

## 1. Product and Company Identification

<b>Product identifier</b>	<b>ProAcqua™ N-Micro</b>
<b>Other means of identification</b>	Profol N-Micro
<b>Synonyms</b>	Proprietary blend of plant nutrients
<b>Recommended use</b>	Source of plant nutrients for food and non-food crops
<b>Recommended restrictions</b>	None known.
<b>Manufacturer information</b>	Compass Minerals USA Inc. 9900 West 109th Street, Suite 100 Overland Park, KS 66210 US Phone (913) 344-9200
<b>Supplier</b>	Compass Minerals Manitoba Inc. 6700 Century Avenue Mississauga L5N 6A4 CA <a href="http://www.compassminerals.com/">http://www.compassminerals.com/</a> Phone (905) 567-0231 techservicesrequests @compassminerals.com
<b>CHEMTREC</b>	1-800-424-9300
<b>CANUTEC</b>	1-613-996-6666

## 2. Hazards Identification

<b>Physical hazards</b>	Not classified.	
<b>Health hazards</b>	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 1
	Reproductive toxicity	Category 1B
	Specific target organ toxicity, repeated exposure	Category 2
<b>Environmental hazards</b>	Not classified.	
<b>WHMIS 2015 defined hazards</b>	Not classified	
<b>Label elements</b>		



<b>Signal word</b>	Danger
<b>Hazard statement</b>	Causes skin irritation. Causes serious eye damage. May damage fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.
<b>Precautionary statement</b>	
<b>Prevention</b>	Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
<b>Response</b>	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. Immediately call a POISON CENTER/doctor. IF exposed or concerned: Get medical advice/attention.
<b>Storage</b>	Store locked up.
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>WHMIS 2015: Health Hazard(s) not otherwise classified (HNNOC)</b>	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	%
Inorganic acid		HMIRA 11551	HMIRA 11551
Metal amine chelate		HMIRA 11551	HMIRA 11551
Metal salt #1		HMIRA 11551	HMIRA 11551
Metal salt #2		HMIRA 11551	HMIRA 11551
Metal salt #3		HMIRA 11551	HMIRA 11551
Organic acid		HMIRA 11551	HMIRA 11551
Organic amide		HMIRA 11551	HMIRA 11551

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 2017-05-26

### 4. First Aid Measures

<b>Inhalation</b>	If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
<b>Skin contact</b>	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).
<b>Eye contact</b>	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.
<b>Ingestion</b>	Rinse mouth. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious, or is convulsing. Get medical attention if symptoms occur.
<b>Most important symptoms/effects, acute and delayed</b>	Severe eye irritation. 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.
<b>Indication of immediate medical attention and special treatment needed</b>	Symptoms may be delayed.
<b>General information</b>	IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). 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 and skin. Keep out of reach of children.

### 5. Fire Fighting Measures

<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
<b>Unsuitable extinguishing media</b>	Not available.
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire-fighting equipment/instructions</b>	Use water spray to cool unopened containers.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.
<b>Hazardous combustion products</b>	May include and are not limited to: Ammonia.

## 6. Accidental Release Measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. 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.
<b>Methods and materials for containment and cleaning up</b>	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.
<b>Environmental precautions</b>	Do not discharge into lakes, streams, ponds or public waters.

## 7. Handling and Storage

<b>Precautions for safe handling</b>	Do not handle until all safety precautions have been read and understood. Avoid contact with eyes, skin, and clothing. Wear appropriate personal protective equipment. Avoid prolonged exposure. Observe good industrial hygiene practices. Wash thoroughly after handling. When using do not eat or drink.
<b>Conditions for safe storage, including any incompatibilities</b>	Store locked up. Store in original tightly closed container. 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
Metal salt #2 (CAS HMIRA 11551)	TWA	0.2 mg/m <sup>3</sup>
Metal salt #3 (CAS HMIRA 11551)	TWA	1 mg/m <sup>3</sup>

