

SAFETY DATA SHEET

1. Product and Company Identification

Product identifier Wolf Trax Manganese DDP

Other means of identification Not available Plant Food Recommended use None known. Recommended restrictions

Manufacturer information Compass Minerals USA Inc.

9900 West 109th Street, Suite 100 Overland Park, KS 66210 US Phone (913) 344-9200

Supplier Compass Minerals Manitoba Inc.

6700 Century Avenue Mississauga L5N 6A4 CA

http://www.compassminerals.com/

Phone (905) 567-0231

techservicesrequests @compassminerals.com

CHEMTREC 1-800-424-9300 **CANUTEC** 1-613-996-6666

2. Hazards Identification

Physical hazards Not classified.

Health hazards Acute toxicity, oral Category 4

> Serious eye damage/eye irritation Category 2 Specific target organ toxicity, repeated Category 2

exposure

Environmental hazards Not classified. WHMIS 2015 defined hazards Not classified

Label elements

Warning Signal word

Hazard statement Harmful if swallowed.

Causes serious eye irritation.

May cause damage to organs through prolonged or repeated exposure.

Precautionary statement

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

Do not breathe dust/fume/gas/mist/vapors/spray.

Wash thoroughly after handling. Wear eye/face protection.

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Response

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.

Get medical advice/attention if you feel unwell.

Store away from incompatible materials. Storage

None known

Dispose of contents/container in accordance with local/regional/national/international regulations. Disposal

WHMIS 2015: Health Hazard(s) not otherwise classified

(HHNOC)

WHMIS 2015: Physical None known

Hazard(s) not otherwise classified (PHNOC)

None known.

Hazard(s) not otherwise classified (HNOC)

Supplemental information

5% of the mixture consists of component(s) of unknown acute oral toxicity.

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	3. Composition/Information on	ingreaients	
Mixture			
Chemical name	Common name and synonyms	CAS number	%
Metal oxide		HMIRA 10768	HMIRA 10768
Metal salt #1		HMIRA 10768	HMIRA 10768
Metal salt #2		HMIRA 10768	HMIRA 10768
Sulfonated alkyl condensate, sodium salt		HMIRA 10768	HMIRA 10768
All concentrations are in percent by Composition comments	y weight unless ingredient is a gas. Gas conce The filing date associated with this trade sec	•	
	4. First Aid Measures	 S	
 Inhalation	If symptoms develop move victim to fresh air	. If symptoms persist, obtai	n medical attention.
Skin contact	Flush with cool water. Wash with soap and	• •	
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	IF SWALLOWED: Call a POISON CENTER/		
Most important symptoms/effects, acute and delayed	Symptoms may include stinging, tearing, red Prolonged exposure may cause chronic effect		vision.
Indication of immediate medical attention and special treatment needed	Symptoms may be delayed.		
General information	Ensure that medical personnel are aware of a protect themselves. Show this safety data sheyes, skin and clothing. Wear suitable protect	eet to the doctor in attendar	nce. Avoid contact with
	5. Fire Fighting Measur	res	
Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Cark	bon dioxide.	
Unsuitable extinguishing media	Not available.		
Specific hazards arising from the chemical	During fire, gases hazardous to health may be	pe formed.	
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full p	protective clothing must be v	vorn in case of fire.
Fire-fighting equipment/instructions	In the event of fire, cool tanks with water spra		
Specific methods	Use standard firefighting procedures and cor	nsider the hazards of other i	nvolved materials.
General fire hazards	No unusual fire or explosion hazards noted.		
Hazardous combustion products	Not available		
	6. Accidental Release Mea	sures	
Personal precautions, protective equipment and emergency procedures	Keep people away from and upwind of spill/le containers or spilled material unless wearing ventilation. Local authorities should be advise personal protection, see section 8 of the SDS	appropriate protective cloth ed if significant spillages cal	ing. Ensure adequate
Methods and materials for containment and cleaning up	Before attempting clean up, refer to hazard d material for proper disposal without raising di entering sewers or waterways. Contact eme disposal, see section 13 of the SDS.	ust. Rinse area with water.	Prevent large spills from
Environmental precautions	Do not discharge into lakes, streams, ponds	or public waters.	
	7. Handling and Storag	ge	
Precautions for safe handling	Avoid contact with eyes, skin and clothing. Avoid breathing dust. Wear appropriate personal protective equipmerovide adequate ventilation. Observe good industrial hygiene practices. Wash hands thoroughly after handling. When using, do not eat, drink or smoke.	nent.	

Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS). Keep out of the reach of children.

8. Exposure Controls/Personal Protection

upational exposure limits Canada. Alberta OELs (Occupatio	and Haalth & Safaty Code, Sa	hodulo 4. Toblo 2)	
Components	Type	Value	Form
Metal oxide (CAS HMIRA 10768)	TWA	5 mg/m3	Respirable.
Metal salt #1 (CAS HMIRA 10768)	TWA	0.2 mg/m3	
Metal salt #2 (CAS HMIRA 10768)	TWA	0.2 mg/m3	
Canada. British Columbia OELs. (6 Safety Regulation 296/97, as amen		s for Chemical Substances, O	ccupational Health and
Components	Туре	Value	Form
Metal oxide (CAS HMIRA 10768)	STEL	10 mg/m3	Fume.
	TWA	5 mg/m3 5 mg/m3 3 mg/m3 10 mg/m3	Fume. Dust. Respirable fraction. Total dust.
Metal salt #1 (CAS HMIRA 10768)	TWA	0.2 mg/m3	
Metal salt #2 (CAS HMIRA 10768)	TWA	0.2 mg/m3	
Canada. Manitoba OELs (Reg. 217 Components	/2006, The Workplace Safety Type	And Health Act) Value	Form
Metal oxide (CAS HMIRA 10768)	TWA	5 mg/m3	Respirable fraction.
Metal salt #1 (CAS HMIRA 10768)	TWA	0.1 mg/m3	Inhalable fraction.
		0.02 mg/m3	Respirable fraction.
Metal salt #2 (CAS HMIRA 10768)	TWA	0.1 mg/m3	Inhalable fraction.
Canada. Ontario OELs. (Control of Components	Exposure to Biological or C Type	0.02 mg/m3 hemical Agents) Value	Respirable fraction. Form
Metal oxide (CAS HMIRA 10768)	TWA	5 mg/m3	Respirable fraction.
Metal salt #1 (CAS HMIRA 10768)	TWA	0.2 mg/m3	
Metal salt #2 (CAS HMIRA 10768)	TWA	0.2 mg/m3	
Canada. Quebec OELs. (Ministry o	f Labor - Regulation Respec Type	ting the Quality of the Work En Value	nvironment) Form
Metal oxide (CAS HMIRA 10768)	TWA	5 mg/m3	Dust and fume.
•		10 mg/m3	Total dust.
Metal salt #1 (CAS HMIRA 10768)	TWA	5 mg/m3	Dust.
Metal salt #2 (CAS HMIRA 10768)	TWA	5 mg/m3	Dust.
US. OSHA Table Z-1 Limits for Air Components	Contaminants (29 CFR 1910. Type	1000) Value	Form
Metal oxide (CAS HMIRA 10768)	PEL	10 mg/m3	Fume.
Metal salt #1 (CAS HMIRA 10768)	Ceiling	5 mg/m3	

