

SECTION 1 IDENTIFICATION

Product Trade Name: Converter-E
Recommended Use: Emulsifier
Restrictions on Use: For Industrial and Institutional use only
Supplier: Tsytex E-Coatings Inc.
 #800-15355 24th Ave, Suite 514
 White Rock, BC Canada V4A 2H9
 604-760-1480
Emergency Phone Number/ 24-Hour Number: Canada: Canutec 613-996-6666

SECTION 2 HAZARD IDENTIFICATION

Physical Hazards: None
Health Hazards: SKIN CORROSION/IRRITATION - Category 2
 EYE DAMAGE/IRRITATION - Category 2A

Label Elements:



Signal word: Warning
Hazard Statement: H315 Causes skin irritation.
 H319 Causes serious eye irritation.

Precautionary Statements:

Prevention: P264 Wash hands or affected area thoroughly after handling.
 P280 Wear protective gloves/ eye protection/ face protection.
Responses: P302 + P352 IF ON SKIN: Wash with plenty of water.
 P321 Specific treatment (see supplemental first aid information on this label).
 P332 + P313 If skin irritation occurs: Get medical advice/attention.
 P362 + P364 Take off contaminated clothing and wash it before reuse.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337 + P313 If eye irritation persists: Get medical advice/attention.
Storage: Not regulated. Store in a cool, dry place. Keep container tightly closed. Keep out of reach of children.
Disposal: Not regulated. Dispose of contents/ container to an approved waste disposal plant.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredient | Approx. Wt.% | CAS Number |
|---|--------------|------------|
| 2-propanol, 1-(2-butoxy-1-methylethoxy) | 5-10 | 29911-28-2 |
| Monoethanolamine | 3-7 | 141-43-5 |
| Ethylene glycol monophenyl ether | 5-10 | 122-99-6 |

SECTION 4 FIRST-AID MEASURES

Inhalation: Immediately remove the affected victim to fresh air. If symptoms persist, obtain medical attention.
Skin Contact: Immediately flush exposed area with soap and water for at least 10 minutes. If irritation persists, or if contact has been prolonged, obtain medical attention. Remove contaminated clothing and launder before reuse.
Eye Contact: Immediately flush with warm running water for at least 15 minutes, holding eyelids open during flushing. Remove contact lenses, if present and easy to do. If irritation persists, repeat flushing and obtain medical attention immediately.
Ingestion: Do not induce vomiting. If the victim is fully conscious, give plenty of clean water to drink to dilute product. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness, or is convulsing. Call a Physician.

SECTION 5 FIRE-FIGHTING MEASURES

| | |
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| Extinguishing Media: | Water fog, alcohol foam, or dry chemical. |
| Flammability: | Not flammable. |
| Flash Point: | Not flammable. |
| Special Firefighting Procedures: | Wear NIOSH/MSHA approved, self-contained breathing apparatus for firefighting situation. Use water spray to cool all nearby fire exposed surfaces. |
| Unusual Fire / Explosion Hazards: | None known. |
| Hazardous Decomposition Products: | Nitrogen oxides. Carbon monoxide, carbon dioxide. Ammonia. The smoke may contain unidentified toxic and/or irritating compounds. |

SECTION 6 ACCIDENTAL RELEASE MEASURES

Environmental Protection Precautions: Do not release to the environment or water source.
Steps To Be Taken In Case Material Is Released Or Spilled: Wear protective equipment. Soak up spills with absorbents, then dispose of in an appropriate waste container. Keep material away from sewers. Reuse if possible. Otherwise dispose recovered material in accordance with all local, Provincial or Federal regulations.

