MATERIAL SAFETY DATA SHEET

Potash, Sulfurated

SECTION 1 . Product and Company Identification

Product Name and Synonym: Potash, Sulfurated
Product Code: P2685
Material Uses: Science Stuff
Manufacturer: 1104 Newport Ave
Austin, TX 78753
(512) 837-6020
Entry Date: 6/14/2013
Print Date: 6/14/2013
24 Hour Emergency Assistance: Chemtrec 800-424-9300
Canutec 613-996-6666

SECTION 2 HAZARD IDENTIFICATION

Harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

Physical state: Solid. (Flakes.)
Odor: Rotten eggs.
OSHA/HCS status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Emergency overview:

WARNING!
HARMFUL IF INHALED OR ABSORBED THROUGH THE SKIN OR SWALLOWED CAUSES SEVERE RESPIRATORY TRACT, EYE AND SKIN IRRITATION.

CONTACT WITH ACID LIBERATES POISONOUS GAS.

Do not ingest. Avoid contact with with eyes, skin and clothing. Avoid breathing dust. Keep container closed. Use only adequate ventilation. Wash thoroughly after handling.

Routes of entry:
Dermal contact. Eye contact. Inhalation. Ingestion.

Potential acute health effects

Eyes: Severely irritating to eyes.
Skin: Toxic in contact with skin. Severely irritating to the skin
Inhalation: Toxic by inhalation. Severely irritating to the respiratory system.
Ingestion: Toxic if swallowed.
Carcinogenic effects: No known significant effects or critical hazards.
Mutagenic effects: No known significant effects or critical hazards.
Teratogenicity/Reproductive toxicity: No known significant effects or critical hazards.

Medical conditions aggravated by overexposure: Repeated skin exposure can produce local skin destruction or dermatitis. Repeated or prolonged exposure to the substance can produce lung damage. Repeated exposure of the eyes to a low level of dust can produce eye irritation.

SECTION 3 MIXTURE COMPONENTS
SECTION 4  FIRST AID MEASURES

Harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

FIRST AID: SKIN: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

SECTION 5  FIRE FIGHTING MEASURES

Fire Extinguisher Type: Any means suitable for extinguishing surrounding fire

Fire / Explosion Hazards: Dust may form explosive mixture with air. Toxic gases produced: sulfur dioxide, hydrogen sulfide.

Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

SECTION 6  ACCIDENTAL RELEASE MEASURES

Sweep up and place in suitable (fiberboard) containers for reclamation or later disposal.

Personal precautions: Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment.

Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Methods for cleaning up: If emergency personnel are unavailable, vacuum or carefully scoop up spilled material and place in an appropriate container for disposal by incineration. Avoid creating dusty conditions and prevent wind dispersal.

SECTION 7  HANDLING AND STORAGE

Keep container tightly closed. Store in a cool, dry, well ventilated area, away from heat, sparks and flames.

SECTION 8  EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: NIOSH/MSHA-approved respirator

Ventilation

Local Exhaust ✓

Mechanical □

Protective Gloves: Impervious gloves

Eye Protection: Chemical workers goggles
Other Protective Equipment: Wear appropriate clothing to prevent skin exposure.

Consult local authorities for acceptable exposure limits.

Engineering measures: Use only with adequate ventilation. If user operations generate dust, fumes, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Personal Protection

Eyes: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.

Recommended: safety glasses with side-shields,

Skin: Personal protective equipment for the body should be selected based on the task being performed and risks involved and should be approved by a specialist before handling this product.

Body recommended: lab coat and gloves

Respiratory: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hands: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

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<td>Boiling Point</td>
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<tr>
<td>Upper Flamm. Limit in Air</td>
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Potash, Sulfurated

SECTION 10  STABILITY AND REACTIVITY INFORMATION

Stability:
Conditions to Avoid: Air, heat, flame, other sources of ignition, dusting.
Materials to Avoid: Acids, alcohols, oxidizing agents, reducing agents, combustible materials, common metals
Hazardous Decomposition Products: Hydrogen sulfide, oxides of sulfur
Hazardous polymerization: Will Not Occur
Conditions to Avoid: None known

SECTION 11  Toxicological Information

Other toxic effects on humans: Very hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of ingestion, of inhalation (lung irritant).

Specific effects
Carcinogenic effects: No known significant effects or critical hazards
Mutagenic effects: No known significant effects or critical hazards
Teratogenicity/Reproductive toxicity: No known significant effects or critical hazards

Sensitization
Ingestion: No known significant effects or critical hazards
Inhalation: Severely irritating to respiratory system.
Eyes: Severely irritating to eyes.
Skin: Severely irritating to the skin.

SECTION 12  Ecological Information

Environmental precautions: No known significant effects or critical hazards.

SECTION 13  Disposal Considerations

Waste disposal: the generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-product should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

SECTION 14  Transport Information

DOT Classification: Not Regulated

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

SECTION 15  Regulatory Information

United States
HCS Classification: Toxic material
Irritating material

U.S. Federal regulations:
United States inventory (TSCA 8b): listed
TSCA (Toxic Substance Control Act): This product is listed on the TSCA Inventory.
SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notifications: No products were found.
SARA 302/304/311/312 hazardous chemicals: Potash, Sulfurated
SARA 311/312 MSDS distribution- Chemical inventory- hazard identification: Potash, Sulfurated
Immediate (acute) health hazard
Clean Water Act (CWA) 307: No products were found
Clean Water Act (CWA) 311: No products were found
Clean Air Act (CAA) 112 accidental release prevention: No products were found
Clean Air Act (CAA) 112 regulated flammable substance: No products were found
Clean Air Act (CAA) 112 regulated toxic substance: No products were found.

State regulations: No products were found

Canada
WHMIS (Canada): Class D-2B: Material causing other toxic effects (Toxic)
CEPA DSL/ CEPA NDSL: CEPA DSL:

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

SECTION 16 Additional Information

Flammability

Health Reactivity

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<th>Revisions</th>
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