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

Components	Type	Value	Form
Inorganic acid (CAS HMIRA 11551)	STEL	6 mg/m <sup>3</sup>	Inhalable
	TWA	2 mg/m <sup>3</sup>	Inhalable
Metal salt #2 (CAS HMIRA 11551)	TWA	0.2 mg/m <sup>3</sup>	
Metal salt #3 (CAS HMIRA 11551)	STEL	2 mg/m <sup>3</sup>	
	TWA	1 mg/m <sup>3</sup>	

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

Components	Type	Value	Form
Inorganic acid (CAS HMIRA 11551)	STEL	6 mg/m <sup>3</sup>	Inhalable fraction.
	TWA	2 mg/m <sup>3</sup>	Inhalable fraction.
Metal amine chelate (CAS HMIRA 11551)	TWA	1 mg/m <sup>3</sup>	Dust and mist.
		0.2 mg/m <sup>3</sup>	Fume.
Metal salt #2 (CAS HMIRA 11551)	TWA	0.1 mg/m <sup>3</sup>	Inhalable fraction.
		0.02 mg/m <sup>3</sup>	Respirable fraction.
Metal salt #3 (CAS HMIRA 11551)	TWA	1 mg/m <sup>3</sup>	

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

Components	Type	Value	Form
Inorganic acid (CAS HMIRA 11551)	STEL	6 mg/m <sup>3</sup>	Inhalable fraction.
	TWA	2 mg/m <sup>3</sup>	Inhalable fraction.

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

Components	Type	Value	Form
Metal salt #2 (CAS HMIRA 11551)	TWA	0.2 mg/m3	
Metal salt #3 (CAS HMIRA 11551)	TWA	1 mg/m3	

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

Components	Type	Value	Form
Metal salt #2 (CAS HMIRA 11551)	TWA	5 mg/m3	Dust.
Metal salt #3 (CAS HMIRA 11551)	TWA	1 mg/m3	

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

Components	Type	Value
Metal salt #2 (CAS HMIRA 11551)	Ceiling	5 mg/m3

**US. ACGIH Threshold Limit Values**

Components	Type	Value	Form
Inorganic acid (CAS HMIRA 11551)	STEL	6 mg/m3	Inhalable fraction.
	TWA	2 mg/m3	Inhalable fraction.
Metal amine chelate (CAS HMIRA 11551)	TWA	1 mg/m3	Dust and mist.
		0.2 mg/m3	Fume.
Metal salt #2 (CAS HMIRA 11551)	TWA	0.1 mg/m3	Inhalable fraction.
		0.02 mg/m3	Respirable fraction.
Metal salt #3 (CAS HMIRA 11551)	TWA	1 mg/m3	

**US. NIOSH: Pocket Guide to Chemical Hazards**

Components	Type	Value	Form
Metal amine chelate (CAS HMIRA 11551)	TWA	1 mg/m3	Dust and mist.
Metal salt #2 (CAS HMIRA 11551)	STEL	3 mg/m3	Fume.
	TWA	1 mg/m3	Fume.
Metal salt #3 (CAS HMIRA 11551)	TWA	1 mg/m3	

**US. AIHA Workplace Environmental Exposure Level (WEEL) Guides**

Components	Type	Value	Form
Organic amide (CAS HMIRA 11551)	TWA	10 mg/m3	Total particulate.

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

**Appropriate engineering controls** Ensure adequate ventilation.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear chemical goggles.

**Skin protection**

**Hand protection** Wear suitable gloves.

**Other** As required by employer code.

**Respiratory protection** Wear dust mask.

**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

**Physical state** Solid.

<b>Form</b>	Solid.
<b>Color</b>	Blue
<b>Odor</b>	Not available.
<b>Odor threshold</b>	Not available.
<b>pH</b>	2.4 (10% solution)
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	Not available.
<b>Pour point</b>	Not available.
<b>Specific gravity</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Flash point</b>	Not available.
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	170 g/l
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Bulk density</b>	1018 g/cm <sup>3</sup>
<b>Explosive properties</b>	Not explosive.
<b>Oxidizing properties</b>	Not oxidizing.

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## 10. Stability and Reactivity

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<b>Reactivity</b>	May react with incompatible materials.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Conditions to avoid</b>	Do not mix with other chemicals.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	May include and are not limited to: Ammonia.

