

1. Product and Company Identification

Product identifier	Wolf Trax Iron DDP
Other means of identification	Not available
Recommended use	Plant Food
Recommended restrictions	None known.
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	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 1
	Carcinogenicity	Category 1
	Specific target organ toxicity, single exposure	Category 3 respiratory tract irritation
	Specific target organ toxicity, repeated exposure	Category 1
Environmental hazards	Not classified.	
WHMIS 2015 defined hazards	Not classified	
Label elements		



Signal word	Danger
Hazard statement	Causes skin irritation. Causes serious eye damage. May cause cancer. May cause respiratory irritation. Causes damage to organs through prolonged or repeated exposure.

Precautionary statement	
Prevention	Do not handle until all safety precautions have been read and understood. Wash thoroughly after handling. Do not breathe dust. Use only outdoors or in a well-ventilated area. Wear protective gloves/eye protection/face protection.
Response	IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Specific treatment (see information on this label). IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. IF exposed or concerned: Get medical advice/attention.
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	%
Metal Oxide #1		HMIRA 10745	HMIRA 10745
Metal Oxide #2		HMIRA 10745	HMIRA 10745
Metalloid Oxide #1		HMIRA 10745	HMIRA 10745
Metalloid Oxide #2		HMIRA 10745	HMIRA 10745
Sulfonated alkyl condensate, sodium salt		HMIRA 10745	HMIRA 10745

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

Composition comments The filing date associated with this trade secret exemption is 2016-12-09

4. First Aid Measures

Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
Skin contact	IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Specific treatment (see information on this label).
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	Rinse mouth. Do not induce vomiting. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.
Indication of immediate medical attention and special treatment needed	Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes, skin and clothing. Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. 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.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.
Hazardous combustion products	Not available

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. 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	Avoid contact with eyes, skin and clothing. Avoid breathing dusts from this material. Wear appropriate personal protective equipment. Avoid prolonged exposure. Provide adequate ventilation. Observe good industrial hygiene practices. When using do not eat or drink.
Conditions for safe storage, including any incompatibilities	Keep container tightly closed. 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 Code, Schedule 1, Table 2)

Components	Type	Value	Form
Metal Oxide #1 (CAS HMIRA 10745)	TWA	5 mg/m3	Respirable.
Metal Oxide #2 (CAS HMIRA 10745)	TWA	2 mg/m3	
Metalloid Oxide #1 (CAS HMIRA 10745)	TWA	0.025 mg/m3	Respirable particles.

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

Components	Type	Value	Form
Metal Oxide #1 (CAS HMIRA 10745)	STEL	10 mg/m3	Fume.
	TWA	5 mg/m3	Dust.
		5 mg/m3	Fume.
		3 mg/m3	Respirable fraction.
		10 mg/m3	Total dust.
Metal Oxide #2 (CAS HMIRA 10745)	TWA	2 mg/m3	
Metalloid Oxide #1 (CAS HMIRA 10745)	TWA	0.025 mg/m3	Respirable fraction.
Metalloid Oxide #2 (CAS HMIRA 10745)	TWA	4 mg/m3	Total
		1.5 mg/m3	Respirable.

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

Components	Type	Value	Form
Metal Oxide #1 (CAS HMIRA 10745)	TWA	5 mg/m3	Respirable fraction.
Metal Oxide #2 (CAS HMIRA 10745)	TWA	2 mg/m3	
Metalloid Oxide #1 (CAS HMIRA 10745)	TWA	0.025 mg/m3	Respirable fraction.

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

Components	Type	Value	Form
Metal Oxide #1 (CAS HMIRA 10745)	TWA	5 mg/m3	Respirable fraction.

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

Components	Type	Value	Form
Metal Oxide #2 (CAS HMIRA 10745)	TWA	2 mg/m3	
Metalloid Oxide #1 (CAS HMIRA 10745)	TWA	0.1 mg/m3	Respirable fraction.

