

SAFETY DATA SHEET

1. Product and Company Identification

Product identifier ProAcqua™ Burst

Other means of identification Proprietary blend of plant nutrients

Synonyms Not available

Recommended use Source of plant nutrients for food and non-food crops

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 hazardsOxidizing solidsCategory 2Health hazardsAcute toxicity, inhalationCategory 4

Skin corrosion/irritation Category 2
Serious eye damage/eye irritation Category 2
Reproductive toxicity Category 1B

Specific target organ toxicity, single exposure Category 3 respiratory tract irritation

Environmental hazards Not classified.

WHMIS 2015 defined hazards Not classified

Label elements



Signal word Danger

Hazard statement May intensify fire; oxidizer.

Harmful if inhaled. Causes skin irritation. Causes serious eye irritation.

May damage fertility or the unborn child.

May cause respiratory irritation.

Precautionary statement

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

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Keep away from clothing and other combustible materials.

Avoid breathing dust.

Use only outdoors or in a well-ventilated area.

Wash thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

Response In case of fire: Use appropriate media to extinguish.

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 eye irritation persists: Get medical advice/attention.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON

CENTER/doctor if you feel unwell.

IF exposed or concerned: Get medical advice/attention.

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Store in a well-ventilated place. Keep container tightly closed. Store locked up. Storage

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	%
Inorganic acid		HMIRA 11555	HMIRA 11555
Metal amine chelate		HMIRA 11555	HMIRA 11555
Nitrate salt #1		HMIRA 11555	HMIRA 11555
Nitrate salt #2		HMIRA 11555	HMIRA 11555

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 2017-05-30

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.

Specific treatment (see information on this label). Take off contaminated clothing and wash it

before reuse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present Eye contact

and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Rinse mouth. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to Ingestion reduce risk of aspiration. Never give anything by mouth if victim is unconscious, or is convulsing.

Get medical attention if symptoms occur.

Most important

symptoms/effects, acute and

delayed

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Skin irritation. May cause redness and pain.

Indication of immediate medical attention and special treatment needed

Symptoms may be delayed.

General information

Take off all contaminated clothing immediately. Contact with combustible material may cause fire. 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. Wash contaminated clothing before reuse. Avoid contact with eyes and skin. Keep out of reach of children.

5. Fire Fighting Measures

Suitable extinguishing media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing

media

Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from

the chemical

Greatly increases the burning rate of combustible materials. Containers may explode when heated. 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

Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers.

Specific methods General fire hazards Cool containers exposed to flames with water until well after the fire is out. May intensify fire; oxidizer. Contact with combustible material may cause fire.

Hazardous combustion

May include and are not limited to: Oxides of phosphorus. Ammonia.

products

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6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep away from clothing and other combustible materials. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of dust. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Ventilate the contaminated area. 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.

Value

Form

Environmental precautions

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

7. Handling and Storage

Precautions for safe handling

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

Take any precaution to avoid mixing with combustibles.

Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Wear appropriate personal protective equipment.

Avoid breathing dust.

Provide adequate ventilation.

Pregnant or breastfeeding women must not handle this product.

Observe good industrial hygiene practices.

Wash thoroughly after handling. When using do not eat or drink.

Conditions for safe storage, including any incompatibilities

Store in original tightly closed container.

Store in a well-ventilated place.

Do not store near combustible materials. Keep away from heat. Store away from incompatible materials (see Section 10 of the SDS).

Keep out of reach of children.

Store locked up.

8. Exposure Controls/Personal Protection

Occupational exposure limits

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

Components	Туре	Value	Form
Inorganic acid (CAS HMIRA 11555)	STEL	6 mg/m3	Inhalable
	TWA	2 mg/m3	Inhalable
Canada. Manitoba OELs (Reg. 217/	2006, The Workplace Safety A	And Health Act)	
Components	Туре	Value	Form
Inorganic acid (CAS HMIRA 11555)	STEL	6 mg/m3	Inhalable fraction.
	TWA	2 mg/m3	Inhalable fraction.
Metal amine chelate (CAS HMIRA 11555)	TWA	1 mg/m3	Dust and mist.
,		0.2 mg/m3	Fume.
Canada. Ontario OELs. (Control of	Exposure to Biological or Ch	emical Agents)	
Components	Type	Value	Form
Inorganic acid (CAS HMIRA 11555)	STEL	6 mg/m3	Inhalable fraction.
	TWA	2 mg/m3	Inhalable fraction.
US. ACGIH Threshold Limit Values			
Components	Туре	Value	Form
Inorganic acid (CAS HMIRA 11555)	STEL	6 mg/m3	Inhalable fraction.
	TWA	2 mg/m3	Inhalable fraction.
Metal amine chelate (CAS HMIRA 11555)	TWA	1 mg/m3	Dust and mist.
		0.2 mg/m3	Fume.

