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SAFETY DATA SHEET

Product Code: MC409H(T)
Product Trade Name: Metaltech Silver T-27301, T-27304
Product Class / Intended End Use: Consumer Finish
Emergency Telephone Numbers: For emergency health, safety and environmental information call 416-252-5676 (Monday to Friday 9am-4pm est/edt)

For Emergency Transportation Information call CANUTEC at 613-996-6666

SECTION 2: HAZARDS IDENTIFICATION

Classification:

	Category
Eye Damage/Irritation	2A
Signal word:	Warning

Hazard Pictograms:



Hazard Statement(s):

- Causes serious eye irritation.

Precautionary Statement(s) Prevention:

- Wash hands thoroughly after handling
- Wear eye protection/face protection

Precautionary Statement(s) Response:

- **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- **If eye irritation persists:** Get medical advice/attention

Other Hazards Which do not Result in Classification:

- **Skin Contact:** Brief contact may cause slight skin irritation with local redness.
- **Skin Absorption:** Prolonged skin contact is unlikely to result in absorption of harmful amounts.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

NAME	CAS	EINECS	WT %
1-(1-Methyl-2-propoxyethoxy)propan-2-ol	29911-27-1	249-949-4	1.01
<i>N/A = Not Available N/E = Not Established</i>			

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SECTION 4: FIRST-AID MEASURES

Inhalation:	Immediately remove person to fresh air. If breathing has stopped, give artificial respiration. Get medical attention if symptoms persist.
Skin Contact:	Immediately flush with plenty of water, while removing contaminated clothing. If irritation persists, seek prompt medical attention. Launder clothing before reuse.
Eye Contact:	Immediately flush eye(s) with plenty of water. After initial flushing, remove any contact lenses if worn, and continue flushing for at least 5 to 10 minutes. If irritation persists, seek prompt medical attention.
Ingestion:	Call a physician or poison control centre immediately. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

Call a poison centre or doctor/physician if you feel unwell.

Most Important Symptoms and Effects (both acute and delayed):

- Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Indication of any Immediate Medical Attention and Special Treatment Needed:

- Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Use media suitable to the surrounding fire such as water fog or fine spray, alcohol foams, carbon dioxide and dry chemical.
Unsuitable Extinguishing Media:	Do not use a solid water stream as it may scatter and spread fire.
Specific Hazards Arising from the Substance or Mixture:	Burning produces obnoxious and toxic fumes. Vapours are heavier than air and will settle and collect in low areas and pits, displacing breathing air.
Special Protective Equipment and Precautions for Fire Fighters:	Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. A full-body chemical resistant suit should be worn.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:	Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Vapours can accumulate in low areas.
Environmental Precautions:	Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.
Methods and Materials for Containment and Clean Up:	Ventilate the area. Stop spill or leak at source if safely possible. Dike for water control. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13).

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SECTION 7: HANDLING AND STORAGE

- Precautions for Safe Handling:** Wear protective gloves and eye/face protection. Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Wash with soap and water after handling. Keep away from acids and other incompatibles. Keep containers tightly closed when not in use. Empty containers retain residue (liquid and/or vapour) and can be dangerous.
- Conditions for Safe Storage:** Store in a cool, dry, well-ventilated area. Keep away from incompatibles. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks.
- Incompatibles:** Strong oxidizing agents; Strong acids Strong bases.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	ACGIH TLV (ppm)		OSHA PEL (ppm)	
	TWA	STEL	PEL	STEL
1-(1-Methyl-2-propoxyethoxy)propan-2-ol	N/E	N/E	N/E	N/E
<i>N/A = Not Available N/E = Not Established</i>				

- Appropriate Engineering Controls:** Use mechanical exhaust or laboratory fumehood to avoid exposure.
- Personal Protective Equipment Respiratory Protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
- Eye/Face Protection:** Safety glasses with side-shields are recommended. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
- Skin/Body Protection:** Wear protective gloves. The suitability for a specific workplace should be discussed with the producers of the protective gloves. Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
- Other Protective Equipment:** Emergency showers and eyewash facilities should be nearby. Wear a chemically resistant apron and long sleeves when dispensing, to prevent skin contact.
- General Hygiene Considerations:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Remove soiled clothing and wash it thoroughly before reuse.

