

MATERIAL SAFETY DATA SHEET

409500

409510

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TECHNICAL CHEMICAL COMPANY
10737 SPANGLER RD.

Murray Temperature Control

CTC

409510

DALLAS
972-556-1421

TX75220

MSDS NO. 6709

PRODUCT XXXESTER II LEB HIVIS 6/1 8.4

REVISION

REV. DATE 04/18/94

DATE 12/17/97

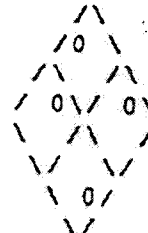
TCC

ESTER 100

01. PRODUCT IDENTIFICATION

CHEMICAL NAME: POLY ESTER WITH ANTIOXIDENT
SYNONYM(S)/COMMON NAME(S):
REFRIGERANT OIL

FLAMMABILITY (RED)



HEALTH (BLUE)

REACTIVITY (YELLOW)

SPECIAL HAZARD

CHEM FORMULA: NA PROPRIETARY
CAS NUMBER: NA MIXTURE

DOT SHIP NAME: NONE
DOT HAZ CLASS: NON-HAZARDOUS
DOT ID NUMBER: NA

EMERGENCY TELEPHONE DURING BUSINESS HOURS (972)556-1421.

24 HR EMERGENCY SPILL INFORMATION CALL CHEMTREC 1-800-424-9300.

IMCO SHIP NAME: NONE
IMCO HAZARDOUS CLASS: NON-HAZARDOUS
IMCO ID NUMBER: NONE

02. HAZARDOUS INGREDIENTS

INGREDIENT	OSHA PEL / ACGIH TLV	CAS NUMBER	PERCENT
POLYOL ESTER	NOT LISTED / NOT LISTED	NA	>99%
ANTIOXIDENT	NOT LISTED / NOT LISTED	NA	<01%
INGREDIENTS NOT PRECISELY IDENTIFIED ARE PROPRIETARY OR NONHAZARDOUS.			

ALL INGREDIENTS ARE ON THE TSCA CHEMICAL SUBSTANCE INVENTORY. THIS PRODUCT DOES NOT CONTAIN ANY CHEMICALS SUBJECT TO THE REPORTING

02. HAZARDOUS INGREDIENTS
REQUIREMENTS OF SARA SECTION 313.

(CONTINUE)

03. PHYSICAL CHARACTERISTICS

PH
NO DATA
BOILING POINT: > 482 DEG F
SPECIFIC GRAVITY (H2O=1): 0.976 @ 15 C
VAPOR PRESSURE (MM HG): <10MM HG @ 20C
MELTING POINT: -30 DEG C
VAPOR DENSITY (AIR = 1): NO DATA
SOLUBILITY IN WATER: INSOLUBLE
EVAPORATION RATE (BUTYL ACETATE = 1): NO DATA
APPEARANCE & ODOR: CLEAR COLORLESS LIQUID WITH MILD ODOR

04. FIRE AND EXPLOSION DATA

AUTOIGNITION TEMPERATURE
NO DATA

DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS
COMBUSTION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE.

"EMPTY" CONTAINER WARNING
EMPTY CONTAINER RETAINS PRODUCT RESIDUE. OBSERVE ALL HAZARD
PRECAUTIONS. DO NOT DISTRIBUTE, MAKE AVAILABLE, FURNISH OR REUSE
EMPTY CONTAINER EXCEPT FOR STORAGE AND SHIPMENT OF ORIGINAL PRODUCT.
REMOVE ALL PRODUCT RESIDUE FROM CONTAINER AND PUNCTURE OR OTHERWISE
DESTROY EMPTY CONTAINER BEFORE DISPOSAL.

DISPOSAL METHOD: DISCARDED PRODUCT IS NOT A HAZARDOUS WASTE UNDER
RCRA, 40 CFR 261.

EXTINGUISHING MEDIA AND FIRE FIGHTING PROCEDURES
WATER FOG, FOAM, CARBON DIOXIDE, DRY CHEMICAL, HALOGENATED AGENTS.

FIRE AND EXPLOSION HAZARD INFORMATION
NO UNUSUAL FIRE AND EXPLOSION HAZARDS ARE KNOWN.

