

ANTI-FREEZE COOLANT

MSDS Number

BXBKS

National Stock Number

6850-00-181-7933

Product Name

ANTI-FREEZE COOLANT

Manufacturer

STARTEX CHEMICAL INC

Product Identification

Product ID:ANTI-FREEZE COOLANT

MSDS Date:11/01/1991

FSC:6850

NIIN:00-181-7933

MSDS Number: BXBKS

Responsible Party

STARTEX CHEMICAL,INC.

CONROE , TX 77305

US

Emergency Phone: 800-424-9300 (CHEMTREC)

Info Phone: 409-539-6244

Cage: 0YFV5

Contractor

STARTEX CHEMICAL INC

3087

CONROE, TX 77305

US

409-539-6244

Cage: 0YFV5

Ingredients

ETHYLENE GLYCOL (SARA 313) (CERCLA)

CAS: 107-21-1

RTECS: KW2975000

Fraction By Weight: 80-95%

ACGIH TLV: C STEL39PPM,A4,VAP96

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

WATER, DEIONIZED

CAS: 7732-18-5

RTECS: ZC0110000

Fraction By Weight: 1-4%

Hazards

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 4.7-8.5 GM/KG.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:CONTACT MAY CAUSE SLIGHT EYE IRRITATION. SKIN CONTACT MAY SLIGHTLY IRRITATE UPON LONG CONTACT. INHALATION MAY CAUSE CNS EFFECTS & UNCONSCIOUSNESS UPON EXPOSURE TO HIGH CONCENTRATIONS. CHRONIC: PROLONG ED OR REPEATED EXPOSURE MAY CAUSE LIVER& KIDNEY DAMAGE; HIGH CONCENTRATION INGESTED MAY CAUSE REPRODUCTIVE EFFECTS.
Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.
Effects of Overexposure:INHALATION: DROWSINESS, NARCOSIS, UNCONSCIOUSNESS. EYES-IRRITATION. SKIN-IRRITATION. INGESTED-NONE SPECIFIED BY MANUFACTURER.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

First Aid

First Aid:SKIN-WASH EXPOSED AREAS WITH SOAP AND WATER. EYE-FLUSH WITH WATER FOR 15 MINUTES. INGESTION: GIVE LARGE AMOUNTS OF WATER, THEN INDUCE VOMITING. GET MEDICAL ATTENTION. DO NOT MAKE AN UNCONSCIOUS PERSON VOMIT. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. BREATHE-REMOVE TO FRESH AIR, IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. GET MEDICAL ATTENTION. KEEP WARM AND AT REST.

Fire Fighting

Flash Point Method:PMCC
Flash Point:244F,118C
Lower Limits:3.2
Extinguishing Media:WATER SPRAY, DRY CHEMICAL, FOAM, CARBON DIOXIDE. WATER OR FOAM MAY CAUSE FROTHING.
Fire Fighting Procedures:USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS. IF LEAK OR SPILL NOT IGNITED, USE WATER SPRAY TO DISPERSE VAPORS AND PROTECT PERSONS ATTEMPTING TO STOP LEAK.
Unusual Fire/Explosion Hazard:NONE.

Accidental Release

Spill Release Procedures:CONTAIN SPILL IF POSSIBLE. WIPE UP OR ABSORB ON SUITABLE MATERIAL AND SHOVEL UP. AVOID CONTACT WITH EYES.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions:DO NOT STORE IN OPEN OR UNLABELED CONTAINERS.
Other Precautions:MINIMUM FEASIBLE HANDLING TEMPERATURES SHOULD BE MAINTAINED. PERIODS OF EXPOSURE TO HIGH TEMPERATURES SHOULD BE MINIMIZED. 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.
Protective Gloves:RUBBER GLOVES TO AVOID SKIN EXPOSURE.
Eye Protection:CHEMICAL TYPE GOGGLES/FACE SHIELD.
Other Protective Equipment:WEAR INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS NEEDED TO MINIMIZE SKIN EXPOSURE.
Work Hygienic Practices:WASH AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.
Supplemental Safety and Health
WATER CONTAMINATION SHOULD BE AVOIDED.

Chemical Properties

HCC:T6
Boiling Pt:B.P. Text:388F,198C
Vapor Pres:Vapor Density:2.14
Spec Gravity:1.13

pH:11.0
Evaporation Rate & Reference:< 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
AVOID STRONG OXIDIZING CONDITIONS.
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE MAY BE FORMED ON BURNING IN LIMITED AIR SUPPLY.

Disposal

Waste Disposal Methods:DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. PURCHASED FORM IS NOT A HAZARDOUS WASTE. PRODUCT USES MAY RENDER MATERIAL HAZARDOUS. IT IS RESPONSIBILITY OF USER TO DETERMINE , AT TIME OF DISPOSAL, WHETHER WASTE ISHAZARDOUS.

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