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

Components	Type	Value	Form
Metal Oxide #1 (CAS HMIRA 10745)	TWA	5 mg/m3	Dust and fume.
		10 mg/m3	Total dust.
Metal Oxide #2 (CAS HMIRA 10745)	TWA	2 mg/m3	
Metalloid Oxide #1 (CAS HMIRA 10745)	TWA	0.1 mg/m3	Respirable dust.
Metalloid Oxide #2 (CAS HMIRA 10745)	TWA	6 mg/m3	Respirable dust.

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

Components	Type	Value	Form
Metal Oxide #1 (CAS HMIRA 10745)	PEL	10 mg/m3	Fume.
Metal Oxide #2 (CAS HMIRA 10745)	PEL	5 mg/m3	
Metalloid Oxide #1 (CAS HMIRA 10745)	PEL	0.05 mg/m3	

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

Components	Type	Value	Form
Metalloid Oxide #1 (CAS HMIRA 10745)	TWA	0.1 mg/m3	Respirable.
		2.4 mppcf	Respirable.
Metalloid Oxide #2 (CAS HMIRA 10745)	TWA	0.8 mg/m3	
		20 mppcf	

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Metal Oxide #1 (CAS HMIRA 10745)	TWA	5 mg/m3	Respirable fraction.
Metal Oxide #2 (CAS HMIRA 10745)	TWA	2 mg/m3	
Metalloid Oxide #1 (CAS HMIRA 10745)	TWA	0.025 mg/m3	Respirable fraction.

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
Metal Oxide #1 (CAS HMIRA 10745)	TWA	5 mg/m3	Dust and fume.
Metal Oxide #2 (CAS HMIRA 10745)	TWA	2 mg/m3	
Metalloid Oxide #1 (CAS HMIRA 10745)	TWA	0.05 mg/m3	Respirable dust.
Metalloid Oxide #2 (CAS HMIRA 10745)	TWA	6 mg/m3	

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**

Wear safety glasses with side shields (or goggles).

Skin protection**Hand protection**

Wear suitable gloves. Confirm with a reputable supplier first.

Other	As required by employer code.
Respiratory protection	Use of personal dust 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. Wash hands after handling and before eating. When using do not eat or drink.

9. Physical and Chemical Properties

Appearance	Powder
Physical state	Solid.
Form	Solid.
Color	Red
Odor	Odorless
Odor threshold	Not applicable.
pH	4.8 (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 available.
Flash point	Not available.
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 applicable.
Solubility(ies)	Not determined.
Auto-ignition temperature	Not applicable.
Decomposition temperature	Not applicable.
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	Do not mix with other chemicals.
Incompatible materials	Oxidizers.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological Information

Routes of exposure	Inhalation. Ingestion. Skin contact. Eye contact.
Information on likely routes of exposure	
Ingestion	May cause stomach distress, nausea or vomiting.
Inhalation	Prolonged inhalation may be harmful.

Skin contact	Causes skin irritation.
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. Skin irritation. May cause redness and pain.

Information on toxicological effects

Acute toxicity May cause respiratory irritation.

Components	Species	Test Results
Metal Oxide #1 (CAS HMIRA 10745)		
Acute		
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Rat	> 10000 mg/kg
Metal Oxide #2 (CAS HMIRA 10745)		
Acute		
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Not available	
Metalloid Oxide #1 (CAS HMIRA 10745)		
Acute		
<i>Dermal</i>		
LD50	Not available	
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Rat	500 mg/kg, HSDB, IV only
Metalloid Oxide #2 (CAS HMIRA 10745)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 5000 mg/kg, 24 Hours, ECHA > 2000 mg/kg, 24 Hours, ECHA
<i>Inhalation</i>		
LC50	Rat	> 58.8 mg/L, 4 Hours, ECHA > 2.1 mg/L, 4 Hours, ECHA > 0.7 mg/L, 4 Hours, ECHA > 0.1 mg/L, 4 Hours, ECHA
<i>Oral</i>		
LD50	Mouse	> 15000 mg/kg, HSDB > 3160 mg/kg, ECHA
	Rat	> 22500 mg/kg, HSDB > 10000 mg/kg, ECHA > 5000 mg/kg, ECHA > 3300 mg/kg, ECHA
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 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

Canada - Alberta OELs: Irritant

Metal Oxide #2 (CAS HMIRA 10745) Irritant

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

See below.

