Copper oxide		1317-38-0	1 - 5
Ferric oxide		1309-37-1	1 - 5
Silica		7631-86-9	1 - 5
Sulfonate aromatic polymer, sodium salt		Trade Secret	1 - 5
Copper (II) sulfate pentahydrate		7758-99-8	0.1 - 1
Cuprous Oxide		1317-39-1	1.1 - 1

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.

4. First Aid Measures

Inhalation	If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
Skin contact	Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.
Eye contact	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.
Ingestion	If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth.
Most important symptoms/effects, acute and delayed	Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Prolonged exposure may cause chronic effects.
Indication of immediate medical attention and special treatment needed	Symptoms may be delayed.
General information	IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Avoid contact with eyes, skin and clothing. Wear suitable protective clothing. Keep out of reach of children.

5. Fire Fighting Measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide.
Unsuitable extinguishing media	Not available.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
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	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Keep people away from and upwind of spill/leak. Keep out of low areas. 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	Before attempting clean up, refer to hazard data given above. Use broom or dry vacuum to collect material for proper disposal without raising dust. Rinse area with water. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills in original containers for re-use. 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	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with eyes, skin and clothing. Do not taste or swallow. Avoid contact during pregnancy/while nursing. Avoid prolonged exposure. Wear appropriate personal protective equipment. Provide adequate ventilation.
Conditions for safe storage, including any incompatibilities	Store locked up. Keep container tightly closed. Store away from incompatible materials (see Section 10 of the SDS). Keep out of the reach of children.

8. Exposure Controls/Personal Protection

Occupational exposure limits

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

Components	Type	Value	Form
Ferric oxide (CAS 1309-37-1)	PEL	10 mg/m3	Fume.
Manganese (II) sulfate (CAS 7785-87-7)	Ceiling	5 mg/m3	
Manganese Chloride (CAS 7773-01-5)	Ceiling	5 mg/m3	
Zinc oxide (CAS 1314-13-2)	PEL	5 mg/m3 5 mg/m3 15 mg/m3	Respirable fraction. Fume. Total dust.

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

Components	Type	Value
Silica (CAS 7631-86-9)	TWA	0.8 mg/m3 20 mppcf

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Boric acid (CAS 10043-35-3)	STEL	6 mg/m3	Inhalable fraction.
	TWA	2 mg/m3	Inhalable fraction.
Boron Potassium Oxide (b4k2o7), Tetrahydrate (CAS 12045-78-2)	STEL	6 mg/m3	Inhalable fraction.
	TWA	2 mg/m3	Inhalable fraction.
Boron sodium oxide (B8Na2O13) (CAS 12008-41-2)	STEL	6 mg/m3	Inhalable fraction.
	TWA	2 mg/m3	Inhalable fraction.
Ferric oxide (CAS 1309-37-1)	TWA	5 mg/m3	Respirable fraction.
Manganese (II) sulfate (CAS 7785-87-7)	TWA	0.1 mg/m3	Inhalable fraction.
		1.2 mg/m3	Respirable fraction.
Manganese Chloride (CAS 7773-01-5)	TWA	0.1 mg/m3	Inhalable fraction.

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Zinc oxide (CAS 1314-13-2)		0.02 mg/m3	Respirable fraction.
	STEL	10 mg/m3	Respirable fraction.
	TWA	2 mg/m3	Respirable fraction.

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
Copper (II) sulfate pentahydrate (CAS 7758-99-8)	TWA	1 mg/m3	Dust and mist.
Copper oxide (CAS 1317-38-0)	TWA	0.1 mg/m3	Fume.
Cuprous Oxide (CAS 1317-39-1)	TWA	1 mg/m3	Dust and mist.
Ferric oxide (CAS 1309-37-1)	TWA	5 mg/m3	Dust and fume.
Manganese (II) sulfate (CAS 7785-87-7)	STEL	3 mg/m3	Fume.
	TWA	1 mg/m3	Fume.
Manganese Chloride (CAS 7773-01-5)	STEL	3 mg/m3	Fume.
	TWA	1 mg/m3	Fume.
Silica (CAS 7631-86-9)	TWA	6 mg/m3	
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.

Biological limit values

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

Exposure guidelines

Chemicals listed in section 3 that are not listed here do not have established limit values for ACGIH or OSHA PEL.

Appropriate engineering controls

Ensure adequate ventilation.

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

Safety glasses or goggles.

Skin protection**Hand protection**

Wear suitable gloves.

Other

As required by employer code.

Respiratory protection

A dust filtering mask is recommended. Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

Thermal hazards

Not applicable.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice. When using, do not eat, drink or smoke. Wash hands after handling and before eating.

