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EMERGENCY: INFOTRAC 1-800-535-5053 24 HOURS/DAY, 7 DAYS/WEEK

This MSDS Complies With 29 CFR 1910.1200 (The Hazard Communication Standard)

SECTION I – IDENTIFICATION

Product Name: FR WG 300-D
Chemical Identification: Fire Retardant Water Glycol Hydraulic Fluid
CAS #: Mixture

SECTION II – INGREDIENTS AND HAZARD CLASSIFICATION

CAS or Chemical Name: Diethylene Glycol
CAS #: 111-46-6
Percentage Rate: < 40 %
Hazardous per 29 CFR 1910.1200: Yes
Exposure Standard: Not established

CAS or Chemical Name: Polyalkylene Glycol
CAS #: 52624-57-4
Percentage Rate: < 20 %
Hazardous per 29 CFR 1910.1200: Yes
Exposure Standard: Not established

CAS or Chemical Name: Dipae
CAS #: 96-80-0
Percentage Rate: 3 %
Hazardous per 29 CFR 1910.1200: Yes
Exposure Standard: Not established

CAS or Chemical Name: D/I Water
CAS #: 7732-18-5
Percentage Rate: < 40 %
Hazardous per 29 CFR 1910.1200: No
Exposure Standard: Not established

CAS or Chemical Name: Morpholine
CAS #: 110-91-8
Percentage Rate: < 2 %
Hazardous per 29 CFR 1910.1200: Yes
Exposure Standard:
20 ppm/ 30 ppm STEL ACGIH

20 ppm OSHA (Trans/Final)
30 ppm STEL OSHA (Final)

SECTION III – PHYSICAL DATA

Boiling Point/Melting Point @ 760 Mm Hg: 215 ^{o} F
Vapor Pressure Mm Hg @ 20 ^{o} C: Not applicable
Specific Gravity or Bulk Density: 8.99 lb./gal.
Solubility in Water: Complete
pH: 9.6
Pour Point: - 53 ^{o} F
Appearance: Slightly hazy, red liquid
Odor: Glycol type
Intensity: Slight

SECTION IV – FIRE AND EXPLOSION DATA

FlashPoint: 250 ^{o} F ******
Autoignition Temp: 775 ^{o} F ******
Flammability Limits in Air (% by Vol.): Lower: N/A Upper: N/A
Extinguishing Media: Use water fog, foam, or CO_2 extinguishing media.
Fire Fighting Procedures: Fire Fighters should be equipped with self-contained breathing apparatus and turnout gear.

****:** After water has boiled away

NFPA Codes: HEALTH – 1 FLAMMABILITY – 0 REACTIVITY – 0

SECTION V – REACTIVITY DATA

Stability: Stable
Conditions to Avoid: Not applicable
Chemical Incompatibility: Not applicable
Hazardous Decomposition Products: Not applicable
Hazardous Polymerization: Will not occur
Conditions to Avoid: Corrosive to tin, lead, zinc, magnesium, and calcium
Oxidizer: No

SECTION VI – HEALTH HAZARD INFORMATION

Effects of Acute Overexposure: The primary routes of exposure to this material are eye or skin contact, and inhalation. Prolonged or repeated skin or eye contact may result in irritation. Vapors or mists of diethylene glycol may be irritating to the respiratory tract. The effects of ingestion include nausea, diarrhea, dizziness, drowsiness, kidney damage and possible coma. Chronic overexposure to diethylene glycol may result in kidney and liver damage.

Existing Medical conditions Aggravated by Exposure to this Material: No information found for this mixture.
Respiratory Protection: If vapors or mists are generated, wear a NIOSH/MSHA approved organic vapor/mist respirator.
Eye Protection: Chemical splash goggles and a face shield if splashing hazard exists.
Protective Clothing: Gloves, coveralls, apron, boots to prevent skin contact.
Ventilation: Use local exhaust to control vapors/mists.

First Aid:
Skin: Thoroughly wash with soap and water. Remove and launder contaminated clothing before reuse. If irritation develops, get medical attention.
Eyes: Immediately irrigate with water for at least 15 minutes. If irritation develops get medical attention.
Ingested: If swallowed, dilute with water and immediately induce vomiting. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Get immediate medical attention.
Inhaled: Move to fresh air. Aid in breathing if necessary and get medical attention.

Toxicological Test Data:	**Result:**
Rat, Oral LD50	> 5000 Mg/kg
Rabbit, Skin Irritation	Irritating
Rabbit, Eye Irritation	Irritating

SECTION VII- PRECAUTIONS FOR SAFE HANDLING AND USE

Store in a cool dry place. Keep container closed. Avoid prolonged contact with skin or clothing. Avoid extreme heat. This product does not contain or manufactured with Class I or Class II ozone -depleting substances.

SECTION VIII – CONTROL MEASURES

Environmental Toxicity Data: Fish toxicity LC50 > 1000 Mg/1 (fathead minnow, 96 hr.)
Spill and Leak Procedures: Spill should be contained, solidified, and placed in suitable containers for disposal. This material is not regulated under RCRA or CERCLA (“Superfund”).

Waste Disposal Method: Do not discharge into waterways or sewer systems. Dispose of in accordance with all applicable local, state, and federal regulations.

SECTION IX – TRANSPORTATION INFORMATION

Dot Hazard Classification: Not Regulated

SECTION X – REGULATORY INFORMATION

SECTION XI – SPECIAL PRECAUTIONS

Prepared By: Mark D. Latunski
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Date Prepared: 07/20/2001

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