



UCON HEAT TRANSFER FLUID 500

MSDS Number

BBLFX

National Stock Number

6850-00F002563

Product Name

UCON HEAT TRANSFER FLUID 500

Manufacturer

UNION CARBIDE CHEM AND PLASTICS CO INC

Product Identification

Product ID:UCON HEAT TRANSFER FLUID 500

MSDS Date:11/12/1992

FSC:6850

NIIN:00F002563

MSDS Number: BBLFX

Responsible Party

UNION CARBIDE CHEM. & PLASTICS CO INC

39 OLD RIDGEBURY RD

DANBURY , CT 06817-0001

US

Emergency Phone: 203-794-6753/304-744-3487

Info Phone: 800-822-4357/304-744-3487

Cage: 0TAZ2

Contractor

UNION CARBIDE CORPORATION

DANBURY, CT 06817-0001

US

1-800-568-4000 / 732-563-5522

Cage: 0TAZ2

Ingredients

POLYALKYLENE GLYCOL

Fraction By Weight: >95%

N-PHENYL-1-NAPTHYLAMINE

CAS: 90-30-2

RTECS: QM4500000

Fraction By Weight:

Hazards

Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:SKIN: PROLONGED CONTACT MAY CAUSE
REDDENING, ITCHINESS, BURNING SENSATION, DRYING/FLAKING. EYES: MAY
CAUSE IRRITATION, STINGING, EXCESS BLINKING/TEARING. EXCESS REDNESS
OF CONJUNCTIVA MAY OCCUR. CHRON IC: EXPOSURE TO THIS MATERIAL MAY
DECREASE OXYGEN CARRYING CAPACITY OF THE BLOOD. (SEE SUPP)



Explanation of Carcinogenicity:NONE
Effects of Overexposure:IRRITATION, REDDENING, ITCHINESS, BURNING,
DRYING, FLAKING, STINGING, EXCESS BLINKING/TEARING, DIZZINESS,
NAUSEA.
Medical Cond Aggravated by Exposure:PRE-EXISTING DERMATITIS,
CARDIOVASCULAR DISEASE, IMPAIRMENT OF RESPIRATORY FUNCTION.

First Aid

First Aid:INGESTION: IF FULLY CONSCIOUS GIVE 2 GLASSES OF WATER. DON'T
INDUCE VOMITING. ASPIRATION HAZARD. SKIN: WASH W/SOAP & WATER.
INHALATION: REMOVE TO FRESH AIR. EYES: IMMEDIATELY FLUSH W/WATER &
CONTINUE WASHING FOR SEVERAL MINS. NOTES TO PHYSICIAN: LOW
TOXICITY BY INGESTION. ANY MATERIAL ASPIRATED DURING VOMITING MAY
CAUSE LUNG INJURY. EMESIS SHOULDN'T BE INDUCED
MECHANICALLY/PHARMACOLOGICALLY.(SUPP)

Fire Fighting

Flash Point Method:PMCC
Flash Point:425F
Extinguishing Media:LARGE: ALCOHOL FOAM, FOAM. SMALL: CO2, DRY
CHEMICAL.
Fire Fighting Procedures:WEAR SCBA & PROTECTIVE CLOTHING. DON'T DIRECT
SOLID STREAM OF WATER/FOAM INTO HOT/BURNING POOLS. MAY CAUSE
FROTHING/INCREASE FIRE INTENSITY.

Accidental Release

Spill Release Procedures:WEAR SUITABLE PROTECTIVE EQUIPMENT, ESPECIALLY
EYE PROTECTION. SMALL: FLUSH W/LARGE AMOUNTS OF WATER. LARGER:
COLLECT FOR DISPOSAL.

Handling

Handling and Storage Precautions:KEEP CONTAINER CLOSED. USE W/ADEQUATE
VENTILATION. FOR INDUSTRIAL USE ONLY.
Other Precautions:DON'T ADD NITRITES/OTHER NITROSATING AGENTS BECAUSE
NITROSAMINES, WHICH MAY CAUSE CANCER, MAY BE FORMED. AVOID CONTACT
W/EYES/SKIN/CLOTHING. AVOID BREATHING VAPOR. DON'T SWALLOW.

Exposure Controls

Respiratory Protection:NOT REQUIRED FOR USE AT LOW TEMPERATURES.
Ventilation:GENERAL ROOM SATISFACTORY FOR NORMAL USE. SPECIAL/LOCAL
EXHAUST WHERE EXPOSURES TO ELEVATED TEMPERATURES OCCUR.
Protective Gloves:POLYVINYL CHLORIDE-COATED
Eye Protection:MONOGOGGLES
Other Protective Equipment:EYE BATH & SAFETY SHOWER
Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.
Supplemental Safety and Health
HEALTH HAZARDS CONT'D: ASPIRATION CAUSES LUNG INJURY. OVEREXPOSURE TO
VAPOR GENERATED AT HIGH TEMPS CAUSES EYE/RESPIRATORY TRACT
IRRITATION/DIZZINESS/NAUSEA/INHALTION OF HARMFUL AMOUNTS OF
MATERIAL. NOTE TO PHYSICIAN CONT'D: IF NECESSARY TO EVACUATE
STOMACH CONTENTS, GASTRIC LAVAGE AFTER ENDOTRACHEAL INTUBATION.

Chemical Properties

Boiling Pt:B.P. Text:NONE
Melt/Freeze Pt:M.P/F.P Text:-55F
Decomp Temp:Decomp Text:550F
Vapor Pres:Vapor Density:>1
Spec Gravity:1.038
Evaporation Rate & Reference:(BU AC=1): Solubility in Water:100/WT
Appearance and Odor:TRANSPARENT AMBER LIQUID W/MILD SWEET ODOR

Stability

Stability Indicator/Materials to Avoid:YES
NITRATES/NITROSATING AGENTS/STRONG BASES/STRONG ACIDS/STRONG OXIDIZING
AGENTS/MATERIALS REACTIVE W/HYDROXYL COMPOUNDS.
Stability Condition to Avoid:TEMPS >550F
Hazardous Decomposition Products:CO/CO2/OXIDES OF CARBON &



NITROGEN/WATER VAPOR/ORGANIC ACIDS/FORMIC ACID/ACETIC ACID/ALDEHYDES/ESTERS/KETONES.

Disposal

Waste Disposal Methods:INCINERATE IN A FURNACE/DISPOSE OF IAW/FEDERAL, STATE & LOCAL REGULATIONS.

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