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SECTION 9: PHYSICAL PROPERTIES

Autoignition Temperature:	Data not Available
Boiling Point:	>100 °C / >212 °F
Colour:	Silver
Decomposition Temperature:	Data not Available
Explosion Limit:	Data not Available
Flammability (solid, gas):	Non Flammable
Flash Point (Setaflash Closed Cup):	Not Applicable
Melting Point/Freezing Point:	<0 °C / <32 °F
Odour Threshold:	Data not Available
Odour:	Slight Sweet
Partition Coefficient:	Data not Available
pH:	7.5 – 8.5
Physical State:	Liquid
Relative Evaporation Rate (Butylacetate=1)	Data not Available
Solubility in Water:	Miscible
Specific Gravity:	1.14
Vapour Density:	Not Applicable
Vapour Pressure:	Not Applicable
Viscosity:	Fluid
% Volatiles by Weight:	62.90

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	Not normally reactive under normal conditions.
Chemical Stability:	Stable under recommended storage conditions.
Possibility of Hazardous Reactions:	Hazardous polymerization does not occur.
Conditions to Avoid:	Do not use in areas without adequate ventilation. Avoid contact with incompatible materials.
Incompatibles:	Strong oxidizers (e.g. Chlorine, Peroxides, etc.).
Hazardous Decomposition Products:	Decomposition products depend upon temperature, air supply and the presence of other materials. Decomposition products can include and are not limited to: Aldehydes. Ketones. Organic acids.

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SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity:	LD 50			LC 50		
Name	mg/kg	Animal	Route	Mg/L	Animal	Route
1-(1-Methyl-2-propoxyethoxy)propan-2-ol	>2,000	Rat	Oral			
	>2,000	Rabbit	Dermal			N/A
N/A = Not Available N/E = Not Established						

Likely Routes of Exposure:	Inhalation, skin and eye contact, ingestion.
Symptoms/Injuries after Inhalation:	May be harmful if inhaled. Causes respiratory tract irritation.
Symptoms/Injuries after Skin Contact:	Brief contact may cause slight skin irritation with local redness. May be harmful if absorbed through skin.
Symptoms/Injuries after Eye Contact:	May cause moderate eye irritation. May cause slight corneal injury.
Symptoms/Injuries after Ingestion:	May be harmful if swallowed.
Potential Chronic Health Effects:	No relevant data found.
Specific Target Organ Systemic Toxicity (Repeated Exposure):	No relevant data available
Medical Conditions Aggravated by Overexposure:	No relevant data available.

SECTION 12: ECOLOGICAL INFORMATION

Eco toxicity:	Not expected to be harmful to aquatic organisms. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. Do not allow material to contaminate ground water system.
VOC (g/L):	120
Persistence and Degradability:	No data available on the product itself.
Bio-accumulative Potential:	No test data
Mobility in Soil:	No data available on the product itself.
Other Adverse Effects:	None known

SECTION 13: DISPOSAL CONSIDERATIONS

Handling for Disposal:	Handle waste according to recommendations in Section 7. Empty containers retain residue (liquid and/or vapour) and can be dangerous.
Methods of Disposal:	Dispose in accordance with all applicable federal, state, provincial and local regulations.
RCRA:	If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

DO NOT INCINERATE CLOSED CONTAINERS.

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SECTION 14: TRANSPORTATION INFORMATION

UN Number:	Not classified as a dangerous good.
UN Proper Shipping Name:	Non Regulated
Transport Hazard Class:	Non Regulated
Packing Group:	Non Regulated
Environmental Hazards:	Information not available.
Special Precautions for User:	Appropriate advice on safety should accompany the package. Wash hands thoroughly after handling.
Transport in Bulk:	Information not available.

SECTION 15: REGULATORY INFORMATION

Canada: All components are in compliance with the Canadian environmental protection act and are present on the domestic substances list. This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR.

USA:

- TSCA:** All components of this material are on the US TSCA inventory or are exempt.
- OSHA:** This material is classified as hazardous under OSHA regulation (29CFR 1910.1200).
- CERCLA:** Reportable quantities (RQ) (40 CFR 117.302). Data not Available.
- SARA TITLE 111:** Sec 302, extremely hazardous substances, 40 CFR 355 - Data not available
- SARA TITLE 111:** Sec 313, toxic chemical notification, 40 CFR 372 - Data not Available

SECTION 16: OTHER INFORMATION

HMIS:	Health 2	Flammability 0	Reactive 0
NFPA:	Health 2	Flammability 0	Instability 0

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DISCLAIMER

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END OF SAFETY DATA SHEET