

RELIANCE ANTIFREEZE COOLANT LOW SILICATE

MSDS Number

BRBKY

National Stock Number

6850-00F028058

Product Name

RELIANCE ANTIFREEZE COOLANT LOW SILICATE

Manufacturer

DELTA PETROLEUM CO INC

Product Identification

Product ID:RELIANCE ANTIFREEZE COOLANT LOW SILICATE

MSDS Date:01/01/1987

FSC:6850

NIIN:00F028058

MSDS Number: BRBKY

Responsible Party

DELTA PETROLEUM CO INC

9155 BOSTON ST

HENDERSON , CO 80640

US

Emergency Phone: 303-289-4483

Info Phone: 303-289-4483

Cage: 21594

Contractor

DELTA PETROLEUM CO INC

HENDERSON, CO 80640

US

303-289-4483

Cage: 21594

Ingredients

ETHYLENE GLYCOL, GLYCOL

CAS: 107-21-1

RTECS: KW2975000

Fraction By Weight: 90-95%

ACGIH TLV: C 127 MG/CUM

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

SODIUM HYDROXIDE, CAUSTIC SODA, LYE

CAS: 1310-73-2

RTECS: WB4900000

Fraction By Weight: 0.5-1.5%

OSHA PEL2 MG/M3

ACGIH TLV: C 2 MG/M3; 9293

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

Hazards

LD50 LC50 Mixture:ORAL LD50 (RAT): 4.78-8.5 G/KG

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYES: SLIGHT IRRITATION. INHALATION: DROWSINESS, NARCOSIS, & UNCONSCIOUSNESS. INGESTION: HARMFUL OR FATAL.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:SKIN: SLIGHT IRRITATION.

First Aid

First Aid:EYES: FLUSH W/WATER FOR 15 MINS. SKIN: WASH EXPOSED AREAS W/SOAP & WATER. INGESTION: GIVE LARGE QUANTITIES OF WATER, THEN INDUCE VOMITING IMMEDIATELY. DON'T MAKE AN UNCONSCIOUS PERSON VOMIT. NEVER GIV E ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. INHALATION: REMOVE TO FRESH AIR. IF NECESSARY, GIVE CPR. KEEP WARM & AT REST. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Fire Fighting

Flash Point Method:COC

Flash Point:244F

Lower Limits:3.2%

Extinguishing Media:WATER SPRAY, DRY CHEMICAL, ALCOHOL FOAM, CO2. WATER OR FOAM MAY CAUSE FROTHING.

Fire Fighting Procedures:USE WATER TO COOL FIRE EXPOSED CONTAINERS. IF LEAK OR SPILL HASN'T IGNITED, USE WATER SPRAY TO DISPERSE VAPORS & PROVIDE PROTECTION WHEN STOPPING THE LEAK.

Unusual Fire/Explosion Hazard:CUTTING OR WELDING OF EMPTY CONTAINERS MIGHT CAUSE FIRE, EXPLOSION, OR TOXIC FUMES FROM RESIDUES.

Accidental Release

Spill Release Procedures:CONTAIN SPILL IF POSSIBLE. WIPE UP OR ABSORB ON SUITABLE MATERIAL & SHOVEL UP.

Handling

Handling and Storage Precautions:KEEP FROM CHILDREN. DON'T DRINK ANTIFREEZE/SOLUTION. AVOID EYE CONTACT. DON'T STORE IN OPEN/UNLABELED CONTAINERS. AVOID WATER CONTAMINATION.

Other Precautions:MINIMUM FEASIBLE HANDLING TEMPS SHOULD BE MAINTAINED. MISUSE OF EMPTY CONTAINERS CAN BE HAZARDOUS. EMPTY CONTAINERS CAN BE HAZARDOUS IF USED TO STORE TOXIC/FLAMMABLE/REACTIVE MATERIALS. DON'T PRESSURI ZE. KEEP DRUM BUNGS IN PLACE.

Exposure Controls

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

Ventilation:NORMAL

Eye Protection:CHEMICAL TYPE GOGGLES OR FACE SHIELD

Work Hygienic Practices:REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. WASH THOROUGHLY AFTER HANDLING & EXERCISE REASONABLE CLEANLINESS.

Supplemental Safety and Health

Chemical Properties

Boiling Pt:B.P. Text:388F

Vapor Pres:Vapor Density:2.14

Spec Gravity:1.13

pH:11

Solubility in Water:COMPLETE

Appearance and Odor:GREEN LIQUID, MILD ODOR.

Percent Volatiles by Volume:NIL

Stability

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS

Stability Condition to Avoid:HIGH TEMPERATURES, OPEN FLAME

Hazardous Decomposition Products:CO, CO2

Disposal

Waste Disposal Methods:PRODUCT HAS BEEN EVALUATED FOR RCRA CHARACTERISTICS & DOESN'T MEET CRITERIA OF A HAZARDOUS WASTE IF DISCARDED IN ITS PURCHASES FORM. DISPOSE OF IN ACCORDANCE W/LOCAL, STATE, & FEDERAL REGULATIONS.

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