9. Physical and Chemical Properties

Appearance	Powder.
Physical state	Solid.
Form	Powder.
Color	Pink
Odor	Odorless
Odor threshold	Not available.
pH	6.5 - 7
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not applicable.
Pour point	Not applicable.
Specific gravity	Not available.
Partition coefficient (n-octanol/water)	Not applicable.

Flash point	Not applicable.
Evaporation rate	Not applicable.
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 applicable.
Vapor density	Not applicable.
Relative density	Not available.
Solubility(ies)	Not available.
Auto-ignition temperature	Not applicable.
Decomposition temperature	Not available.
Viscosity	Not applicable.
Other information	
Flammability	Not applicable.

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	None when used according to label directions.
Incompatible materials	None when used according to label directions.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological Information

Information on likely routes of exposure

Ingestion	Harmful if swallowed.
Inhalation	Prolonged inhalation may be harmful.
Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Causes serious eye damage.

Symptoms related to the physical, chemical and toxicological characteristics Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

Information on toxicological effects

Acute toxicity Harmful if swallowed.

Components	Species	Test Results
Boric acid (CAS 10043-35-3)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	2000 mg/kg
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Chicken	2950 mg/kg
	Dog	2000 mg/kg
	Mouse	3450 mg/kg
	Rat	2660 mg/kg

Components	Species	Test Results
Boron Potassium Oxide (b4k2o7), Tetrahydrate (CAS 12045-78-2)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 2000 mg/kg
<i>Inhalation</i>		
LC50	Rat	> 2 mg/l/4h
<i>Oral</i>		
LD50	Rat	> 2500 mg/kg
Boron sodium oxide (B8Na2O13) (CAS 12008-41-2)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 2000 mg/kg
	Rat	2000 mg/kg
<i>Oral</i>		
LD50	Guinea pig	5300 mg/kg
	Rat	2000 mg/kg
		2 g/kg
Copper (II) sulfate pentahydrate (CAS 7758-99-8)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 1000 mg/kg
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Rat	960 mg/kg
		300 mg/kg
Copper oxide (CAS 1317-38-0)		
Acute		
<i>Oral</i>		
LD50	Rat	470 mg/kg
Cuprous Oxide (CAS 1317-39-1)		
Acute		
<i>Dermal</i>		
LD50	Rat	> 2000 mg/kg
<i>Inhalation</i>		
LC50	Rat	> 50000 mg/m ³ , 4 hours
<i>Oral</i>		
LD50	Rat	470 mg/kg
Ferric oxide (CAS 1309-37-1)		
Acute		
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Rat	> 10000 mg/kg
Manganese (II) sulfate (CAS 7785-87-7)		
Acute		
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Mouse	2330 mg/kg
	Rat	2150 mg/kg

Components	Species	Test Results
Manganese Chloride (CAS 7773-01-5)		
Acute		
<i>Oral</i>		
LD50	Guinea pig	400 - 810 mg/kg
	Mouse	275 - 450 mg/kg
	Rat	250 - 275 mg/kg
Silica (CAS 7631-86-9)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 2000 mg/kg
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Mouse	> 15000 mg/kg
	Rat	5000 mg/kg
Zinc oxide (CAS 1314-13-2)		
Acute		
<i>Inhalation</i>		
LC50	Mouse	> 5.7 mg/L, 4 Hours 2500 mg/m ³
<i>Oral</i>		
LD50	Mouse	7950 mg/kg
	Rat	> 5 g/kg 5000 mg/kg
Zinc sulfate, monohydrate (CAS 7446-19-7)		
Acute		
<i>Dermal</i>		
LD50	Rat	> 2000 mg/kg
<i>Oral</i>		
LD50	Mouse	57 mg/kg
	Rat	623 mg/kg
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.	
Exposure minutes	Not available.	
Erythema value	Not available.	
Oedema value	Not available.	
Serious eye damage/eye irritation	Causes serious eye damage.	
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		
Respiratory sensitization	Not available.	
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	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.	
IARC Monographs. Overall Evaluation of Carcinogenicity		
Ferric oxide (CAS 1309-37-1)	3 Not classifiable as to carcinogenicity to humans.	
Silica (CAS 7631-86-9)	3 Not classifiable as to carcinogenicity to humans.	
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)		
Not listed.		

Reproductive toxicity	May damage fertility or the unborn child.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	Not classified.
Chronic effects	Prolonged inhalation may be harmful.
Further information	Not available.