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US. NIOSH: Pocket Guide to Chemical Hazards

Form Value Components Metal amine chelate (CAS TWA 1 mg/m3 Dust and mist.

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

Appropriate engineering

HMIRA 11555)

Ensure adequate ventilation.

controls

Individual protection measures, such as personal protective equipment

Eye/face protection Safety glasses or goggles.

Skin protection

Wear suitable gloves. Confirm with a reputable supplier first. Hand protection

Other As required by employer code.

Respiratory protection Wear dust mask. Not applicable. Thermal hazards

General hygiene considerations

Keep from contact with clothing and other combustible materials. Remove and wash contaminated clothing promptly. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. When using do not eat or drink.

9. Physical and Chemical Properties

Powder **Appearance** Solid. Physical state **Form** Solid. Color Yellow

Not available. Odor Not available. Odor threshold

pН

Not available. Melting point/freezing point Not available. Initial boiling point and boiling

range

Not available. Pour point Not available. Specific gravity Not available. **Partition coefficient**

(n-octanol/water)

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

Upper/lower flammability or explosive limits

Flammability limit - lower

(%)

Not available.

Flammability limit - upper

(%)

Not available.

Not available. **Explosive limit - lower (%)** Explosive limit - upper (%) Not available.

Vapor pressure Not available. Not available. Vapor density Relative density Not available.

750 g/l Solubility(ies)

Not available. **Auto-ignition temperature Decomposition temperature** Not available. **Viscosity** Not available.

Other information

Bulk density 1100 g/cm³ Not explosive. **Explosive properties**

May intensify fire; oxidizer. **Oxidizing properties**

10. Stability and Reactivity

Reactivity May react with incompatible materials.

Possibility of hazardous

reactions

Hazardous polymerization does not occur.

Chemical stabilityMaterial is stable under normal conditions.Conditions to avoidHeat. Do not mix with other chemicals.Incompatible materialsCombustible material. Reducing agents.

Hazardous decomposition

products

May include and are not limited to: Ammonia. Oxides of phosphorus.

11. Toxicological Information

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

Information on likely routes of exposure

Ingestion May cause stomach distress, nausea or vomiting.

InhalationHarmful if inhaled.Skin contactCauses skin irritation.Eye contactCauses serious eye irritation.

Symptoms related to the physical, chemical and

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred

vision.

toxicological characteristics May cause respiratory irritation.

Skin irritation. May cause redness and pain.

Information on toxicological effects

Acute toxicity Harmful if inhaled. May cause respiratory irritation.

Components Species Test Results

Inorganic acid (CAS HMIRA 11555)

Acute Dermal

LD50 Rabbit > 2000 mg/kg, HSDB > 2000 mg/kg, 24 Hours

Inhalation

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

> 2 mg/L, 5 Hours, ECHA

> 0.2 mg/L, 4 Hours

Oral

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 11555)

Acute

Dermal

LD50 Not available

Rat > 2000 mg/kg, 24 Hours

Inhalation

LC50 Rat > 5.3 mg/L, 4 Hours

5.3 mg/l/4h, ECHA

Oral

LD50 Mouse 830 - 1000 mg/kg, ECHA

Rat 830 mg/kg

Nitrate salt #1 (CAS HMIRA 11555)

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Test Results Components **Species** Acute Dermal Rabbit LD50 7940 mg/kg > 5000 mg/kg, ECHA Rat > 5000 mg/kg, 24 Hours Oral LD50 Mouse 2085 mg/kg, ECHA Rat 4500 mg/kg, HSDB 2950 mg/kg 2800 mg/kg, HSDB 2217 mg/kg, Sigma Aldrich Nitrate salt #2 (CAS HMIRA 11555) Acute Dermal Rat LD50 > 5000 mg/kg, ECHA > 5000 mg/kg, 24 Hours Inhalation LC50 Rat > 0.5 mg/l/4h, ECHA > 0.5 mg/L, 4 Hours Oral LD50 Rabbit 1901 mg/kg, ECHA 1166 mg/kg, HSDB Rat > 2000 mg/kg 3750 mg/kg, ECHA Causes skin irritation. Skin corrosion/irritation Not available. **Exposure minutes** Erythema value Not available. Oedema value Not available. Causes serious eye irritation. Serious eye damage/eye irritation Not available. Corneal opacity value Not available. Iris lesion value Not available. Conjunctival reddening value Conjunctival oedema value Not available. Recover days Not available. Respiratory or skin sensitization Respiratory sensitization Not a respiratory sensitizer. This product is not expected to cause skin sensitization. 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. 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 -May cause respiratory irritation. single exposure

Aspiration hazard Not an aspiration hazard.

Specific target organ toxicity -

repeated exposure

Chronic effects Prolonged inhalation may be harmful.

Not classified.