FLASH POINT (MINIMUM)
500 DEG F (COC)

FLAMMABLE OR EXPLOSIVE LIMITS (APRX. :: BY VOLUME IN AIR)
NO DATA

SPECIAL FIRE FIGHTING PROCEDURES
SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE AND PROTECTIVE
CLOTHING.

05. REACTIVITY DATA

REACTIVITY

STABLE UNDER NORMAL CONDITIONS. KEEP AWAY FROM OXIDIZING AGENTS.

06. HEALTH HAZARD DATA

EFFECT OF OVEREXPOSURE (SIGNS AND SYMPTOMS OF EXPOSURE)
NO ADVERSE CLINICAL EFFECTS HAVE BEEN ASSOCIATED WITH EXPOSURES TO THIS MATERIAL.

EYE CONTACT

THIS MATERIAL MAY IRRITATE HUMAN EYES FOLLOWING CONTACT.

EYE CONTACT

IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. IF REDNESS, ITCHING, OR A BURNING SENSATION DEVELOPS, HAVE EYES EXAMINED AND TREATED BY MEDICAL PERSONNEL.

INGESTION

THE ACUTE ORAL LD50 IN RAT IS PROBABLY ABOVE 2000 MG/KG. RELATIVE TO OTHER MATERIALS, THIS MATERIAL IS CLASSIFIED AS "SLIGHTLY TOXIC" BY INGESTION.

INGESTION

DO NOT INDUCE VOMITING. GIVE 1 OR 2 GLASSES OF WATER TO DRINK. IF GASTROINTESTINAL SYMPTOMS DEVELOP, CONSULT MEDICAL PERSONNEL. (NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON)

INHALATION

NO TOXIC EFFECTS ARE KNOWN TO BE ASSOCIATED WITH INHALATION OF VAPORS FROM THIS MATERIAL. HIGH CONCENTRATIONS OF MIST MAY BE SLIGHTLY IRRITANT TO THE UPPER RESPIRATORY TRACT.

INHALATION

REMOVE VICTIM TO FRESH AIR. IF A COUGH OR OTHER RESPIRATORY SYMPTOMS DEVELOP, CONSULT MEDICAL PERSONNEL.

SKIN CONTACT

THIS PRODUCT WILL PROBABLY NOT BE ABSORBED THROUGH HUMAN SKIN.

SKIN CONTACT

WASH MATERIAL OFF OF THE SKIN WITH PLENTY OF SOAP AND WATER. IF REDNESS, ITCHING, OR A BURNING SENSATION DEVELOPS, GET MEDICAL ATTENTION. WASH CONTAMINATED CLOTHING AND DECONTAMINATE FOOTWEAR BEFORE REUSE.

07. PRECAUTIONS FOR SAFE HANDLING AND USE

SAFE HANDLING

SEE SECTION 09 SPECIAL PRECAUTIONS.

08. INDUSTRIAL HYGIENE CONTROL MEASURES

INDUSTRIAL HYGIENE CONTROL MEASURES
SEE SECTION 09 SPECIAL PRECAUTIONS.

09. SPECIAL PRECAUTIONS

EYE PROTECTION

CHEMICAL TIGHT GOGGLES, FULL FACESHIELD IN ADDITION IF SPLASHING IS POSSIBLE.

OTHER PROTECTIVE EQUIPMENT

EYEWASH STATION AND SAFETY SHOWER IN WORK AREA.

PROTECTIVE GLOVES

GENERAL PROTECTIVE CHEMICAL GLOVES FOR PROLONGED EXPOSURE.

RESPIRATORY PROTECTION

USE MSHA-NIOSH APPROVED RESPIRATOR FOR ORGANIC VAPORS, DUSTS AND MISTS WHOSE TLV IS GREATER THAN 0.05MG/M3.

SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
WEAR SKIN AND EYE PROTECTION DURING CLEANUP. CONTAIN SPILL. KEEP OUT OF SEWERS AND DRAINS. SOAK UP MATERIAL WITH ABSORBENT AND SHOVEL INTO A CHEMICAL WASTE CONTAINER.

VENTILATION

USE VENTILATION ADEQUATE TO MAINTAIN SAFE LEVELS.

10. DISCLAIMER

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