
MATERIAL SAFETY DATA SHEET

HEAT TRANSFER FLUID

SECTION 1 - PRODUCT IDENTIFICATION

Trade name:
Heat Transfer Fluid
DOT Shipping name:
Not regulated
Chemical Family:
Solvent
DOT Hazard class:
Not Regulated
Co. ID No.:
HTF
CAS NO.:
Mixture
UN/NA#:
NA 1993

SECTION 2 - HAZARDOUS INGREDIENTS / EXPOSURE LIMITS

HAZARDOUS INGREDIENTS	CAS #	TLV/PEL	AGENCY	TYPE
None				

SECTION 2A - SARA 313 LISTED CHEMICALS

LISTED INGREDIENTS	CAS #	WT. %	RANGE
None			

SECTION 3 - EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT:

If irritation or redness develops, flush eyes with clean water and seek medical attention.

SKIN CONTACT:

Cleanse affected areas thoroughly by washing with mild soap water. If irritation persists, seek medical attention.

INHALATION (BREATHING):

Not expected to present a significant inhalation hazard under anticipated conditions of normal use.

INGESTION (SWALLOWING):

If swallowed, seek emergency medical attention. Do not induce vomiting. Seek immediate medical attention.

SECTION 4 - HEALTH HAZARDS / ROUTES OF ENTRY

EYE CONTACT:

Direct contact with the liquid or exposure may cause stinging, tearing, redness or swelling.

SKIN CONTACT:

Contact with this material may cause drying of the skin.

SKIN ABSORPTION:

Symptoms of toxicity are not anticipated by this route alone.

INHALATION (BREATHING):

Inhalation of concentrated vapors can cause headache and respiratory fatigue.

INGESTION (SWALLOWING):

While this material has a low degree of toxicity, ingestion of large quantities may cause the following:

Irritation of the digestive tract.

Signs of nervous system depression, such as, headache, drowsiness, dizziness, loss of coordination, fatigue and nausea.

ASPIRATION HAZARD:

Components of this material can enter the lungs during swallowing and cause lung inflammation and damage.

TARGET ORGAN TOXIN:

Central nervous system, respiratory system.

SECTION 5 - SPECIAL PROTECTION INFORMATION

VENTILATION:

Ventilation or exhaust systems may be required.

RESPIRATORY PROTECTION:

Recommended but not necessary.

PROTECTIVE GLOVES:

Recommended but not necessary.

EYE PROTECTION:

Approved eye protection to safeguard against potential eye contact is recommended.

SECTION 6 - REACTIVITY DATA

STABILITY:

Stable

INCOMPATIBILITY (MATERIALS TO AVOID):

This product is incompatible with:

Strong acids or bases, Oxidizing agents, Selected amines

HAZARDOUS DECOMPOSITION PRODUCTS:

Will not occur.

HAZARDOUS POLYMERIZATION:

Will not occur.

SECTION 7 - SPILL OR LEAK PROCEDURES

PRECAUTIONS IN CASE OF LEAK OR SPILL:

Spilled material may be absorbed by an appropriate absorbent.

WASTE DISPOSAL METHOD:

Dilute aqueous waste may biodegrade. Soil or water should not be designated RCRA hazardous waste. Dispose of in accordance with local, county, state and federal regulations.

SECTION 8 - STORAGE AND SPECIAL PRECAUTIONS

HANDLING AND STORAGE PRECAUTIONS:

Keep containers tightly closed, cool, dry and away from all sources of ignition.

SECTION 9 - FIRE AND EXPLOSION HAZARD DATA

EXTINGUISHING MEDIA:

Extinguish with dry chemical, CO₂ or a universal type foam.

FIRE AND EXPLOSION HAZARD:

None.

FIRE FIGHTING PROCEDURES:

Wear appropriate protective equipment including respiratory protection as conditions warrant. Water spray may be useful in minimizing or dispersing vapors and cooling equipment exposed to heat and flame.

SECTION 10 - PHYSICAL DATA

APPROXIMATE BOILING POINT (DEG F):

204

PERCENT VOLATILE:

97

SPECIFIC GRAVITY (68 f):

0.986

FLASH POINT, (TCC, DEG F):

158

RELATIVE EVAPORATION RATE (ESTIMATED):

>1 (nBuOAC=1)

PERCENT SOLUBILITY IN WATER (ESTIMATED):

100

VAPOR PRESSURE @68 F (ESTIMATED):

5 mmHg

SECTION 11 - OTHER REGULATORY DATA

SARA

SECTION 311,312: YES

TSCA

ALL COMPONENTS ARE IN FULL COMPLIANCE WITH THE TSCA INVENTORY.

RCRA

IF THIS MATERIAL BECOMES A WASTE, IT WOULD BE CLASSIFIED AS D001.

CARCINOGENICITY

NOT LISTED UNDER IARC OR NTP.

HMIS

HEALTH 0

FLAMMABILITY 1

REACTIVITY 0

CALIFORNIA PROPOSITION 65

THIS PRODUCT DOES NOT CONTAIN CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

CERCLA

NONE

Product: Heat Transfer Fluid

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