Components	for Air Contaminants (29 CFR 1910.1) Type	, Value	Form
Metal salt #2 (CAS HMIRA 10768)	Ceiling	5 mg/m3	
US. ACGIH Threshold Limit	Values		
Components	Туре	Value	Form
Metal oxide (CAS HMIRA 10768)	TWA	5 mg/m3	Respirable fraction.
Metal salt #1 (CAS HMIRA 10768)	TWA	0.1 mg/m3	Inhalable fraction.
		0.02 mg/m3	Respirable fraction.
Metal salt #2 (CAS HMIRA 10768)	TWA	0.1 mg/m3	Inhalable fraction.
,		0.02 mg/m3	Respirable fraction.
US. NIOSH: Pocket Guide to	o Chemical Hazards		
Components	Туре	Value	Form
Metal oxide (CAS HMIRA 10768)	TWA	5 mg/m3	Dust and fume.
Metal salt #1 (CAS HMIRA 10768)	STEL	3 mg/m3	Fume.
	TWA	1 mg/m3	Fume.
Metal salt #2 (CAS HMIRA 10768)	STEL	3 mg/m3	Fume.
	TWA	1 mg/m3	Fume.
logical limit values	No biological exposure limits noted fo	or the ingredient(s).	
osure guidelines	Chemicals listed in section 3 that are not listed here do not have established limit values for ACGIH.		
propriate engineering trols	Ensure adequate ventilation.		
vidual protection measures	, such as personal protective equipme	ent	
Eye/face protection	Wear safety glasses with side shields		
Skin protection			
Hand protection	Wear suitable gloves. Confirm with a	reputable supplier first.	
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.		
neral hygiene siderations	Handle in accordance with good indu- after handling. When using, do not ea		ce. Wash hands thoroughly
	9. Physical and Chemic	cal Properties	
pearance	Powder		
sical state	Solid.		

Appearance	Powder
Physical state	Solid.
Form	Solid.
Color	Light pink
Odor	Odorless
Odor threshold	Not applicable.
рН	8 (5% solution)
Melting point/freezing point	Not applicable.
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

(%)

Flammability limit - upper

Non-flammable.

Non-flammable.

Explosive limit - lower (%) Non-explosive.

Explosive limit - upper (%) Non-explosive.

Vapor pressure Not applicable. Vapor density Not applicable. Relative density Not applicable. Solubility(ies) Not available. **Auto-ignition temperature** Not applicable. **Decomposition temperature** Not applicable. **Viscosity** Not applicable.

Other information

Non-flammable **Flammability**

10. Stability and Reactivity

This product may react with strong oxidizing agents. Reactivity

Possibility of hazardous

reactions

Hazardous polymerization does not occur.

Material is stable under normal conditions. **Chemical stability**

Conditions to avoid None when used and stored according to label directions. Incompatible materials None when used and stored according to label directions.

Hazardous decomposition

products

No hazardous decomposition products are known.

11. Toxicological Information

Routes of exposure Inhalation. Ingestion. Eye contact.

Information on likely routes of exposure

Ingestion May cause stomach distress, nausea or vomiting.

Inhalation Prolonged inhalation may be harmful.

No adverse effects due to skin contact are expected. Skin contact

Causes serious eve irritation. Eve contact

Symptoms related to the physical, chemical and toxicological characteristics Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Information on toxicological effects

Harmful if swallowed. **Acute toxicity**

Species Test Results Components

Metal oxide (CAS HMIRA 10768)

Acute

Inhalation

Not available LC50

Oral

Rat > 10000 mg/kg LD50

Metal salt #1 (CAS HMIRA 10768)

Acute

Inhalation

LC50 Not available

Oral

Mouse 2330 mg/kg LD50

> Rat 2150 mg/kg

#27987 Page: 5 of 9 Issue date 30-May-2017 Components Species Test Results

Metal salt #2 (CAS HMIRA 10768)

Acute Oral

LD50 Guinea pig 400 - 810 mg/kg

Mouse 275 - 450 mg/kg
Rat 250 - 275 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 irritation.

Corneal opacity value Not available.

Iris lesion value Not available.

Conjunctival reddening Not available.

value

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.

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.

Canada - Manitoba OELs: carcinogenicity

IRON OXIDE (FE2O3), RESPIRABLE FRACTION (CAS Not classifiable as a human carcinogen.

