



Section 1: Product & Company Information

Product Name: Defoamer A
Chemical Family: Alkanol and Sufactant blend in mineral oil
Product Use: Defoamer

Workplace Hazardous Materials Information Systems Data (WHMIS):

	Class ID	Class	Workplace Hazard
	B-3	Combustible Liquid	Combustible Liquid
	D-2-B	Materials Causing Other Toxic Effects - Toxic	Skin and eye irritant

Manufacturer Name: HiTech Fluid Systems
Address: #1800, 505 3rd Street SW, Calgary, AB T2P 3E6 Canada
General Phone Number: (403)547-2906
General Fax Number: (403)547-3129
MSDS Revision Date: June 1, 2008
Supercedes: June 23, 2005
Prepared By: HiTech Fluid Systems
Preparer's Phone: (403)547-2906

Section 2: Composition/Information on Ingredients

Chemical Name	Concentration	CAS#
2-Ethyl Hexanol	10-30%	104-76-7

Section 3: Hazards Identification

Emergency Overview: N/A

Routes of Entry:

Skin Contact: Yes
Skin Absorption: No
Eye Contact: Yes
Inhalation: Yes
Ingestion: Yes

Potential Health Effects:

Skin:	Irritant. May cause redness and swelling on contact.
Eye:	Severe irritant. May cause irritation, redness and swelling on contact.
Inhalation:	High vapour concentrations are irritating to the eyes and the respiratory tract, and may cause headaches, dizziness, anaesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death.
Ingestion:	May cause gastrointestinal irritation. Small amounts of liquid aspirated into the respiratory system during ingestion, or from vomiting, may cause mild to severe pulmonary injury and possible death.

Section 4: First Aid Measures

Eye Contact:	In case of eye contact, flush with water for 15 minutes. Seek immediate medical attention.
Skin Contact:	In case of skin contact, wash with soap and water. If irritation develops or persists, seek medical attention.
Inhalation:	In case of inhalation, remove patient to fresh air. If symptoms persist, seek medical attention.
Ingestion:	If ingested, DO NOT induce vomiting. If vomiting occurs naturally, have patient lean forward to reduce the risk of aspiration. Seek immediate medical attention.
Other First Aid:	N/A

Section 5: Fire Fighting Measures

Conditions Of Flammability:	N/A
Extinguishing Media:	Dry chemical, foam, water fog, CO ₂
Flashpoint:	81°C
Upper Flammable Limit:	N/A
Lower Flammable Limit:	N/A
Autoignition Temperature:	N/A
Protective Equipment:	Firefighters must wear appropriate breathing apparatus and clothing.
Sensitivity To Impact or Static Discharge:	N/A
Hazardous Combustion Products:	CO _x
Fire Comment:	

Section 6: Accidental Release Measures

- Personnel Precautions:** Use proper personal protective equipment as listed in section 8.
- Spill Cleanup Measures:** Use appropriate safety equipment. Soak up with absorbent material. For large spills, dike to contain spill and prevent water pollution. Recover diked material and return recovered material to plant.

Section 7: Handling & Storage

- Handling:** Wash thoroughly after handling. Avoid prolonged or frequent contact when handling material. Avoid contact with eyes, skin, or clothing. Avoid breathing vapours, mist, fumes, or dust. Wear protective equipment and launder contaminated clothing before re-use.
- Storage:** Keep container closed when not in use. Store in cool and dry location away from oxidizing agents.

Section 8: Exposure Controls, Personal Protection, Exposure Guidelines

- Engineering Controls:** General mechanical, 10 changes per hour.
- Personal Protective Equipment:** Suggest rubber apron, plastic or nitrile gloves, and safety glasses with sideshields.
- Respiratory Protection:** In absence of proper ventilation, recommend an approved organic vapour chemical mask.
- Exposure Limits:** N/A

Chemical Name	ACGIH TLV-TWA	OSHA PEL-TWA
2-Ethyl Hexanol	Not Available	Not Available

Section 9: Physical & Chemical Properties

- Physical State:** Liquid
- Odour And Appearance:** Green liquid; sweet odour
- Odour Threshold:** Low
- Boiling Point:** N/A
- Evaporation Rate:** N/A
- Melting Point:** N/A
- Freezing Point:** N/A
- Specific Gravity:** 0.890
- Solubility in Water:** Insoluble

Vapour Density:	N/A
Vapour Pressure:	N/A
pH:	N/D
Flash Point:	81°C
Volatility (% by volume):	N/A
Coefficient of Water to Oil distribution:	N/A

Section 10: Stability & Reactivity

Chemical Stability:	Yes
Hazardous Polymerization:	Will not occur.
Conditions Of Chemical Instability:	
Incompatible Substances:	Strong oxidizers
Special Decomposition Products:	CO _x

Section 11: Toxicological Information

Chemical Name	LD ₅₀ (Oral Rat)	LD ₅₀ (Dermal Rabbit)	LC ₅₀ (Inhalation Rat)
2-Ethyl Hexanol	2049 mg/kg	1970 mg/kg	>227 ppm/6 hr

Effects Of Acute Exposure:	N/A
Effects Of Chronic Exposure:	N/A
General Irritancy Of Product:	N/A
Sensitization:	N/A
Carcinogenicity:	N/A
Reproductive Toxicity:	N/A
Teratogenicity:	N/A
Embryotoxicity:	Not Available
Mutagenicity:	N/A
Synergistic Products:	N/A

Section 12: Ecological Information

Ecotoxicity:	Not Available
Environmental Fate:	Not Available

Section 13: Disposal Considerations

Waste Disposal: Absorb spilled material with absorbent compound. Incinerate/dispose of in accordance with local regulations.

Section 14: Transport Information



TDG Classification: N/A

DOT UN Number: N/A

Shipping Notes: N/A

Section 15: Regulatory Information

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This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

Section 16: Additional Information

MSDS Revision Date: June 1, 2008

MSDS Revision Notes:

MSDS Author: HiTech Fluid Systems

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