

# 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 <sup>1</sup> /TLV) & (OSHA/PEL)	LD <sub>50</sub>	LC <sub>50</sub>
Potassium Sulphate (K <sub>2</sub> SO <sub>4</sub> ) CAS No 778-80-5	1mg/m <sup>3</sup>	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

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

## 10. Stability and Reactivity

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

## 11. Toxicological Information

**Irritancy:** Irritant to strong irritant.

**Sensitization:** Not available.

**Synergistic Materials:** Not available.

## Target Products

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**Animal Toxicity Data:** LD<sub>50</sub>(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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**Last revision:** Reviewed and re-issued August 3, 2010