12. Ecological Information

Ecotoxicity See below

Ecotoxicological data

Components Species Test Results

Inorganic acid (CAS HMIRA 11555)

Crustacea EC50 Daphnia 134 mg/L, 48 Hours

Aquatic

Fish LC50 Razorback sucker (Xyrauchen texanus) > 100 mg/L, 96 hours

Channel catfish (Ictalurus punctatus) 838 mg/L, 96 hours

Western mosquitofish (Gambusia affinis) 22.5 mg/L, 96 hours

Persistence and degradability

No data is available on the degradability of this product.

Bioaccumulative potentialNo 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 instructionsDispose 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 Since emptied containers may retain product residue, follow label warnings even after container is

emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal.

14. Transport Information

Transport of Dangerous Goods (TDG) Proof of Classification

General

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.

IMDG:

Special Provisions: 274, 900

Limited and Excepted Quantity Provisions: Limited Quantities: 1 kg Limited and Excepted Quantity Provisions: Excepted Quantities: E2

Packing: Instructions: P002 IBC: Instructions: IBC08 IBC: Provisions: B4, B21

IATA:

Passenger and Cargo Aircraft: Limited Quantity: Pkg Inst: Y544

Passenger and Cargo Aircraft: Limited Quantity: Max Net Qty/Pkg: 2.5 kg

Passenger and Cargo Aircraft: Pkg Inst: 558

Passenger and Cargo Aircraft: Max Net/Qty Pkg: 5 kg

Cargo Aircraft Only: Pkg Inst: 562

Cargo Aircraft Only: Max Net Qty/Pkg: 25 kg

U.S. Department of Transportation (DOT)

Basic shipping requirements:

UN number UN1479

Proper shipping name Oxidizing solid, n.o.s.

Hazard class 5.1 Packing group

Special provisions 62, 148, IB8, IP3, T1, TP33

Packaging exceptions 152
Packaging non bulk 213
Packaging bulk 240

Transportation of Dangerous Goods (TDG - Canada)

Basic shipping requirements:

UN number UN1479

Proper shipping name OXIDIZING SOLID, N.O.S.

Hazard class 5.1

Packing group II Special provisions 16, 68

IATA/ICAO (Air)

Basic shipping requirements:

UN number UN1479

Proper shipping name Oxidizing solid, n.o.s.

Hazard class 5.1
Packing group II
ERG code 5L

IMDG (Marine Transport)

Basic shipping requirements:

UN number UN1479

Proper shipping name OXIDIZING SOLID, N.O.S.

Hazard class 5.1 Packing group II

DOT



IATA; IMDG; TDG



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 amine chelate (CAS HMIRA 11555) Listed.

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

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

No

Hazard categories Immediate Hazard - Yes

Delayed Hazard - Yes Fire Hazard - No Pressure Hazard - No Reactivity Hazard - Yes

SARA 302 Extremely

hazardous substance

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.	
Nitrate salt #1	HMIRA 11555	HMIRA 11555	

Other federal regulations

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

No

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 amine chelate (CAS HMIRA 11555) Listed.

US - Illinois Chemical Safety Act: Listed substance

Metal amine chelate (CAS HMIRA 11555)

US - Louisiana Spill Reporting: Listed substance

Metal amine chelate (CAS HMIRA 11555) Listed. **US - Michigan Critical Materials Register: Parameter number**Metal amine chelate (CAS HMIRA 11555) COPPER

US - New Jersey RTK - Substances: Listed substance

Inorganic acid (CAS HMIRA 11555)

Metal amine chelate (CAS HMIRA 11555)

Nitrate salt #1 (CAS HMIRA 11555)

Nitrate salt #2 (CAS HMIRA 11555)

US - Texas Effects Screening Levels: Listed substance

Inorganic acid (CAS HMIRA 11555)

Listed.

Nitrate salt #1 (CAS HMIRA 11555)

Listed.

Nitrate salt #2 (CAS HMIRA 11555)

Listed.

US. Massachusetts RTK - Substance List

Nitrate salt #1 (CAS HMIRA 11555)

Nitrate salt #2 (CAS HMIRA 11555)

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

Metal amine chelate (CAS HMIRA 11555)

Nitrate salt #1 (CAS HMIRA 11555)

Nitrate salt #2 (CAS HMIRA 11555)

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

Metal amine chelate (CAS HMIRA 11555)

Nitrate salt #1 (CAS HMIRA 11555)

Nitrate salt #2 (CAS HMIRA 11555)

US. Rhode Island RTK

Nitrate salt #1 (CAS HMIRA 11555)

Nitrate salt #2 (CAS HMIRA 11555)

US. California Proposition 65

Not Listed.

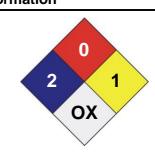
Inventory status

Country(s) or region	Inventory name O	n inventory (yes/no)*		
Canada	Domestic Substances List (DSL)	No		
Canada	Non-Domestic Substances List (NDSL)	No		
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No		
*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)				

16. Other Information







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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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Effective date 17-November-2017

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.

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