SECTION 7 HANDLING AND STORAGE

Precautions To Be Taken In Handling And Storage: Use good industrial hygiene. Do not get in eyes. Avoid contact with skin and clothing. Avoid breathing sprays or mists. Store in a cool, dry place away from incompatibles. Keep container closed when not in use. Do not mix with any other chemicals. Store at temperatures below 30°C (86°F) and keep from freezing.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:
 OSHA (PEL): N/A
 ACGIH TLV: N/A
 Other exposure limit: N/A
Appropriate Engineering Controls: Good general ventilation.
Individual Protection Measures / Personal Protective Equipment:
Gloves: Non-permeable gloves (rubber, nitrile) recommended.
Masks/Goggles: Use chemical goggles or safety glasses when eye contact may occur.
Respirator: Good general ventilation or local exhaust ventilation for spraying and misting in confined areas.
Apron: Not required for normal use of product.
Boots: Not required for normal use of product.
Other Protective Equipment: Eye wash, safety shower and full protective clothing recommended in the immediate work area.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|-------------------------|
| Appearance: | Clear, pale red liquid. |
| Odor: | No added fragrance. |
| Odor threshold: | N/A |
| pH: | 10.0 - 11.0 |
| Melting point/Freezing point: | N/A |
| Initial boiling point and boiling range: | N/A |
| Flash Point: | >100 °C |
| Evaporation Rate (Water=1): | N/A |
| Flammability: | Not flammable |
| Upper/Lower flammability or explosive limits: | None. |
| Vapor pressure: | N/A |
| Vapor density: | N/A |
| Relative density/Specific gravity (Water = 1): | 1.00 @ 20 °C |
| Solubility(ies): | Soluble in water |
| Partition coefficient: n-octanol/water: | N/A |
| Auto-ignition temperature: | Not flammable |

Decomposition temperature: N/A
 Viscosity: N/A

SECTION 10 STABILITY AND REACTIVITY

Reactivity: N/A
Chemical stability: Stable under normal storage conditions.
Possibility of hazardous reactions: None know.
Conditions to avoid: Temperatures above 30°C (86°F) and below 5°C (41°F). Avoid strong oxidizers, strong acids, strong bases.
Incompatibility: Avoid sodium nitrite or other nitrosating agents. Product can decompose at elevated temperatures. Avoid contact with metals such as aluminum, brass, copper. Flammable hydrogen may be generated from contact with metals such as aluminum. Avoid contact with nitrites, strong acids, halogenated hydrocarbons.
Hazardous Decomposition Products: Oxides of carbon. Oxides of nitrogen. Ammonia.

SECTION 11 TOXICOLOGICAL INFORMATION

Likely routes of exposure: Ingestion, skin and eye contact.
Symptoms: Irritation to eyes and skin.
Acute Toxicity Estimates: Oral >2000 mg/kg, dermal >2000 mg/kg
Carcinogenicity: Not listed by NTP, IARC, OSHA, ACGIH.

SECTION 12 ECOLOGICAL INFORMATION

Not required.

SECTION 13 DISPOSAL CONSIDERATIONS

Recommended Waste Disposal Methods: Reuse if possible. Otherwise dispose recovered material in accordance with all local, provincial or Federal regulations.

SECTION 14 TRANSPORT INFORMATION

This product is classified as "Non-flammable, Non-hazardous, Not Restricted" for Transport purposes.

Canadian TDG
UN Number: Not regulated.
UN Proper Shipping Name: Not regulated.
Transport Hazard Class(es): Not regulated.
Packing Group: Not regulated.

SECTION 15 REGULATORY INFORMATION

HAZARD RATING INFORMATION

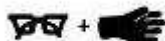
4=Extreme
 3=High
 2=Moderate
 1=Slight
 0=Insignificant

HMS

| | |
|---|--------------|
| 2 | Health |
| 0 | Flammability |
| 0 | Reactivity |
| B | Personal |

A=Gloves, B=Goggles & Gloves
 C=Goggles, Gloves and Apron

HMS Protection Group B



All pertinent hazard information has been provided in this SDS, per the requirements of the U.S. Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalent Standards, and the Canadian Workplace Hazardous Materials Identification System Standards (CPR 4).

SECTION 16 OTHER INFORMATION**Acronym List:**

| | |
|-------|---|
| ACGIH | American Conference of Governmental Industrial Hygienists |
| CFR | Code of Federal Regulations |
| HMIS | Hazardous Materials Identification System |
| IARC | International Agency for Research on Cancer |
| MSHA | Mine Safety and Health Administration |
| N/A | Not Available |
| NIOSH | The National Institute for Occupational Safety and Health |
| NTP | National Toxicology Program |
| OSHA | Occupational Safety and Health Administration |
| PEL | Permissible Exposure Limit |
| TDG | Transportation of Dangerous Goods |
| TLV | Threshold Limit Value |
| UN | United Nations |
| WHMIS | Workplace Hazardous Materials Information System |

It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. **Tsytex E-Coatings Inc.** will accept no liability for damages or loss incurred from the improper handling and use of this product.

The information provided in the Safety Data Sheet has been obtained from current sources and is believed to be reliable.

PREPARED BY: Technical Service/Regulatory Division

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