

SECTION 1. - PRODUCT INFORMATION

PRODUCT NAME: EF

MANUFACTURER: ICEUS, Inc.

305-B Scarlet Blvd.
Oldsmar, FL 34677

EMERGENCY TELEPHONE NUMBER: 1-866-733-8279

PRODUCT DESCRIPTION: Degreaser Solvent

CHEMICAL FAMILY: Volatile, non-halogenated, aliphatic and oxygenated hydrocarbons.

SECTION 2. - COMPOSITION / INFORMATION ON INGREDIENTS

This product is defined as OSHA Hazard COMBUSTIBLE per 29CFR1910.1200.

HAZARDOUS INGREDIENTS: None

NON-HAZARDOUS INGREDIENTS: CAS # 64771-72-8, 68647-72-3

SECTION 3. - HAZARDS IDENTIFICATION

EYE CONTACT: May cause irritation, tearing and redness. Does not injure eye.

SKIN CONTACT: Prolonged or repeated contact with skin may cause defatting or dryness of skin. Continued dryness may cause dermatitis.

INHALATION: Excessive inhalation of vapors can cause irritation of the respiratory tract, nausea, dizziness or headache.

INGESTION: Product has low order of acute oral toxicity, but ingestion of large quantities may cause nausea, vomiting, and gastrointestinal irritation. May cause injury if aspirated into lungs.

SECTION 4. - FIRST AID MEASURES

EYE CONTACT: Flush with water for 15 minutes. If irritation persists, contact physician.

SKIN CONTACT: Wash thoroughly with soap and water. Remove contaminated clothing.

INHALATION: If affected by vapors, get to fresh air. If breathing is difficult, see physician.

INGESTION: Do not induce vomiting. Product contains hydrocarbon. Consult physician.

SECTION 5. - FIRE FIGHTING MEASURES

FLASH POINT: 144EF TCC

FLAMMABLE LIMITS (estimated at 77EF): LEL: 1.3% UEL: 8.9%

AUTO-IGNITION TEMPERATURE: 410°F (approximate)

GENERAL HAZARDS: Combustible liquid. Can form combustible mixtures at or above flash point.

FIRE FIGHTING: Extinguish with CO₂, foam or dry chemical. Class B fire procedures.

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, carbon monoxide and smoke.

SECTION 6. - ACCIDENTAL RELEASE MEASURES

LAND SPILL: Remove ignition sources. Contain the spill. Recover free product. Absorb with suitable chemical absorbent for disposal via incineration or burial in approved landfill. Observe local, state and federal regulations.

WATER SPILL: Remove from water by skimming or use of suitable absorbent.

SECTION 7. - HANDLING AND STORAGE

ELECTROSTATIC ACCUMULATION HAZARD: Unknown, use proper grounding procedures.

STORAGE TEMPERATURE: Ambient

GENERAL: Keep away from heat sources, open flames and other ignition sources. Keep product containers closed when not in use.

SECTION 8. - EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROLS: The use of additional ventilation is recommended whenever this product is used in a unventilated confined space, is heated above ambient temperatures, or is agitated.

EXPOSURE LIMITS 8 HRS TWA (ppm):	OSHA PEL	ACGIH TLV	RECOMMENDED
	Not established	Not established	300

PERSONAL PROTECTION: Safety glasses are recommended when eye contact may occur. Solvent resistant gloves are recommended where prolonged skin exposure is expected.

SECTION 9. - PHYSICAL AND CHEMICAL PROPERTIES

ODOR AND APPEARANCE: Colorless liquid with mild citrus odor.

pH: Not applicable

VAPOR PRESSURE: < 1mmHg at 20EC

VAPOR DENSITY (Air = 1): > 1

SPECIFIC GRAVITY (Water = 1): 0.76

MISCIBILITY IN WATER: Non-miscible

PERCENT VOLATILE: 100%

VOC CONTENT: 756 grams / liter

EVAPORATION RATE (n-butyl acetate = 100): 3.2

BOILING POINT: 380EF - 430EF

SECTION 10. - STABILITY AND REACTIVITY

GENERAL: This product is stable and hazardous polymerization will not occur.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID: Strong oxidizing agents.

SECTION 11. - TOXICOLOGICAL INFORMATION

Please refer to Section 3 for available information on potential health effects.

SECTION 12. - ECOLOGICAL INFORMATION

No specific ecological data is available at this time. See Section 6 for information regarding Accidental Release Measures and Section 15 for Regulatory Information.

SECTION 13. - DISPOSAL CONSIDERATIONS

Please refer to Section 5, 6 and 15 for disposal and regulatory reporting information.

SECTION 14. - TRANSPORT INFORMATION

DEPARTMENT OF TRANSPORTATION (DOT)

Note: In containers of 119 gallons capacity or less, this product is not regulated by DOT.

DOT PROPER SHIPPING NAME: Not applicable

DOT HAZARD CLASS: Not hazardous

DOT IDENTIFICATION: Not applicable

SECTION 15. - REGULATORY INFORMATION

RCRA: If discarded in its purchased form this product would not be hazardous waste either by listing or characteristic.

TSCA: The ingredients in this product are listed on the TSCA inventory.

CERCLA: Not reportable. We recommend you contact local authorities to determine if there may be other local reporting requirements.

SARA TITLE III: 311/312 Hazard Categories: Fire

313 Reportable Ingredients: None

SECTION 16. - OTHER INFORMATION

HAZARD RATING SYSTEMS: This information is for people trained in:

National Paint and Coatings Association (NPCA)

Hazardous Materials Identification System (HMIS)

National Fire Protection Association (NFPA 704)

Identification of the Fire Hazard of Materials

	<u>NPCA-HMIS</u>	<u>NFPA 704</u>	<u>KEY</u>	<u>KEY</u>
HEALTH	1	1	4 = SEVERE	A = Safety Glasses (SG)
FLAMMABILITY	2	2	3 = SERIOUS	B = (SG) & Gloves
REACTIVITY	0	0	2 = MODERATE	C = (SG), Gloves & Apron
PROTECTION	B		1 = SLIGHT	D = Face Shield, Gloves & Apron
			0 = MINIMAL	

REVISION SUMMARY: N/A

SUPERSEDES REVISION DATE: N/A

The information contained herein is believed to be reliable and accurate but is provided without warranty regarding its accuracy. Users must determine safe conditions for use and assume liability for any loss or damage resulting from product use.