SAFETY DATA SHEET

1. Identification

Product identifier

Sulfate of Potash

Other means of identification

Protassium+® Ag Granular/ Mid Granular/ Standard Fines for Organic Production Sulfate of Potash 0-0-50 Plus 17% Sulfur; Protassium+® Ag Granular/ Mid Granular/ Mini Granular/ Standard Fines/ Greens Grade/ 220 GR ECO/ 220 GR Sulfate of Potash 0-0-50 Plus 17% Sulfur; Protassium+® 17 GL/ 30 GL/ 40 GL Sulfate of Potash 0-0-52 Plus 18% Sulfur; Protassium+® 3 IX/ 17 IX/ 40 IX/ 90 IX/ 145 IX/ Sulfate of Potash 0-0-53 Plus 18% Sulfur; Potassium Sulfate 3 IX/ 17 IX/ 40 IX; Potassium Sulfate 3 IX MC/ 17 GL/ 40 GL; Potassium Sulfate SOP-3 MC; K₂SO₄-KCI Ultra Superfine Blend

Synonyms

Potassium Sulfate

Recommended use

Specialty crop nutrient, turf grass fertilizer, general fertilizer uses and specialty industrial uses.

Recommended restrictions

None known.

Manufacturer information

Compass Minerals Ogden Inc.

765 N 10500 W Ogden, UT 84404 Phone: 1-800-551-8216

Supplier

Compass Minerals Wynyard Inc.

#2 Big Quill Road

Wynyard, SK S0A 4T0 Canada Phone: 1-800-551-8216

CHEMTREC

1-800-424-9300

CANUTEC

1-613-996-6666 (Transport)

2. Hazard identification

Physical hazardsNot classified.Health hazardsNot classified.Environmental hazardsNot classified.WHMIS 2015 defined hazardsNot classified

Label elements

Hazard symbol None.
Signal word None.

Hazard statement The substance does not meet the criteria for classification.

Precautionary statement

Prevention Observe good industrial hygiene practices.

Response Wash hands after handling.

Storage Store away from incompatible materials.

None known

Disposal Dispose of waste and residues in accordance with local authority requirements.

WHMIS 2015: Health Hazard(s)

not otherwise classified

(HHNOC)

WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC) None known

Hazard(s) not otherwise

None known.

classified (HNOC)

Supplemental information None.

3. Composition/Information on ingredients

Substance

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4. First-aid measures

If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention. Inhalation

Skin contact Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.

Eye contact Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical

attention if irritation persists.

Do not induce vomiting. Never give anything by mouth if victim is unconscious or is convulsing. Ingestion

Obtain medical attention.

Most important

symptoms/effects, acute and

delayed

Direct contact with eyes may cause temporary irritation.

Exposed individuals may experience eye tearing, redness and discomfort.

Indication of immediate medical attention and special

treatment needed

Treat patient symptomatically.

Treat for surrounding material.

General information

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. Wear rubber gloves and safety glasses with side shields. Keep out of reach of children.

Firefighters should wear full protective clothing including self-contained breathing apparatus.

5. Fire-fighting measures

Suitable extinguishing media

Unsuitable extinguishing

None known.

Specific hazards arising from

the chemical

Firefighters should wear a self-contained breathing apparatus.

Special protective equipment and precautions for firefighters

In the event of fire, cool tanks with water spray.

Fire-fighting equipment/instructions

Specific methods

Hazardous combustion products

Cool containers exposed to flames with water until well after the fire is out. May include and are not limited to: Oxides of sulfur. Oxides of potassium.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear a dust mask if dust is generated above exposure limits. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of dust from the spilled material. 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 breathing dust.

Minimize dust generation and accumulation.

Provide appropriate exhaust ventilation at places where dust is formed. In case of insufficient ventilation, wear suitable respiratory equipment. Use good industrial hygiene practices in handling this material.

Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities Guard against dust accumulation of this material.

Store in a well-ventilated place. Store in a closed container. Keep out of reach of children.

8. Exposure controls/Personal protection

Occupational exposure limits

No exposure limits noted for ingredient(s).

Biological limit values Exposure guidelines

No biological exposure limits noted for the ingredient(s). This material does not have established exposure limits. Appropriate engineering controls

TWA PEL: No specific limits have been established for potassium sulfate (a soluble substance). As a guideline, OSHA (United States) has established the following limits, which are generally recognized for inert or nuisance dust. Particulates Not Otherwise Regulated (PNOR): 5mg/cu.m. Respirable Dust 8-Hour TWA PEL, 15mg/cu.m. Total Dust 8-Hour TWA PEL.