ACGIH Carcinogens

Metalloid Oxide #1 (CAS HMIRA 10745) A2 Suspected human carcinogen.

Canada - Alberta OELs: Carcinogen category

Metalloid Oxide #1 (CAS HMIRA 10745) Suspected human carcinogen.

Canada - Manitoba OELs: carcinogenicity

IRON OXIDE (FE2O3), RESPIRABLE FRACTION (CAS HMIRA 10745) Not classifiable as a human carcinogen.

SILICA, CRYSTALLINE-.ALPHA.-QUARTZ, RESPIRABLE FRACTION (CAS HMIRA 10745) Suspected human carcinogen.

Canada - Quebec OELs: Carcinogen category

Metalloid Oxide #1 (CAS HMIRA 10745) Suspected carcinogenic effect in humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

Metal Oxide #1 (CAS HMIRA 10745) Volume 1, Supplement 7 - 3 Not classifiable as to carcinogenicity to humans.

Metalloid Oxide #1 (CAS HMIRA 10745) Volume 68, Volume 100C 1 Carcinogenic to humans.

Metalloid Oxide #2 (CAS HMIRA 10745) Volume 68 - 3 Not classifiable as to carcinogenicity to humans.

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

Metalloid Oxide #1 (CAS HMIRA 10745)

US NTP Report on Carcinogens: Known carcinogen

Metalloid Oxide #1 (CAS HMIRA 10745) Known To Be Human Carcinogen.

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

Not listed.

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

Teratogenicity Not available.

Specific target organ toxicity - single exposure Respiratory tract irritation.

Specific target organ toxicity - repeated exposure Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard Not classified.

Chronic effects Prolonged inhalation may be harmful.

12. Ecological Information

Ecotoxicity See below

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

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.

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 DSL Challenge Substances: Listed substance

Metalloid Oxide #1 (CAS HMIRA 10745) 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)

Not 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)
Not regulated.

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

Not regulated.

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 #1 (CAS HMIRA 10745) Listed.
Metal Oxide #2 (CAS HMIRA 10745) Listed.
Metalloid Oxide #2 (CAS HMIRA 10745) Listed.

US - Minnesota Haz Subs: Listed substance

Metal Oxide #1 (CAS HMIRA 10745) Listed.
Metal Oxide #2 (CAS HMIRA 10745) Listed.
Metalloid Oxide #1 (CAS HMIRA 10745) Listed.
Metalloid Oxide #2 (CAS HMIRA 10745) Listed.

US - New Jersey RTK - Substances: Listed substance

Metal Oxide #1 (CAS HMIRA 10745)
Metal Oxide #2 (CAS HMIRA 10745)
Metalloid Oxide #1 (CAS HMIRA 10745)
Metalloid Oxide #2 (CAS HMIRA 10745)

US - Texas Effects Screening Levels: Listed substance

Metal Oxide #1 (CAS HMIRA 10745) Listed.
Metal Oxide #2 (CAS HMIRA 10745) Listed.
Metalloid Oxide #1 (CAS HMIRA 10745) Listed.
Metalloid Oxide #2 (CAS HMIRA 10745) Listed.

US. Massachusetts RTK - Substance List

Metal Oxide #1 (CAS HMIRA 10745)
Metal Oxide #2 (CAS HMIRA 10745)
Metalloid Oxide #1 (CAS HMIRA 10745)
Metalloid Oxide #2 (CAS HMIRA 10745)

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

Not regulated.

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

Metal Oxide #1 (CAS HMIRA 10745)
Metal Oxide #2 (CAS HMIRA 10745)
Metalloid Oxide #1 (CAS HMIRA 10745)

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

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

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

Metalloid Oxide #1 (CAS HMIRA 10745) Listed: October 1, 1988

Inventory status

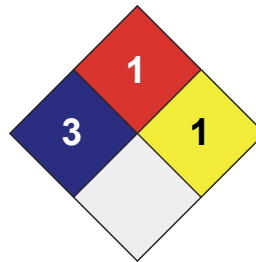
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*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	* 3
FLAMMABILITY	1
PHYSICAL HAZARD	1
PERSONAL PROTECTION	X



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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01

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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.