



MATERIAL SAFETY DATA SHEET

Section 1. Chemical Product and Company Identification

Product Name: *EcoSpray® 350C (Part B)*

Chemical Name: Polyether Polyol Blend

Recommended Uses and Restrictions:

For industrial use only, it is recommended that you use this Product in a manner consistent with the recommended use.

Manufacturer: TSE Industries, Inc.
5260 113th Avenue North
Clearwater, FL 33760
Tel: (727) 573-7676
Fax: (727) 572-0415

Emergency Telephone Numbers: INFOTRAC: Domestic, 1-800-535-5053
International, +1-352-323-3500

Section 2. Composition/Information on Ingredients

This material is not hazardous as defined by Hazardous Communication Standard (29 CFR 1910.1200)

Section 3. Hazards Identification

Emergency Overview

Color: Various, White to Grey and Black. Product poses little hazard if spilled. Toxic fumes are produced during a fire situation when product is combined with phosphorus-containing material. Use cold water spray to cool fire-exposed containers to minimize the risk of rupture. Irritating gases and or fumes may be given off during burning or thermal decomposition.

The following ratings are subjective. They are provided as a quick hazard guide only. Read the entire MSDS before using the product.

Hazard Rating System:

	Health	Flammability	Reactivity	Incompatibility	PPE
NFPA:	1	1	0	-	X
HMIS:	1	1	0	-	X

0 = minimal, 1 = slight, 2 = moderate, 3 = serious, 4 = severe, * chronic health hazard

Potential Health Effects, Signs, and Symptoms of Exposure:

Eye Contact: May cause slight temporary eye irritation. Corneal injury is unlikely.

Skin Contact: Prolonged contact is essentially nonirritating to skin.

Chronic Exposure: Not expected to cause any chronic acute health effects.

Carcinogenicity: NO COCINOGENIC SUBSTANCES AS DEFINED BY IARC, NTP AND/OR OSHA.

Section 4. First Aid Measures

General advice: Remove contaminated clothing.

Eyes: In case of contact with the eyes, rinse immediately plenty of lukewarm water. Get medical attention if irritation develops.

Skin: Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.

Inhalation: Remove the affected individual into fresh air and keep the person calm. If breathing is difficult, give oxygen. Get medical attention if irritation develops.

Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if irritation develops.

Medical Conditions Generally Aggravated by Exposure: Not known.

Section 5. Fire Fighting Measures

Flash Point: 186°C (368°F) (Seta Closed Cup)

Auto-Ignition Temperature: NA

UEL/LEL: NA

Extinguishing Media: Water Spray for large fires, dry extinguishing media, carbon dioxide, and foam.

Special Fire Fighting Procedures: Firefighters should wear NFPA compliant firefighting protective equipment, including self contained breathing apparatus and NFPA compliant helmet, hood, boots and gloves to protect against potentially toxic and irritating fumes. Toxic and irritating gases/fumes may be given off during burning or thermal decomposition. Use cold water spray to cool fire-exposed containers to minimize risk of rupture.

Unusual Fire/Explosion Hazards

If this polyol is combined with phosphorus compounds, toxic fumes can be given off in the event of a fire. Therefore, we recommend not mixing this polyol with phosphorus compounds.

Section 6. Accidental Release Measures

Spill or Release Procedures: Dike or dam spilled material and control further spillage, if possible. Cover spill with inert material (e.g., dry sand or earth) and collect for disposal. Collect and place in appropriately marked sealable containers for disposal. Wash spill area with soap and water. Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Section 7. Handling and Storage

Handling: Handle in accordance with good industrial hygiene and safety practices. Wash thoroughly after handling. Keep container closed when not in use. Material is hygroscopic and may absorb small amounts of water from atmospheric moisture. If contamination with isocyanates is suspected, do not reseal container. Avoid inhalation of vapor or mists.

Protection against fire and explosion: No explosion proofing necessary.

Storage: Storage temperature: maximum 50°C (122°F). Material can be stored safely at ambient conditions. Protect against moisture

Storage Period: 12 Months

Section 8. Exposure Controls/Personal Protection

Components with workplace control parameters

<u>Component</u>	<u>List</u>	<u>Type</u>	<u>Value</u>
Diethylene Glycol	WEEL	TWA	10mg/m ³

Personal Protection:

General: Wear protective clothing as necessary to prevent contact. Eye wash fountains and safety showers must be easily accessible. Wash soiled clothing immediately.