12. Ecological Information

Ecotoxicity	See below		
Components		Species	Test Results
Boric acid (CAS 10043-35-3)			
Crustacea	EC50	Daphnia	134 mg/L, 48 Hours
Aquatic			
Fish	LC50	Razorback sucker (<i>Xyrauchen texanus</i>)	> 100 mg/L, 96 hours
Boron sodium oxide (B8Na2O13) (CAS 12008-41-2)			
Crustacea	EC50	Daphnia	2528 mg/L, 48 Hours
Copper (II) sulfate pentahydrate (CAS 7758-99-8)			
Crustacea	EC50	Daphnia	0.187 mg/L, 48 Hours
Aquatic			
Crustacea	EC50	Water flea (<i>Daphnia magna</i>)	0.006 - 0.007 mg/L, 48 hours
Fish	LC50	Bluegill (<i>Lepomis macrochirus</i>)	0.66 - 1.15 mg/L, 96 hours
Copper oxide (CAS 1317-38-0)			
Aquatic			
Crustacea	EC50	Water flea (<i>Daphnia magna</i>)	0.011 - 0.039 mg/L, 48 hours
Fish	LC50	Western mosquitofish (<i>Gambusia affinis</i>)	> 56000 mg/L, 96 hours
Manganese (II) sulfate (CAS 7785-87-7)			
Aquatic			
Crustacea	EC50	Water flea (<i>Daphnia magna</i>)	7.09 - 9.36 mg/L, 48 hours
Fish	LC50	Fathead minnow (<i>Pimephales promelas</i>)	24.3 - 38.9 mg/L, 96 hours
Manganese Chloride (CAS 7773-01-5)			
Aquatic			
Crustacea	EC50	Water flea (<i>Daphnia magna</i>)	4.7 mg/L, 48 hours
Silica (CAS 7631-86-9)			
Algae	IC50	Algae	440 mg/L, 72 Hours
Crustacea	EC50	Daphnia	7600 mg/L, 48 Hours
Zinc oxide (CAS 1314-13-2)			
Aquatic			
Fish	LC50	Fathead minnow (<i>Pimephales promelas</i>)	2246 mg/L, 96 hours
Zinc sulfate, monohydrate (CAS 7446-19-7)			
Aquatic			
Crustacea	EC50	Rotifer (<i>Philodina acuticornis</i>)	0.3 mg/L, 48 hours
Fish	LC50	Rainbow trout, donaldson trout (<i>Oncorhynchus mykiss</i>)	0.162 mg/L, 96 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	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	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

U.S. Department of Transportation (DOT)

Not regulated as dangerous goods.

15. Regulatory Information

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)

Copper oxide (CAS 1317-38-0)	Listed.
Cuprous Oxide (CAS 1317-39-1)	Listed.
Manganese (II) sulfate (CAS 7785-87-7)	Listed.
Manganese Chloride (CAS 7773-01-5)	Listed.
Zinc oxide (CAS 1314-13-2)	Listed.

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.
Manganese (II) sulfate	7785-87-7	15 - 40
Manganese Chloride	7773-01-5	15 - 40
Zinc oxide	1314-13-2	15 - 40
Zinc sulfate, monohydrate	7446-19-7	5 - 10
Copper oxide	1317-38-0	1 - 5

Other federal regulations

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

Manganese (II) sulfate (CAS 7785-87-7)
 Manganese Chloride (CAS 7773-01-5)

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

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

Food and Drug Administration (FDA) Not regulated.

US state regulations WARNING: This product contains a chemical known to the State of California to cause cancer.

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

Copper (II) sulfate pentahydrate (CAS 7758-99-8)	Listed.
Copper oxide (CAS 1317-38-0)	Listed.
Cuprous Oxide (CAS 1317-39-1)	Listed.
Ferric oxide (CAS 1309-37-1)	Listed.
Manganese (II) sulfate (CAS 7785-87-7)	Listed.
Manganese Chloride (CAS 7773-01-5)	Listed.
Silica (CAS 7631-86-9)	Listed.
Zinc oxide (CAS 1314-13-2)	Listed.
Zinc sulfate, monohydrate (CAS 7446-19-7)	Listed.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Naphthalene (CAS 91-20-3) Listed.

US - Illinois Chemical Safety Act: Listed substance

Copper oxide (CAS 1317-38-0) Listed.

Cuprous Oxide (CAS 1317-39-1) Listed.

Manganese (II) sulfate (CAS 7785-87-7) Listed.

Manganese Chloride (CAS 7773-01-5) Listed.

Zinc oxide (CAS 1314-13-2) Listed.

US - Louisiana Spill Reporting List: Reportable quantity (total mass into atmosphere)

Copper (II) sulfate pentahydrate (CAS 7758-99-8) 100 LBS

Copper oxide (CAS 1317-38-0) 100 LBS

Cuprous Oxide (CAS 1317-39-1) 100 LBS

Manganese (II) sulfate (CAS 7785-87-7) 100 LBS

Manganese Chloride (CAS 7773-01-5) 100 LBS

US - Louisiana Spill Reporting: Listed substance

Copper oxide (CAS 1317-38-0) Listed.

