

Material Safety Data Sheet

I-99

MSDS No. EX0110301

Date of Preparation: March 2001

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: I-99
Chemical Formula: mixture
CAS Number: na
Other Designations: Keep Klear, Klean n Klear, Fog Fixer, Horizon Anti-Fog Cloth
General Use: temporary wipe-on anti-fog composition
Manufacturer: Exxene Corporation, 5939 Holly Road, Corpus Christi, Texas 78414, Phone (361)991-8391, FAX (361)991-9057 (8 am—5 pm CST)

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☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	% wt
Propylene glycol	57-55-6	12 %
Alkyl(polyalkylene oxide) siloxane	68037-64-9	< 25 %
Poly(alkylene oxide)monoallyl ether acetate	Na	< 12 %
Polyether polyol acetate	Na	< 3 %

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH IDLH
	TWA	STEL	TWA	STEL	TWA	STEL	
Propylene glycol	Not establish	Not establish	Not establish	Not establish	Not establish	Not establish	Not est
Alkyl(polyalkylene oxide) siloxane	Not establish	Not establish	Not establish	Not establish	Not establish	Not establish	Not est

Section 3 - Physical and Chemical Properties

Physical State: liquid
Appearance and Odor: colorless liquid
Odor Threshold: moderate
Vapor Pressure: .8 mm Hg @ 20 °C
Vapor Density (Air=1): >1
Density: 1.00

Water Solubility: complete
Boiling Point: 100 →300 Celsius
Viscosity: 10 Centistokes
% Volatile: 75

Section 4 - Fire-Fighting Measures

Flash Point: 62 °C
Flash Point Method: TCC
Extinguishing Media: water fog, alcohol foam, dry chemical, carbon dioxide
Unusual Fire or Explosion Hazards: Slightly flammable. Containers exposed to intense heat should be cooled with water to prevent rupture.
Hazardous Combustion Products: carbon oxides & organic compounds
Fire-Fighting Instructions: Do not release runoff from fire control methods to sewers or waterways.
Fire-Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.

LEL: 2.6 % v/v
UEL: 12.5 % v/v



Section 5 - Stability and Reactivity

Stability: I-99 is stable at room temperature in closed containers under normal storage and handling conditions.
Polymerization: Hazardous polymerization cannot occur.
Chemical Incompatibilities: oxidizers

Section 6 - Health Hazard Information

Potential Health Effects

Target Organs: none—non-toxic
Acute Effects
Inhalation: Not irritating.

Eye: Avoid contact with eyes. May be slightly irritating but poses no real danger. **Skin:** Not expected to be absorbed through the skin in toxic amounts.

Ingestion: Dangerous by ingestion. May cause nausea, vomiting and diarrhea.

Medical Conditions Aggravated by Long-Term Exposure: none known

Chronic Effects: none known.

Emergency and First Aid Procedures

Inhalation: Not a potential threat. Get medical attention if sensitivity or extreme reaction occurs.

Eye Contact: Flush excess material from eyes with water for at least 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissue. Get medical attention if irritation persists.

Skin Contact: Relatively brief exposure causes no known adverse effects. Flush thoroughly with cool water under show while removing contaminated clothing and shoes. Seek medical attention.

Ingestion: NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. If swallowed, have conscious person drink several glasses of water or milk. INDUCE VOMITTING. GET MEDICAL ATTENTION IMMEDIATELY.

After first aid, get appropriate in-plant, paramedic, or community medical support.

Note to Physicians: Treat for clinical symptoms.

Section 7 - Spill, Leak, and Disposal Procedures

Containment: For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways.

Cleanup Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120).

Disposal: Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

Section 8 - Exposure Controls / Personal Protection

Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs. Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Respiratory Protection: Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or nonroutine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA.

Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres. If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit-testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

Protective Clothing/Equipment: Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Section 9 - Special Precautions and Comments

Generic name: wipe-on anti-fog

DOT Proper Shipping

name: Coating Solution

DOT Hazard Class: 3

(flammable) III

UN/NA Number: 1139

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