

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: Uro Finish

Product Use: Waterbase finish for cementaceous products

Manufacturer: Smart Surface Technology Inc.,
Unit 143 – 14273 Knox Way,
Richmond, B.C., Canada, V6V 2Z7
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2. Composition

Component	w/w%	Exposure Limits/ACGIH ¹	LD ₅₀	LC ₅₀
Diethylene Glycol Monoethyl Ether CAS No 111-90-0	3-6	Not established	5540 mg/kg (oral/rat), lowest value 6000 mg/kg (dermal/rat)	No available
Non-Hazardous Ingredients, ingredients not WHMIS controlled	93-97	Not applicable	Not applicable	Not applicable

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

Emergency Overview:

Product contains a low concentration of an eye irritant. It is unlikely at this concentration that contact with the eye will have anything but a mild, transient effect. This same ingredient may be absorbed through the skin, but is not expected to have any acute or chronic health effect on humans. Persons susceptible to skin reactions may experience mild irritation to the skin. Ingestion of large quantities may produce gastrointestinal irritation.

Acute Health Effects:

Inhalation:

No acute health effects are expected from inhalation of vapours of this product.

Skin Contact:

May cause slight irritation in persons predisposed to skin problems.

Skin Absorption:

May be absorbed through the skin, but there is no human information available. Based on animal information, no adverse acute health effects are expected.

Eye Contact:

Irritation of the eyes is anticipated. Symptoms may include tearing, redness, and slight swelling of the conjunctiva. No permanent damage is expected.

Ingestion:

Low oral toxicity. Ingestion of large amounts may cause gastrointestinal irritation and nausea. Vomiting may occur.

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 occurs or 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: Not flammable.

Flash Point: Not applicable

Autoignition Temperature: Not applicable

Lower Explosive Limit: Not applicable

Upper Explosive Limit: Not applicable

Explosion Data:

Sensitivity to Impact: No

Sensitivity to Static Discharge: No

Hazardous Combustion Products: Carbon dioxide, carbon monoxide.

Conditions to Avoid: None

Extinguishing Media: Use foam, CO2, dry chemical, water fog. Use water spray for surrounding fire.

Fire Fighting Instructions: Fire fighters must wear full turnout gear with self contained breathing apparatus. Evacuate area and fight fire from a safe distance or a protected area. Approach fire from upwind. Use water spray to cool containers to prevent pressure buildup and potential rupture.

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.

Dike and absorb with inert material such as sand and remove all liquid with the use of a vacuum system. If unable to remove as a liquid, then absorb with sand, sawdust or commercial absorbent. Scoop up and place in appropriate containers for disposal.

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. 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.

Recommendations:

No specific recommendation

Skin Protection:

Wear clothing to prevent contact with skin. Nitrile or rubber gloves are recommended.

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:	White thixotropic liquid
Odour:	Plastic
Odour Threshold:	Not available
pH:	8.5 - 10
Vapour Pressure:	Not available
Solubility:	Soluble
Vapour Density:	< 1 (Air = 1)
Freezing Point	Approximately 0°C
Boiling Point:	Approximately 100°C
Critical Temperature:	
Relative Density:	≈1.05 (Water = 1)
Coefficient of	
Water/oil Distribution:	Not available
Evaporation Rate:	Slower than ether

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

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:	D2B

16. Other Information

Original Preparation Date: August 1, 2007

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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. 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 Smart Surface Technology Inc.

Latest revision: None