

KMCO INC -- PAR, COOLSANT PLUS -- 6850-00-664-1409

===== Product Identification =====

Product ID:PAR, COOLSANT PLUS

MSDS Date:02/28/1997

FSC:6850

NIIN:00-664-1409

Status Code:A

MSDS Number: CLBTZ

=== Responsible Party ===

Company Name:KMCO INC

Address:16503 RAMSEY ROAD

City:CROSBY

State:TX

ZIP:77533

Country:US

Info Phone Num:281-328-3501

Emergency Phone Num:(800)424-9300

Chemtrec Ind/Phone:(800)424-9300

CAGE:0LAF6

=== Contractor Identification ===

Company Name

:KMCO INC

Address:16503 RAMSEY ROAD

Box:City:CROSBY

State:TX

ZIP:77533

Country:US

Phone:281-328-3501

CAGE:0LAF6

===== Composition/Information on Ingredients =====

Ingred Name:ETHYLENE GLYCOL

CAS:107-21-1

RTECS #:KW2975000

Minumum % Wt:84.

Maxumum % Wt:94.

OSHA PEL:50PPM

ACGIH TLV:10MG/M3 TWA

ACGIH STEL:20MG/M3

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

===== Hazards Identification =====

LD50 LC50 Mixture:ACUTE ORAL LD50 4.0G/KG (RAT)

Health Hazards

Acute and Chronic:INHALATION; VAPORS ARE MILDLY TO MARKEDLY IRRITATING TO THE LUNGS, DEPENDING ON EXPOSURE LEVEL. INGESTION; MAY BE HARMFUL OR FATAL IF SWALLOWED. MAY PRODUCE CENTRAL NERVOUS SYSTEM DEPRESSION AND KIDNEY DAMAGE WHICH MAY BE FATAL. SKIN AND EYES: NO ADVERSE EFFECTS EXPECTED WITH EXPOSURE TO SKIN. BRIEF CONTACT, MAY CAUSE IRRITATION TO THE SKIN. PROLONGED CONTACT AS WITH CLOTHING CONTACTED WITH MATERIAL MAY CAUSE MORE SEVERE IRRITATION AND DISCOMFORT, SEE DATA FOR LOCAL REDNESS AND SWELLING. PRODUCT IS MODERATELY TO SEVERELY IRRITATING TO THE EYES. VAPORS CAN ALSO CAUSE SEVERE EYE IRRITATION. CHRONIC; REPEATED INGESTION MAY CAUSE KIDNEY DAMAGE.

Medical Condition Aggravated by Exposure:PREEXISTING SKIN, EYE AND DISORDERS MAY BE AGGRAVATED BY THIS PRODUCT. IMPAIRED KIDNEY FUNCTION FROM PREEXISTING DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

===== First Aid Measures =====

First Aid

:INHALATION; REMOVE VICTIM TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. GET IMMEDIATE MEDICAL ATTENTION. EYES; FLUSH EYE WITH LARGE AMOUNT OF WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. SKIN: FLUSH SKIN WITH WATER. INGESTION: IF SWALLOWED IMMEDIATELY CONTACT A POISON CONTROL CENTER, EMERGENCY INFORMATION CENTER OR PHYSICIAN.

===== Fire Fighting Measures =====

Flash

Point Method:TCC

Flash Point:>93.3C, 200.F

>200F

Extinguishing Media:USE WATER FOG, ALCOHOL FOAM DRY CHEMICAL OR CARBON DIOXIDE.

Fire Fighting Procedures:MATERIAL WILL NOT BURN UNLESS PREHEATED. DO NOT ENTER CONFINED FIRE SPACE WITHOUT FULL BUNKER GEAR, INCLUDING A POSITIVE PRESSURE SCBA, COOL FIRE EXPOSED CONTAINERS WITH WATER.

===== Accidental Release Measures =====

Spill Release Procedures:USE CAUTIOUS JUDGEMENT WHEN CLEANING UP SPILLS. FOR LAR

GE SPILLS WEAR RESPIRATOR AS APPROPRIATE. SHUT OFF SOURCE OF LEAK IF SAFE TO DO SO, DIKE AND CONTAIN. REMOVE WITH VACCUUM TRUCKS OR PUMP TO STORAG E/SALVAGE VESSELS. SOAK UP RESIDUE WITH WATER TO REMOVE TRACE RESIDUE. FOR SMALL SPILLS, TAKE UP WITH AN ABSORBANT MATERIAL AND DISPOSE OF PROPPERLY.

Neutralizing Agent:COMPLY WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS IN REPORTING SPILL ADN CLEANUP.

===== Handling and Storage =====

Handling

and Storage Precautions:STORE OUT OF DIRRECT SUNLIGHT AND IN A COOL, WELL BENTELATED AREA.

Other Precautions:THIS PRODUCT IS FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE PPROVED RESUIRATOR OR AIR SUPLY MASK IF WORKING ON ANENCLOSED AREA. IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL EXPOSURE LIMITS, USE A NIOSH APPROVED RESPIRATOR TO PREVENT OVERE XPOSURE.

Protective Gloves:YES

Eye Protection:FACE SHIELD.

Other Protective Equipment:APRON SLEEVES AND BOOTS. THIS IS A GENERAL RECOOMENDATIO DUE TO OUR EXPEIIENCE. HOWEVER INDIVIDUAL CINCOMSTNCES COULD REQUIRE ADDITIONAL SAFETY EQUIPMENT TO MINIMIZE POTENTIAL EXPOSURE HAZARDS.

Supplemental Safety and Health

===== Physical/Chemical Properties =====

Boiling Pt:=165.6C, 330.F

B.P. Text:330-340F

Melt/Freeze Pt: