

SAFETY DATA SHEET
I-7 Anti-Fog Coating Solution

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: I-7 Anti-Fog Coating Solution

PRODUCT USE: Thermal-cure, anti-fog coating for plastic surfaces.

MANUFACTURER: Exxene Corporation, 5939 Holly Road, Corpus Christi, TX 78412, 1-361-991-8391

EMERGENCY: CHEMTREC: Domestic – North America: 800-424-9300. International: (01) 703-527-388

SECTION 2 – HAZARDS IDENTIFICATION

GHS CLASSIFICATION

Health	Environmental	Physical
Acute toxicity, dermal Acute toxicity, inhalation Skin corrosion/irritation Serious eye damage/eye irritation	Acute toxicity: Chronic toxicity:	Flammable liquids Category 4
Category 4 Category 4 Category 2 Category 2A	Not applicable Not applicable	

GHS LABEL:



Signal Word: DANGER

WHMIS CLASSIFICATION: Class B, Division 2
Class D, Division 2, Subdivision B

<u>Hazard Statements</u>	<u>Precautionary Statements</u>
H227 Combustible liquid and vapor. H302 Harmful if swallowed. H315 Causes skin irritation. H320 Causes eye irritation. H332 Harmful if inhaled.	P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking. P241 Use explosion-proof electrical, ventilating, mixing, handling, and lighting equipment. P243 Take precautionary measures against static discharge. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P280 Wear protective gloves/protective clothing/eye protection/face protection. P370 + P378 In case of fire: Use dry chemical or carbon dioxide for extinction. P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse SKIN with water/shower. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P304 + P340 IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing. P312 Call a POISON CENTER or doctor/physician if you feel unwell. P403 + P233 Store in a well-ventilated place. Keep container tightly closed. P501 Dispose of contents/container according to local and national material disposal regulations.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS#	Concentration, %
2-Butoxyethanol (Glycol Ether EB)	111-76-2	< 85

SECTION 4 – FIRST AID MEASURES

Contact with eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention. Take SDS.
Skin contact: Remove contaminated clothing and shoes. Wash with plenty of soap and water. Seek medical attention. Take this SDS.
Inhalation: Remove the victim to fresh air. Monitor respiratory function. If there is breathing difficulty, provide oxygen. If necessary, give artificial respiration. Seek medical attention. Take this SDS.
Ingestion: Rinse mouth with water. Give nothing to drink. Do not induce vomiting. Immediately consult a doctor/medical service. Take this SDS.

SECTION 5 – FIREFIGHTING MEASURES

Suitable Extinguishing Media: Water spray, alcohol resistant foam, dry chemical or carbon dioxide
Unsuitable Extinguishing Media: Solid water jet ineffective as extinguishing medium.
Exposure Hazards: Gas/vapor flammable with air within explosion limits.
Combustion Products: Hazardous decomposition products formed under fire conditions include carbon oxides.
Advice for firefighters: Use self-contained breathing apparatus (SCBA) operated in positive pressure mode and complete protective clothing. Cool tanks/drums with water spray/remove them into safety. Do not move the load if exposed to heat. Take account of toxic fire-fighting water. Use water moderately and if possible collect or contain it.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personnel precautions: Use personal protective equipment. Avoid breathing vapors, mists or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low area.
Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Methods for cleaning spills: Discard any product, waste, container or wrapper available in an appropriate manner as not to harm the environment, according to federal regulations, state and local.

SECTION 7 – HANDLING AND STORAGE

Handling: Avoid contact with skin and eyes. Avoid inhalation with vapor or mist. Use proper personal protective equipment as indicated in Section 8. Use explosion proof equipment. Keep away from ignition sources. Take measures to prevent buildup of electrostatic charge.
Storage: Store at room temperature. Keep out of direct sunlight. Store in a dry area. Keep container in a well-ventilated place. Fireproof storeroom. Keep locked up. Provide for a tub to collect spills. Provide the tank with earthing/grounding. Air Sensitive: may form explosive peroxides upon prolonged contact with air. Unauthorized persons are not admitted. Meet all legal requirements.

SECTION 8 – PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

EXPOSURE LIMITS:

Expressed in ppm

Component	ACGIH TLV	ACGIH STEL	OSHA PEL	OSHA STEL
2-Butoxyethanol (Glycol Ether EB)			None established	

Engineering Controls: Provide mechanical ventilation or direct exhaust to the external media. It is recommended safety shower and eye bath available near work site.

Monitoring: Maintain breathing zone airborne concentration below exposure limits.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Eye Protection: Avoid contact with eyes; wear splash-proof chemical goggles, face shield, safety glasses (spectacles) as may be appropriate for exposure.

Respiratory Protection: Prevent inhalation of the solvent. Use in a well-ventilated location. Ensure airflow and air changes. Use local exhaust ventilation to remove airborne contaminants from employee breathing zone and to keep contaminants below levels listed above. With normal use, the Exposure Limit Value will not usually be reached. When limits approached, use respiratory protection equipment.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	viscous, amber liquid	Odor:	Faint
pH:	na	Odor Threshold:	na ppm
Melting:	-68 °C	Boiling Range:	231 °C to 231 °C
Flash Point:	78 °C TCC	Evaporation Rate:	0.1 (ether = 1)
Specific Gravity:	0.955 @20°C)	Flammability Limits:	LEL: 0.85 %; UEL: 24.6%
Vapor Density:	5.6 (Air = 1)	Solubility:	Partial water
Viscosity:	< 10 cP @ 25 °C	Vapor Pressure:	.03 kPa @ 20°C (68°F)
Auto-ignition Temp:	204 °C	Decomposition Temperature:	na
VOC Content:	6.48 lb/gal	Flammability (GHS Hazard category):	4

SECTION 10 – STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of storage and handling. Polymerization will not occur.	Health	2	2
		Flammability	2	2
		Reactivity	0	0
Hazardous decomposition:	When heated, produces vapor composed of carbon oxides	Personal Protection	H	
Conditions to avoid:	Ignition sources, flame/heat, high temperatures and contact with incompatible materials.			
Incompatible materials:	Strong oxidizers.			

SECTION 11 – TOXICOLOGICAL INFORMATION

Likely routes of Exposure: Inhalation, Skin.
Acute symptoms and effects:
Inhalation: May cause respiratory irritation with cough and shortness of breath. Symptoms similar to those listed under ingestion.
Eye contact: Irritating and may cause damage to eyes with redness and pain.
Skin contact: Brief contact is not irritating. Prolonged skin contact causes mild to moderate local redness and swelling. Can be absorbed through the skin with prolonged and widespread contact..
Ingestion: Large oral doses may cause irritation to the gastrointestinal tract. Ingestion may cause signs of intoxication, such as nausea, headache, incoordination, dizziness, drowsiness, and slurred speech depending on the amount ingested.

Chronic symptoms and effects: Small, repeated exposures of this material are generally more toxic than single, large exposures. Chronic exposures may produce central nervous system and kidney effects.

Reproductive Effects	Teratogenicity	Mutagenicity	Embryo toxicity	Sensitization to Product	Synergistic Products
No information					

Toxicity: LD₅₀ (oral, rat): 5,660 mg/kg LC₅₀ not available

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: Not classified as hazardous to aquatic organisms.
Mobility: Low mobility in soil.
Degradability: Expected low persistence and high degradability.
Bioaccumulation: Expected low bioaccumulative potential.

SECTION 13 – WASTE DISPOSAL CONSIDERATIONS

Follow local and national regulations. Consult disposal experts and your regulatory agency.

SECTION 14 – TRANSPORT INFORMATION

Proper Shipping Name: Coating Solution
Hazard Class: 3
Secondary Risk:
UN/NA Number: 1139
Packing Group: III
Label Required:
Marine Pollutant: No

SECTION 15 – REGULATORY INFORMATION

CERCLA (Superfund) reportable quantity: Not Listed

Superfund Amendments and Reauthorization Act of 1986 (SARA)
Hazard categories
Immediate Hazard – Yes Delayed Hazard – No Fire Hazard – Yes Pressure Hazard – No Reactivity Hazard – No

Section 302 extremely hazardous substance Not listed **Section 311/312/313 hazardous chemical** Ethylene Glycol Monobutyl Ether)

State regulations
2-Butoxyethanol (Glycol Ether EB) can be found on the following right to know lists: California, Florida, New Jersey, Minnesota, Pennsylvania, and Massachusetts.

Ingredient Listings USA TSCA, Canada DSL/NDSL, Europe DSCL/EEC

SECTION 16 – OTHER INFORMATION

E-mail address: info@Exxene.com
Intended Use: Thermal-cure, anti-fog coating for plastic surfaces.

Disclaimer: This product is intended for use by skilled individuals at their own risk. The information contained herein is based on data considered accurate based on current state of knowledge and experience. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. This information does not represent any guarantee of the properties of the product, and Exxene Corporation and its Affiliates shall not be held liable for any damage resulting from handling or contact with the product.