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## 11. Toxicological Information

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<b>Routes of exposure</b>	Eye, Skin contact, Inhalation, Ingestion.
<b>Information on likely routes of exposure</b>	
<b>Ingestion</b>	May cause stomach distress, nausea or vomiting.
<b>Inhalation</b>	Prolonged inhalation may be harmful.
<b>Skin contact</b>	Causes skin irritation.
<b>Eye contact</b>	Causes serious eye damage.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain.
<b>Information on toxicological effects</b>	
<b>Acute toxicity</b>	

Components	Species	Test Results
Inorganic acid (CAS HMIRA 11551)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 2000 mg/kg, HSDB > 2000 mg/kg, 24 Hours
<i>Inhalation</i>		
LC50	Rat	> 2.1 mg/L, 4 Hours, ECHA > 2 mg/L, 5 Hours, ECHA > 0.2 mg/L, 4 Hours
<i>Oral</i>		
LD50	Chicken	2950 mg/kg, HSDB 3 g/kg
	Dog	2000 mg/kg, HSDB
	Mouse	3450 mg/kg
	Rat	> 2600 mg/kg 4080 mg/kg, ECHA, female 3450 mg/kg, ECHA, male
Metal amine chelate (CAS HMIRA 11551)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Not available	
	Rat	> 2000 mg/kg, 24 Hours
<i>Inhalation</i>		
LC50	Rat	> 5.3 mg/L, 4 Hours 5.3 mg/l/4h, ECHA
<i>Oral</i>		
LD50	Mouse	830 - 1000 mg/kg, ECHA
	Rat	830 mg/kg
Metal salt #1 (CAS HMIRA 11551)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 2000 mg/kg, 24 Hours
	Rat	> 2000 mg/kg
<i>Oral</i>		
LD50	Mouse	926 mg/kg 57 mg/kg
	Rat	623 mg/kg
Metal salt #2 (CAS HMIRA 11551)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Not available	
<i>Inhalation</i>		
LC50	Not available	
	Rat	> 4.5 mg/L, 4 Hours
<i>Oral</i>		
LD100	Mouse	305 mg/kg
LD50	Mouse	2330 mg/kg
	Rat	1470 mg/kg
Metal salt #3 (CAS HMIRA 11551)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Mouse	60.3 mg/kg, HSDB

Components	Species	Test Results
	Rat	> 2000 mg/kg, ECHA > 2000 mg/kg, 24 Hours 155 mg/kg, HSDB
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Dog	600 mg/kg, HSDB
	Mouse	1520 mg/kg, HSDB 670 - 680 mg/kg
	Mouse, Rat	1025 mg/kg
	Rat	> 2000 mg/kg, ECHA 3200 mg/kg 319 mg/kg, HSDB 3.2 g/kg
Organic acid (CAS HMIRA 11551)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rat	> 2000 mg/kg, 24 Hours, ECHA
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Mouse	5400 mg/kg, ECHA 5040 mg/kg, HSDB
	Rat	11700 mg/kg, ECHA 6730 mg/kg, HSDB
Organic amide (CAS HMIRA 11551)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	21000 mg/kg
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Cattle	510 mg/kg
	Mouse	11500 mg/kg 11000 mg/kg
	Rat	14300 mg/kg 8471 mg/kg
	Sheep	510 mg/kg
<b>Skin corrosion/irritation</b>	Causes skin irritation.	
<b>Exposure minutes</b>	Not available.	
<b>Erythema value</b>	Not available.	
<b>Oedema value</b>	Not available.	
<b>Serious eye damage/eye irritation</b>	Causes serious eye damage.	
<b>Corneal opacity value</b>	Not available.	
<b>Iris lesion value</b>	Not available.	
<b>Conjunctival reddening value</b>	Not available.	
<b>Conjunctival oedema value</b>	Not available.	
<b>Recover days</b>	Not available.	