Cuprous Oxide (CAS 1317-39-1) Listed.

Manganese (II) sulfate (CAS 7785-87-7) Listed.

Manganese Chloride (CAS 7773-01-5) Listed.

Zinc oxide (CAS 1314-13-2) Listed.

US - Michigan Critical Materials Register: Parameter number

Copper (II) sulfate pentahydrate (CAS 7758-99-8) 07440-50-8 Listed.

Copper oxide (CAS 1317-38-0) 07440-50-8 Listed.

Cuprous Oxide (CAS 1317-39-1) 07440-50-8 Listed.

Zinc oxide (CAS 1314-13-2) 07440-66-6 Listed.

Zinc sulfate, monohydrate (CAS 7446-19-7) 07440-66-6 Listed.

US - Minnesota Haz Subs: Listed substance

Ferric oxide (CAS 1309-37-1) Listed.

Manganese (II) sulfate (CAS 7785-87-7) Listed.

Manganese Chloride (CAS 7773-01-5) Listed.

Silica (CAS 7631-86-9) Listed.

Zinc oxide (CAS 1314-13-2) Listed.

US - New Jersey RTK - Substances: Listed substance

Boric acid (CAS 10043-35-3) Listed.

Boron Potassium Oxide (b4k2o7), Tetrahydrate (CAS 12045-78-2) Listed.

Boron sodium oxide (B8Na2O13) (CAS 12008-41-2) Listed.

Copper oxide (CAS 1317-38-0) Listed.

Cuprous Oxide (CAS 1317-39-1) Listed.

Ferric oxide (CAS 1309-37-1) Listed.

Manganese (II) sulfate (CAS 7785-87-7) Listed.

Manganese Chloride (CAS 7773-01-5) Listed.

Silica (CAS 7631-86-9) Listed.

Zinc oxide (CAS 1314-13-2) Listed.

US - New York Release Reporting: Hazardous Substances: Listed substance

Copper (II) sulfate pentahydrate (CAS 7758-99-8) Listed.

Zinc sulfate, monohydrate (CAS 7446-19-7) Listed.

US - North Carolina Toxic Air Pollutants: Listed substance

Manganese (II) sulfate (CAS 7785-87-7) Listed.

Manganese Chloride (CAS 7773-01-5) Listed.

US - Texas Effects Screening Levels: Listed substance

Boric acid (CAS 10043-35-3) Listed.

Copper (II) sulfate pentahydrate (CAS 7758-99-8) Listed.

Copper oxide (CAS 1317-38-0) Listed.

Cuprous Oxide (CAS 1317-39-1) Listed.

Ferric oxide (CAS 1309-37-1) Listed.

Silica (CAS 7631-86-9) Listed.

Zinc oxide (CAS 1314-13-2) Listed.

US. Massachusetts RTK - Substance List

Copper (II) sulfate pentahydrate (CAS 7758-99-8) Listed.

Ferric oxide (CAS 1309-37-1) Listed.

Silica (CAS 7631-86-9) Listed.

Zinc oxide (CAS 1314-13-2) Listed.

Zinc sulfate, monohydrate (CAS 7446-19-7) Listed.

US. Pennsylvania RTK - Hazardous Substances

Copper (II) sulfate pentahydrate (CAS 7758-99-8) Listed.

Ferric oxide (CAS 1309-37-1) Listed.

Silica (CAS 7631-86-9)	Listed.
Zinc oxide (CAS 1314-13-2)	Listed.
Zinc sulfate, monohydrate (CAS 7446-19-7)	Listed.

US. Rhode Island RTK

Copper oxide (CAS 1317-38-0)	Listed.
Cuprous Oxide (CAS 1317-39-1)	Listed.
Manganese (II) sulfate (CAS 7785-87-7)	Listed.
Manganese Chloride (CAS 7773-01-5)	Listed.
Zinc oxide (CAS 1314-13-2)	Listed.

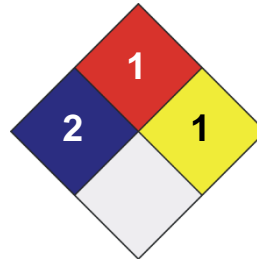
Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies 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	1
PHYSICAL HAZARD	1
PERSONAL PROTECTION	X



Disclaimer

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Further information

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

Other information

This Safety Data Sheet was prepared to comply with the current OSHA Hazard Communication Standard (HCS) adoption of the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

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