Industrial Hygiene/Ventilation Measures: Under normal conditions of use, general or local exhaust ventilation should be used to control airborne levels below the exposure guidelines.

Eye/Face: Tightly fitting safety goggles (chemical goggles) with side shields. Wear face shield if splashing hazard exists.

Skin: Avoid contact with the skin. Depending on the conditions of use, cover as much of the exposed skin area as possible with appropriate clothing to prevent skin contact. Permeation resistant or chemical resistant protective gloves, Suitable materials include, chloroprene rubber (Neoprene), nitrile rubber (Buna N), chlorinated polyethylene, polyvinylchloride (Pylox), butyl rubber, Fluoroelastomer (Viton)

Respiratory: NOISH approved air-supplied or cartridge air purifying respirator during spraying, high temperature processing or when thermal decomposition is expected.

Section 9. Physical and Chemical Properties

Odor: Slight

Appearance: Typically white to grey, or black liquid

Boiling Point: Approximately 208 °C (406.4 °F)

pH: Not applicable

Specific Gravity: ~1.43 @ 25 °C (77 °F)

Vapor Pressure: Not established

Freezing Point: Not established

Flash Point: 186°C (368°F) (Seta Closed Cup)

Solubility in Water: Partially soluble

Viscosity: ~17,000 cps @ 25 °C (77 °F)

Bulk Density: ~11.93 lb/gal

Hygroscopicity: Hygroscopic

Section 10. Stability and Reactivity

Incompatibility with Other Materials: Oxidizing agents, Isocyanates, Phosphorus compounds.

Hazardous Polymerization: Hazardous polymerization does not occur.

Hazardous Decomposition Products: By fire and thermal decomposition: Carbon dioxide (CO₂), Carbon monoxide (CO), Oxides of nitrogen (NO_x), dense black smoke, and other undetermined compounds

Section 11. Toxicological Information

No Toxicological information is available for this material.

Section 12. Ecological Information

Chemical Fate Information: No Ecological information is available for this material.

Section 13. Disposal Considerations

As shipped, this material is not regulated. However, it is the responsibility of the generator to make a determination at the time of disposal whether the material meets any of the listing or characteristic properties of a hazardous waste. Dispose of in accordance with applicable local, state and federal laws. Incineration is the preferred method of disposal.

Section 14. Transport Information

Land Transport (DOT)

Non-Regulated

Sea Transport (IMDG)

Non-Regulated

Air Transport (ICAO/IATA)

Non-Regulated

Section 15. Regulatory Information

US EPA CERCLA Hazardous Substances (40CFR302)

Components

None

SARA TITLE III: Section 311/312 Categorizations (40CFR370):

Non-Hazardous under section 311/312

SARA TITLE III: Section 313 Information (40CFR372)

This product does not contain a chemical which is listed in Section 313 at or above de minimis concentrations.

US Toxic Substances Control Act: All components of this material are listed on the TSCA Inventory.

State Right-to-Know Information

The following chemical(s) are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

Massachusetts, New Jersey or Pennsylvania Right-to-Know substance list:

<u>Weight %</u>	<u>Components</u>	<u>CAS-No.</u>
< 2	Diethylene Glycol	111-46-6

California Prop. 65:

To the best of our knowledge, this product does not contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects or other reproductive harm.

Section 16. Other Information

Abbreviations:

- ACGIH – American Conference of Governmental Industrial Hygienists
- CASRN – Chemical Abstracts Service Registry Number
- IARC – International Agency for Research on Cancer
- N/A – Not Applicable
- N/D – Not Determined
- N/E – Not Established
- NTP – National Toxicology Program
- OSHA – Occupational Safety & Health Administration
- PEL – Permissible Exposure Limit
- PPE – Personal Protective Equipment
- STEL – Short Term (15 min.) Exposure Limit
- STP – Standard Temperature and Pressure
- TLV – Threshold Limit Value
- TWA – Time Weighted Average (8 hr.)

TSE Industries, Inc. makes no representations or warranties with respect to the information in this Material Safety Data Sheet. The information is, however, correct and up to date to the best of TSE's knowledge. This list of information is not intended to be all inclusive. Actual conditions of use and handling may require considerations of information other than or in addition to that, which is provided herein.