HMIRA 10768)

MANGANESE ELEMENTAL AND INORGANIC

COMPOUNDS, AS MN, INHALABLE FRACTION (CAS

HMIRA 10768)

Not classifiable as a human carcinogen.

Not classifiable as a human carcinogen.

IARC Monographs. Overall Evaluation of Carcinogenicity

Metal oxide (CAS HMIRA 10768)

Volume 1, Supplement 7 - 3 Not classifiable as to carcinogenicity

to humans.

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

Not listed.

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

Teratogenicity Not available.

Specific target organ toxicity - Not classified.

single exposure

May cause damage to organs through prolonged or repeated exposure.

repeated exposure

Specific target organ toxicity -

Aspiration hazard

Not classified.

Chronic effects Prolonged inhalation may be harmful.

12. Ecological Information

Ecotoxicity See below

Ecotoxicological data

Components Species Test Results

Metal salt #1 (CAS HMIRA 10768)

Aquatic

Crustacea EC50 Water flea (Daphnia magna) 7.09 - 9.36 mg/L, 48 hours
Fish LC50 Fathead minnow (Pimephales promelas) 24.3 - 38.9 mg/L, 96 hours

Crustacea EC50 Water flea (Daphnia magna) 4.7 mg/L, 48 hours

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

Bioaccumulative potential No data available.

Mobility in soilNo data available.Mobility in generalNot available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, 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
Contaminated packaging

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).

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

In accordance with Part 2.2.1 (SOR/2014-152) of the Transportation of Dangerous Goods Regulations, we certify that the classification of this product is correct as of the SDS date of issue.

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.

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)

Metal salt #1 (CAS HMIRA 10768)

Metal salt #2 (CAS HMIRA 10768)

Listed.

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

Nο

chemical

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
Metal salt #1	HMIRA 10768	HMIRA 10768
Metal salt #2	HMIRA 10768	HMIRA 10768

Other federal regulations

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

Metal salt #1 (CAS HMIRA 10768) Metal salt #2 (CAS HMIRA 10768)

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

Not regulated.

US state regulations See below

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

Metal oxide (CAS HMIRA 10768) Listed. Metal salt #1 (CAS HMIRA 10768) Listed. Metal salt #2 (CAS HMIRA 10768) Listed.

US - Illinois Chemical Safety Act: Listed substance

Metal salt #1 (CAS HMIRA 10768) Metal salt #2 (CAS HMIRA 10768)

US - Louisiana Spill Reporting: Listed substance

Metal salt #1 (CAS HMIRA 10768) Listed. Metal salt #2 (CAS HMIRA 10768) Listed.

US - Minnesota Haz Subs: Listed substance

Metal oxide (CAS HMIRA 10768) Listed. Metal salt #1 (CAS HMIRA 10768) Listed. Metal salt #2 (CAS HMIRA 10768) Listed.

US - New Jersey RTK - Substances: Listed substance

Metal oxide (CAS HMIRA 10768) Metal salt #1 (CAS HMIRA 10768) Metal salt #2 (CAS HMIRA 10768)

US - North Carolina Toxic Air Pollutants: Listed substance

Metal salt #1 (CAS HMIRA 10768) Metal salt #2 (CAS HMIRA 10768)

US - Texas Effects Screening Levels: Listed substance

Metal oxide (CAS HMIRA 10768) Listed.

US. Massachusetts RTK - Substance List

Metal oxide (CAS HMIRA 10768)

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

Metal salt #1 (CAS HMIRA 10768) Metal salt #2 (CAS HMIRA 10768)

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

Metal oxide (CAS HMIRA 10768) Metal salt #1 (CAS HMIRA 10768)

Metal salt #2 (CAS HMIRA 10768)

US. Rhode Island RTK

Metal salt #1 (CAS HMIRA 10768) Metal salt #2 (CAS HMIRA 10768)

US. California Proposition 65

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

Inventory status

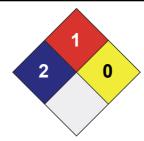
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

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

16. Other Information







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.

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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.