TWA TLV: No specific limits have been established for potassium sulfate (a soluble substance). As a guideline, ACGIH (United States) has established the following limits, which are generally recognized for inert or nuisance dust. Particulates (insolubles) Not Otherwise Classified (PNOC): 10mg/cu.m. Inhalable Particulate 8-Hours TWA TLV, 3mg/cu.m. Respirable Particulate TWA TLV.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety glasses with side shields.

Skin protection

Use protective gloves. Confirm with a reputable supplier first. Hand protection

As required by employer code. Other

Respiratory protection Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

> Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134),

CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).

Thermal hazards

considerations

General hygiene

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. Do not eat, drink or smoke when using the product.

9. Physical and chemical properties

Solid. **Appearance** Solid. Physical state

Powder, Crystals or Granular. **Form**

Off-white, Beige, Brown, Grey, Pink, or Pale Orange Color

Not available.

Odorless. Odor Not available. **Odor threshold** 6 - 10 (5% solution)

Melting point/freezing point Initial boiling point and boiling

range

3072.2 °F (1689 °C)

1952.6 °F (1067 °C)

3072.2 °F (1689 °C)

Not available. Pour point

2.66 @21°C (H2O = 1) Specific gravity

Partition coefficient

Not available.

(n-octanol/water)

None Flash point

Not applicable. **Evaporation rate** Non-flammable. Flammability (solid, gas)

Upper/lower flammability or explosive limits

Flammability limit - lower

Non-flammable.

Flammability limit - upper

Non-flammable.

Non-flammable. Explosive limit - lower (%) Explosive limit - upper (%) Non-flammable.

Vapor pressure None.

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

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2.66 g/cm3 estimated Density

K2SO4 Molecular formula Molecular weight 174.27

10. Stability and reactivity

May react with the following components: Aluminum. Magnesium.

Possibility of hazardous

reactions

Reactivity

Hazardous polymerization does not occur.

Chemical stability Stable under recommended storage conditions.

Conditions to avoid Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

Do not mix with other chemicals.

Incompatible materials

Hazardous decomposition products

None when used and stored according to label directions.

May include and are not limited to: Oxides of sulfur. Oxides of potassium.

11. Toxicological information

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

Information on likely routes of exposure

Ingestion May cause stomach distress, nausea or vomiting. Inhalation Inhalation of dusts may cause respiratory irritation.

May be irritating to the skin. Skin contact

Eye contact May be irritating to eyes. Dust in the eyes will cause irritation.

Symptoms related to the

Direct contact with eyes may cause temporary irritation.

physical, chemical and toxicological characteristics Exposed individuals may experience eye tearing, redness and discomfort.

Information on toxicological effects

Acute toxicity

Skin corrosion/irritation May cause irritation.

Exposure minutes Not available. Not available. Erythema value Oedema value Not available.

Serious eye damage/eye

irritation

Dust in the eyes will cause irritation.

Not available. Corneal opacity value Not available. Iris lesion value Not available. Conjunctival reddening

value

Not available. Conjunctival oedema value Recover days Not available.

Respiratory or skin sensitization

Not available. Respiratory sensitization Skin sensitization Not available. Mutagenicity Not classified.

Not classified or listed by IARC, NTP, OSHA and ACGIH. Carcinogenicity

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not listed.

Not classified. Reproductive toxicity Not classified. **Teratogenicity** Specific target organ toxicity -Not available. single exposure

Specific target organ toxicity -

repeated exposure

Not available.

Aspiration hazard Not available. Not available. Chronic effects

12. Ecological information

Ecotoxicity Not available.

Ecotoxicological data

Product Species Test Results

Sulfate of Potash

Aquatic

Fish LC50 Fathead minnow (Pimephales promelas) 510 - 880 mg/L, 96 hours

Persistence and degradability
Bioaccumulative potential
Mobility in soil
Mobility in general
Not available.
Not available.
Not 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 Waste must be disposed of in accordance with federal, state/provincial and local environmental

control 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

Classification Method: Classified as per Part 2, Sections 2.1 - 2.8 of the Transportation of Dangerous Goods Regulations. If applicable, the technical name and the classification of the

product will appear below.

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

Not controlled

US federal regulations

This product is NOT known to be 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.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely

No

hazardous substance

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SARA 311/312 Hazardous No

chemical

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 Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

Inventory status

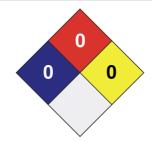
| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| Canada | Domestic Substances List (DSL) | Yes |
| Canada | Non-Domestic Substances List (NDSL) | No |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | 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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Further information Not available.