

MATERIAL SAFETY DATA SHEET

This Material Safety Data Sheet meets or exceeds the requirements of the Canadian Controlled Product Regulations (WHMIS)

1. Product and Supplier Identification

Product: K-2 Strip #9992302

Product Use: Abrasive Media

Manufacturer: Target Products Ltd,
1080 Bradner Road
Abbotsford, BC
Canada, V4X 1H8
Telephone: 1.604.856.7976

24-Hour Emergency Response Telephone for Transport Emergencies ONLY: +1 (613) 996-6666

2. Hazards Identification

Route(s) of Entry: Eye contact, inhalation, ingestion, skin

Acute Exposure: None

Chronic Effects: Repeated and prolonged exposure target organ damage, exposure of the eyes to low level dust can produce irritation, repeated skin exposure can produce irritation, sensitization, dermatitis, or localized skin damage. Repeated inhalation of dust can produce varying degrees of respiratory irritation, lung damage, and chronic respiratory irritation.

Inhalation: Irritating to the upper respiratory tract and mucous membranes; May cause sensitization on inhalation.

Skin Contact / Absorption: May cause redness, irritation, and sensitization.

Eye Contact: May cause irritation, redness, and impaired vision.

Ingestion: Harmful if swallowed. May cause diarrhea, abdominal cramps, mouth and tongue pain, sore throat, nausea, stomach ache.

3. Composition

Component	Exposure Limits – (ACGIH ¹ /TLV) & (OSHA/PEL)	LD ₅₀	LC ₅₀
Potassium Sulphate (K ₂ SO ₄) CAS No 778-80-5	1mg/m ³	N/Established	N/Established

1 American Conference of Governmental Industrial Hygienists (ACGIH). Exposure limits may vary from time to time and from one jurisdiction to another. Check with local regulatory agency for the exposure limits in your area.

Synonym(s)..... Sulphate of Potash; SOP; Sulphuric acid dipotassium salt

4. First Aid Measures

Inhalation: If irritation causes coughing or phlegm, remove to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration. Seek medical treatment if coughing does not subside.

Eyes: Immediately flush eye thoroughly with water. Continue flushing eye for at least 15 minutes, including under lids. Seek medical treatment if irritation, pain, swelling, or lacrimation exists.

Skin: Wash skin with cool water and pH-neutral soap or a mild detergent. Seek medical treatment if irritation or inflammation develops or persists.

Ingestion: Do not induce vomiting if swallowed. Give large quantities of water through mouth if conscious. Seek medical attention.

NFPA Ratings: Health-1 Flammability-0 Reactivity-0

5. Fire Fighting Measures

Flammability: No

Flash Point: Not applicable

Autoignition Temperature: Not applicable

Explosion Data:

Sensitivity to Impact: Not available

Sensitivity to Static Discharge: Not available

Hazardous Combustion Products: May release sulphur dioxide and sulphur trioxide when heated in a fire.

Extinguishing Media: Use appropriate media for surrounding fire (water, chemical foam, dry chemical, or carbon dioxide)

Fire Fighting Instructions: Wear NIOSH-approved self-contained breathing apparatus and protective clothing. Use water spray to cool structures and containers exposed to fire.

6. Accidental Release Measures

Personal Protection: Wear adequate personal protection to prevent inhalation of dusts, contact with skin or eyes. See Section 8 for specific recommendations.

Environmental Precautions: Prevent from spilling into waterways, sewers.

Cleanup Procedures: Restrict access to area until completion of cleanup. Avoid harmful exposure to dusts. Only adequately trained personnel, wearing properly selected personal protective equipment and clothing described in Section 8, should be involved in the spill response and cleanup.

7. Handling and Storage

Handling Procedures: Use proper equipment for lifting and transporting all containers. Use sensible industrial hygiene and housekeeping practices. Wash thoroughly after handling. Avoid situations that could lead to harmful exposure.

Storage: Store in a sheltered area away from moisture and heat. Do not store near foodstuffs. Store away from incompatible materials such as strong acids.

8. Exposure Controls, Personal Protection

Engineering Controls: Ensure that sufficient ventilation is available to keep dust below the TLV / PEL.

Respiratory Protection: Respirators must be NIOSH approved and properly selected, maintained and used when working with this product. Knowledge of respiratory hazards and respiratory protection is essential to ensure appropriate selection of respirators. Use an approved NIOSH dust respirator with a minimum N95 rating.

Skin Protection: Wear clothing to prevent contact with skin.

Eye and Face Protection: Wear safety glasses to prevent contact with eyes and make immediately available appropriate emergency eyewashing equipment (e.g. portable or plumbed) capable of flushing the eyes for at least 15 minutes.

9. Physical and Chemical Properties

Physical State:	Solid; crystalline, powder
Appearance:	Off-white to Beige/Pink or Brown powder
Odour:	None
Odour Threshold:	Not available
pH:	7-9 (50 g/l in water at 20°C)
Vapour Pressure:	Not available
Solubility in water:	11% at 20°C
Vapour Density:	Not available
Melting Point:	1069°C (1956°F)
Boiling Point:	Not applicable
Freezing Point:	Not applicable
Specific Gravity:	2.66 (water = 1)
Evaporation Rate:	Not available
Bulk Density (loose):	1200-1458 kg/m ³ (75-91 lb/ft ³)
Volatile Organic Compounds:	0% weight

10. Stability and Reactivity

Chemical Stability:	This product is stable under normal conditions.
Hazardous Polymerization:	Will not occur.
Incompatibility:	Avoid strong oxidizing agents, chlorine, and nitric acid. Vigorous reaction will occur when potassium sulphate is melted with aluminum or magnesium..
Hazardous Decomposition Products:	Decomposition products include sulphur dioxide, sulphur trioxide

11. Toxicological Information

Irritancy: Irritant to strong irritant.

Sensitization: Not available.

Synergistic Materials: Not available.

Target Products

Animal Toxicity Data: LD₅₀(oral, rat) = 6600 mg / kg.

Carcinogenicity: Not listed as carcinogenic (IARC and ACGIH).

Reproductive Toxicity: Not available.

Teratogenicity: Not available.

Mutagenicity: Not available.

12. Ecological Information

Environmental Toxicity: Not available

Biodegradability: Hazardous short-term degradation products are not likely.

13. Disposal Considerations

Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.

14. Transport Information

Canadian Transportation of Dangerous Goods Regulations: Not regulated

International Air Transport Association (IATA): Not regulated

International Maritime Organization (IMO): Not regulated

15. Regulatory Information

CEPA, DOMESTIC SUBSTANCES LIST: Listed

Note: *The product listed on this MSDS has been classified in accordance with the hazard criteria of the Canadian controlled products regulations. This MSDS contains all information required by those regulations.*

16. Other Information

Original Preparation Date: August 3, 2010

Disclaimer: This Material Safety Data Sheet was prepared in accordance with criteria and requirements of the Hazardous Products Act and the Controlled Products Regulations using information provided by the manufacturer and other sources including CCINFO (Chemical Information published by the Canadian Centre for Occupational Health and Safety). The information in the Material Safety Data Sheet is offered for your consideration and guidance when exposed to this product. TARGET PRODUCTS LTD. expressly disclaims all expressed or implied warranties and assumes no responsibilities for the accuracy or completeness of the data contained herein. The data in this MSDS does not apply to use with any other product or in any other process.

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