

ANTI-FREEZE COOLANT

MSDS Number

BBBXH

National Stock Number

6850-00B200005

Product Name

ANTI-FREEZE COOLANT

Manufacturer

TEXACO INC

Product Identification

Product ID:ANTI-FREEZE COOLANT

MSDS Date:12/18/1986

FSC:6850

NIIN:00B200005

MSDS Number: BBBXH

Responsible Party

TEXACO INC.

BEACON , NY 12508

US

Emergency Phone: 914831-3400 EXT. 204

Cage: 38431

Contractor

TEXACO (CAGE OBSOLETE)

LONG ISLAND, NY 11100

US

NONE

Cage: 86382

Ingredients

ETHYLENE GLYCOL (SARA III)

CAS: 107-21-1

RTECS: KW2975000

Fraction By Weight: 80-94%.

OSHA PELC 50 PPM

ACGIH TLV: C 50 PPM,VAPOR; 9192

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

WATER

CAS: 7732-18-5

RTECS: ZC0110000

Fraction By Weight: 1.-3.99%

Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Health Hazards Acute and Chronic:BELIEVED TO CAUSE SLIGHT EYE IRRITATION.SKIN:BELIEVED TO BE SLIGHTLY IRRITATING UPON PROLONGED CONTACT.RESPIRATORY SYSTEM:DROWSINESS,NARCOSIS,AND UNCONSCIOUSNESS POSSIBLE UPON EXPOSURE TO HIGH CONCENT RATIONS IN POORLY VENTILATED CONFINED SPACES.

Effects of Overexposure:LIVER AND KIDNEY DAMAGE IN 2 YR.RAT FEEDING STUDY USING 1-2% ETHYLENE GLYCOL PRODUCED BIRTH DEFECTS IN LABORATORY ANIMALS.LETHAL DOSE(HUMAN)1.0-1.5 G/KG.SYMPTOMS OF INGESTION:BEHAVIORAL CHANGES,DROWSI NESS,VOMITING,DIARRHEA,THIRST,CONVULSIONS,CYANOSIS,RAPID HEART RATE,PULMONARY EDEMA AND RENAL FAILURE.

First Aid

First Aid:EYES:FLUSH WITH WATER FOR 15 MINUTES.SKIN:WASH EXPOSED AREAS WITH SOAP AND WATER.INGESTION:GIVE LARGE QUANTITIES OF WATER,THEN INDUCE VOMITING IMMEDIATELY.GET MEDICAL ATTEN.NEVER GIVE ANYTHING BY MOUT H TO AN UNCONSCIOUS PERSON.INHALATION:REMOVE TO FRESH AIR;IF NOT BREATHING APPLY ARTIFICIAL RESPIRATION.GET MEDICAL ATTENTION.KEEP AFFECTED PERSON WARM AND AT REST.

Fire Fighting

Flash Point Method:PMCC

Flash Point:244 F

Lower Limits:3.2

Extinguishing Media:WATER SPRAY,DRY CHEMICAL,FOAM,OR CARBON DIOXIDE.WATER OR FOAM MAY CAUSE FROTHING.USE WATER TO COOL FIRE-EXPO.CONTAINERS.

Fire Fighting Procedures:IF A LEAK OR SPILL HAS NOT IGNITED,USE WTER SPRAY TO DISPERSE THE VAPORS AND TO PROVIDE PROTECTION FOR PERSONS ATTEMPTING TO STOP THE LEAK.

Unusual Fire/Explosion Hazard:NONE

Accidental Release

Spill Release Procedures:AVOID CONTACT WITH EYES.CONTAIN SPILL IF POSSIBLE.WIPE UP OR ABSORB ON SUITABLE MATERIAL AND SHOVEL UP.

Handling

Handling and Storage Precautions:MINIMUM FEASIBLE HANDLING TEMPERATURES SHOULD BE MAINTAINED.PERIODS OF EXPOSURE TO HIGH TEMPERATURES SHOULD BE MINIMIZED.

Other Precautions:WATER CONTAMINATION SHOULD BE AVOIDED.

Exposure Controls

Respiratory Protection:SUPPLIED AIR RESPIRATORY PROTECTION FOR CLEANING LARGE SPILLS OR UPON ENTRY INTO TANKS,VESSELS,OR OTHER CONFINED SPACES.

Ventilation:ADEQUATE TO MEET COMPONENT PERMISSIBLE CONCENTRATIONS.

Eye Protection:GOGGLES,FACE SHIELD OPTIONAL

Work Hygienic Practices:WASH EXPOSED SKIN AREA SEVERAL TIMES DAILY WITH SOAP AND WATER.LAUNDER OR DRY CLEAN SOILED WORK CLOTH AT LEAST WEEKLY.

Supplemental Safety and Health

PRODUCTS CONTAINING ETHYLENE GLYCOL CAN PRODUCE ADVERSE HEALTH EFFECTS IN HUMANS.SUCH PRODUCTS SHOULD NOT BE USED IN POTABLE WATER SYSTEMS OR OTHER SYSTEMS WHERE CONTAMINATION OF POTABLE WATER SUPPLIE S IS POSSIBLE.HARMFUL OR FATAL IF SWALLOWED.KEEP OUT OF REACH OF CHILDREN.MAY CAUSE IRRITATION TO EYES.

Chemical Properties

Boiling Pt:B.P. Text:388

Vapor Pres:LT.0.1

Vapor Density:2.14

Spec Gravity:1.13

Evaporation Rate & Reference:LT.1.0

Solubility in Water:SOLUBLE

Appearance and Odor:FLUORESCENT GREEN LIQUID;MILD ODOR.

Percent Volatiles by Volume:NIL.

Stability

Stability Indicator/Materials to Avoid: YES
STRONG OXIDIZERS

Disposal

Waste Disposal Methods: UNDER RCRA, IT IS THE RESPONSIBILITY OF THE USER OF PRODUCTS TO DETERMINE, AT THE TIME OF DISPOSAL, WHETHER PRODUCT MEETS RCRA CRITERIA FOR HAZARDOUS WASTE. THIS IS BECAUSE PRODUCT USES, TRANSFORMATIONS, MIXTURE, PROCESSES, ETC. MAY MAKE MATERIAL HAZARDOUS.

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