**Respiratory or skin sensitization****Canada - Alberta OELs: Irritant**

Metal salt #3 (CAS HMIRA 11551) 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** See below.**Canada - Manitoba OELs: carcinogenicity**

BORATE COMPOUNDS, INORGANIC, INHALABLE FRACTION (CAS HMIRA 11551) Not classifiable as a human carcinogen.

MANGANESE ELEMENTAL AND INORGANIC COMPOUNDS, AS MN, INHALABLE FRACTION (CAS HMIRA 11551) Not classifiable as a human carcinogen.

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

Not listed.

**Reproductive toxicity** May damage fertility or the unborn child.**Teratogenicity** Not available.**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 an aspiration hazard.**Chronic effects** Prolonged inhalation may be harmful.

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**12. Ecological Information**

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**Ecotoxicity** See below**Ecotoxicological data**

Components		Species	Test Results
Inorganic acid (CAS HMIRA 11551)			
Crustacea	EC50	Daphnia	134 mg/L, 48 Hours
<b>Aquatic</b>			
Fish	LC50	Razorback sucker ( <i>Xyrauchen texanus</i> )	> 100 mg/L, 96 hours
		Channel catfish ( <i>Ictalurus punctatus</i> )	838 mg/L, 96 hours
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
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
Crustacea	EC50	Daphnia	152 mg/L, 48 Hours
<b>Aquatic</b>			
Crustacea	EC50	Water flea ( <i>Daphnia magna</i> )	6.15 - 9.26 mg/L, 48 hours
Fish	LC50	Carp ( <i>Cyprinus carpio</i> )	0.56 mg/L, 96 hours
<i>Acute</i>			
Crustacea	EC50	Daphnia magna	120 mg/L, 72 hr
<b>Aquatic</b>			
<i>Acute</i>			
Fish	LC50	Bluegill ( <i>Lepomis macrochirus</i> )	1516 mg/L, 96 hr
Crustacea	EC50	Daphnia	10000 mg/L, 48 Hours
<b>Aquatic</b>			
Crustacea	EC50	Water flea ( <i>Daphnia magna</i> )	3910 mg/L, 48 hours
Fish	LC50	Giant gourami ( <i>Colisa fasciata</i> )	5 mg/L, 96 hours

**Persistence and degradability** No data is available on the degradability of this product.**Bioaccumulative potential****Mobility in soil****Mobility in general** No data 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.

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**13. Disposal Considerations**

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<b>Disposal instructions</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous waste code</b>	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Waste from residues / unused products</b>	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).
<b>Contaminated packaging</b>	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.

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**14. Transport Information**

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**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.

**General**

IMDG:  
Special Provisions: 274, 335, 966, 967, 969  
Limited and Excepted Quantity Provisions: Limited Quantities: 5 kg  
Limited and Excepted Quantity Provisions: Excepted Quantities: E1  
Packing: Instructions: P002, LP02  
IBC: Instructions: IBC08  
IBC: Provisions: B3

IATA: Passenger and Cargo Aircraft: Limited Quantity: Pkg Inst: Y956  
Passenger and Cargo Aircraft: Limited Quantity: Max Net Qty/Pkg: 30kg G  
Passenger and Cargo Aircraft: Pkg Inst: 956  
Passenger and Cargo Aircraft: Max Net/Qty Pkg: 400kg  
Cargo Aircraft Only: Pkg Inst: 956  
Cargo Aircraft Only: Max Net Qty/Pkg: 400kg

**U.S. Department of Transportation (DOT)****Basic shipping requirements:**

**UN number** UN3077  
**Proper shipping name** Environmentally hazardous substance, solid, n.o.s.  
**Technical name** Zinc sulfate, monohydrate  
**Hazard class** 9  
**Packing group** III  
**Special provisions** 8, 146, 335, 384, A112, B54, B120, IB8, IP3, N20, N91, T1, TP33

**Transportation of Dangerous Goods (TDG - Canada)****Basic shipping requirements:**

**UN number** UN3077  
**Proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
**Technical name** Zinc sulfate, monohydrate  
**Hazard class** 9  
**Packing group** III  
**Special provisions** 16, 99

**IATA/ICAO (Air)****Basic shipping requirements:**

**UN number** UN3077  
**Proper shipping name** Environmentally hazardous substance, solid, n.o.s.  
**Technical name** Zinc sulfate, monohydrate  
**Hazard class** 9  
**Packing group** III

**IMDG (Marine Transport)****Basic shipping requirements:**

**UN number** UN3077  
**Proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
**Technical name** Zinc sulfate, monohydrate  
**Hazard class** 9  
**Packing group** III




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## 15. Regulatory Information

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**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**

Metal salt #1 (CAS HMIRA 11551) Listed.

