



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: Target Polymer Bonding Agent
Target Primer

Product Use: Concrete Related Products

Supplier: Target Products Ltd,
1080 Bradner Road
Abbotsford, BC
V4X 1H8
Telephone: 1.604.856.7976
24-Hour Emergency Response Telephone for Transport Emergencies ONLY: +1 (613) 996-6666

2. Composition

Component	w/w%	Exposure Limits/ACGIH ¹	LD ₅₀	LC ₅₀
Octylphenoxy polyethoxy-ethanol CAS No 9036-19-5	1.0 – 5.0	TLV-TWA: 25 ppm	4190 mg/kg (oral/rat)	Not 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.

3. Hazards Identification

Routes of Entry:

Skin Absorption: No
Skin Contact: Yes
Eye Contact: Yes
Ingestion: Yes
Inhalation: Yes

Emergency Overview:

Product may be mildly irritating to eyes and skin. No health effects expected from inhalation, absorption, or ingestion.

No contents are considered carcinogenic.

Acute Health Effects:

Inhalation:

Not expected to have any health effect.

Skin Contact:

Target Products

May cause slight irritation in persons predisposed to skin problems.

Skin Absorption:

Not considered a route of entry.

Eye Contact:

May cause minor irritation.

Ingestion:

Not expected to cause gastrointestinal irritation if ingested in small amounts. Larger amounts may cause mild irritation to the upper gastrointestinal tract.

Chronic Health Effects:

None known.

Medical Conditions Aggravated by Exposure:

Persons with pre-existing skin disorders may be affected by the use of this product.

4. First Aid Measures

Inhalation:

No first aid should be necessary, but if an irritation occurs causing coughing or phlegm, remove to fresh air. Call for medical assistance if coughing doesn't subside.

Skin Contact:

Wash affected area thoroughly with soap and water. If irritation persists, seek medical attention.

Eye Contact:

Check for and remove contact lenses. Immediately and thoroughly flush eyes with large amounts of water for at least 15 minutes, occasionally lifting the lower and upper eyelids. If irritation, pain, swelling, or lacrimation exists, get medical attention as soon as possible.

Ingestion:

If patient is conscious, give one or two glasses of milk or water. **Do not induce vomiting.** Do not give anything by mouth to a convulsing or unconscious person. To avoid accidental aspiration if vomiting should occur, have victim lean forward with head down. Get immediate medical attention.

General Comments:

Good personal hygiene is essential. Avoid eating, smoking or drinking in work areas.

5. Fire Fighting Measures

Flammability: No as product, however, if water is driven off, residue may burn.

Flash Point: Not applicable

Autoignition Temperature: Not applicable

Lower Explosive Limit: Not applicable

Upper Explosive Limit: Not applicable

Explosion Data:

Sensitivity to Impact: No

Target Products

Sensitivity to Static Discharge: No

Hazardous Combustion Products: Carbon dioxide, carbon monoxide.

Conditions to Avoid: None

Extinguishing Media: These materials are not flammable. Use any medium necessary to extinguish surrounding fire. If possible, try to keep uninvolved product dry.

Fire Fighting Instructions: Evacuate area and fight fire from a safe distance or a protected area. Approach fire from upwind. Firefighters must wear self-contained breathing apparatus and full protective clothing.

6. Accidental Release Measures

Personal Protection:

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

Environmental Precautions:

Prevent from spilling into waterways, drains, or sewers.

Cleanup Procedures:

Restrict access to area until completion of cleanup. Assess danger from a safe distance. 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:

Keep containers closed when not being used. Protect from freezing! Follow safe work procedures and wear the appropriate personal protective equipment specified in Section 8. The workers must be instructed and trained in the safe work procedures. Wash hands thoroughly before eating, drinking, or smoking.

Storage:

Avoid freezing temperatures, but store in a cool, dry, well ventilated area.

8. Exposure Controls, Personal Protection

Engineering Controls:

Ensure that sufficient ventilation is available to keep vapours as low as possible.

Respiratory Protection:

Under recommended directions for use, respirators are not necessary. If ventilation is poor, use an NIOSH approved respirator with an organic vapour cartridge. 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.

Skin Protection:

Target Products

Wear clothing to prevent contact with skin. Rubber gloves.

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

Appearance:	Colourless liquid
Odour:	Slight
Odour Threshold:	Not available
pH:	9-10
Vapour Pressure:	230 kPa @ 20°C
Solubility:	Moderate
Vapour Density:	Not available
Freezing Point	Approximately 0°C
Boiling Point:	Approximately 100°C
Critical Temperature:	Not available
Relative Density:	1.07 (Water = 1)
Coefficient of	
Water/oil Distribution:	Not available
Evaporation Rate:	Not available

10. Stability and Reactivity

Chemical Stability:	This product is stable.
Hazardous Polymerization:	Will not occur.
Incompatibility:	None Known
Reactivity:	No

Hazardous Decomposition Products: None Known

11. Toxicological Information

Effects of Acute Exposure:	See Section 3
Effects of Chronic Exposure:	See Section 3
Irritancy:	Yes. See Section 3.
Skin Sensitization:	None reported
Respiratory Sensitization:	None reported
Neurotoxicity:	None reported
Carcinogenicity:	No
Embryotoxicity:	No
Teratogenicity:	No
Reproductive Toxicity:	No.
Mutagenicity:	No
Synergistic Products:	None reported

12. Ecological Information

Target Products

Environmental Toxicity: No Information found.

Biodegradability: No information found.

13. Disposal Considerations

Review federal, provincial or state, and local government requirements prior to disposal. Store material for disposal as indicated in Storage Conditions. Disposal by controlled incineration may be acceptable.

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

CANADIAN FEDERAL REGULATIONS:

CEPA, DOMESTIC SUBSTANCES LIST: Listed

WHMIS CLASSIFICATION: Not controlled

16. Other Information

Original Preparation Date: June 23, 2004

Prepared by: Kel-Ex Agencies Ltd., P.O. Box 52201, Lynnmour RPO, North Vancouver, BC, Canada, V7J 3V5

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.

This Material Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of TARGET PRODUCTS, LTD.

Revisions: Reviewed and re-issued January 25, 2010