**Canada Priority Substances List (Second List): Listed substance**

Metal salt #1 (CAS HMIRA 11551) 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)**

Metal amine chelate (CAS HMIRA 11551) Listed.

Metal salt #2 (CAS HMIRA 11551) Listed.

Metal salt #3 (CAS HMIRA 11551) 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.
Metal salt #1	HMIRA 11551	HMIRA 11551
Metal salt #2	HMIRA 11551	HMIRA 11551

**Other federal regulations**

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

Metal salt #2 (CAS HMIRA 11551)

**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 amine chelate (CAS HMIRA 11551) Listed.

Metal salt #1 (CAS HMIRA 11551) Listed.

Metal salt #2 (CAS HMIRA 11551) Listed.

Metal salt #3 (CAS HMIRA 11551) Listed.

**US - Illinois Chemical Safety Act: Listed substance**

Metal amine chelate (CAS HMIRA 11551)

Metal salt #2 (CAS HMIRA 11551)

Metal salt #3 (CAS HMIRA 11551)

**US - Louisiana Spill Reporting: Listed substance**

Metal amine chelate (CAS HMIRA 11551) Listed.

Metal salt #2 (CAS HMIRA 11551) Listed.

Metal salt #3 (CAS HMIRA 11551) Listed.

**US - Michigan Critical Materials Register: Parameter number**

Metal amine chelate (CAS HMIRA 11551) COPPER

Metal salt #1 (CAS HMIRA 11551) ZINC

**US - Minnesota Haz Subs: Listed substance**

Metal salt #2 (CAS HMIRA 11551) Listed.

Metal salt #3 (CAS HMIRA 11551) Listed.

Organic amide (CAS HMIRA 11551) Listed.

**US - New Jersey RTK - Substances: Listed substance**

Inorganic acid (CAS HMIRA 11551)

Metal amine chelate (CAS HMIRA 11551)

Metal salt #2 (CAS HMIRA 11551)

Metal salt #3 (CAS HMIRA 11551)

**US - North Carolina Toxic Air Pollutants: Listed substance**

Metal salt #2 (CAS HMIRA 11551)

**US - Texas Effects Screening Levels: Listed substance**

Inorganic acid (CAS HMIRA 11551) Listed.

Metal salt #3 (CAS HMIRA 11551) Listed.

Organic acid (CAS HMIRA 11551) Listed.

Organic amide (CAS HMIRA 11551) Listed.

**US. Massachusetts RTK - Substance List**

Metal salt #1 (CAS HMIRA 11551)

Metal salt #3 (CAS HMIRA 11551)

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

Metal amine chelate (CAS HMIRA 11551)

Metal salt #1 (CAS HMIRA 11551)

Metal salt #2 (CAS HMIRA 11551)

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

Metal amine chelate (CAS HMIRA 11551)

Metal salt #2 (CAS HMIRA 11551)

Metal salt #3 (CAS HMIRA 11551)

**US. Rhode Island RTK**

Metal salt #3 (CAS HMIRA 11551)

**US. California Proposition 65**

Not Listed.

**Inventory status**

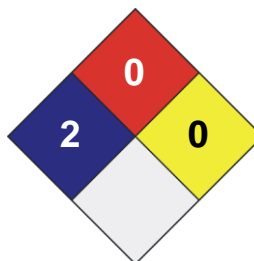
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*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

<b>HEALTH</b>	* 2
<b>FLAMMABILITY</b>	0
<b>PHYSICAL HAZARD</b>	0
<b>PERSONAL PROTECTION</b>	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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**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.