FSC:9150 NIIN:00-231-6689 MSDS Number: CCBYZ

MSDS Date:01/01/1996

=== Responsible Party ===

Company Name: VELSICOL CHEMICAL CORP Address: 10400 W HIGGINS SUITE 600

City:ROSEMONT

State:IL

ZIP:60018-3713 Country:US

Info Phone Num:708-298-9000 708-298-9014(FAX)

Emergency Phone Num:708-298-

9000

Preparer's Name: N.R. NETZEL

CAGE:VELSI

=== Contractor Identification ===

Company Name: VELSICOL CHEMICAL CORPORATION

Address:10400 W HIGGINS ROAD

Box:City:ROSEMONT

State:IL ZIP:60018 Country:US

Phone:847-298-9000

CAGE:0Z6C4

Company Name: VELSICOL CHEMICAL CORPORATION

CAGE:VELSI

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

Ingred Name: PETROLEUM SULFONIC ACID SALT

CAS:68608-26-4 Fraction by Wt: 5%

Other REC Limits: NONE RECOMMENDED

Ingred Name: DIETHYLENE GLYCOL MONO-N-H

EXYL-2-ETHER CAS:112-59-4 RTECS #:KL2625000 Fraction by Wt: 2% Other REC Limits: NONE RECOMMENDED ========== Hazards Identification =============== LD50 LC50 Mixture:TLV FOR OIL MIST IS 5MG/M3 Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic:EYES:MAY CAUSE IRRITATION.SKIN:LOW DERMAL TOXICITY.MAY CAUSE IRRITATION.INGEST:LOW ORAL TOXICITY.MAY CAUSE GI TRACT IRRITATION.INHAL:MAY CAUSE RESPIRATORY IRRITATION. Explanation of Carcinogenicity: NONE OF THE INGREDIENTS IN THIS PRODUCT IS LISTED BY NTP, IARC OR OSHA AS A CARCINOGEN. Effects of Overexposure:INGEST:VOMITING. Medical Cond Aggravated by Exposure: NONE SPECIFIED BY MANUFACTURER. First Aid:SKIN:REMOVE CONTAMINATED CLOTHING:WASH WITH SOAP AND WATER.EYES:FLUSH WITH WATER FOR 15 MINUTES.CALL PHYSICIAN IF IRRITATION DEVELOPS.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED.INGEST:DO NOT INDUCE VOMITING.GET PROMPT QUALIFIED MEDICAL ATTENTION.NOTE TO PHYSICIAN:TREAT SYMPTOMATICALLY. ============ Fire Fighting Measures ========================= Flash Point Method:COC Flash Point:275F,135C Extinguishing Media:WATER FOG, DRY CHEMICAL, CARBON DIOXIDE, FOAM. AVOID SPREADING BURNING LIQUID WITH WATER STREAM. Fire Fighting Procedures: WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A **FULL FACED** SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY. Unusual Fire/Explosion Hazard: COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS. ======== Accidental Release Measures ============ Spill Release Procedures: SOAK UP WITH NON-COMBUSTIBLE INERT

Spill Release Procedures:SOAK UP WITH NON-COMBUSTIBLE INERT ADSORBANT(EG.CLAY);PLACE COLLECTED MATERIAL IN AN APPROPRIATE CONTAINER FOR DISPOSAL;CLEAN SPILL AREA TO REMOVE SLIPPERINESS.

====== Handli

ng and Storage ===========
Handling and Storage Precautions:STORE IN A COOL, DRY PLACE WITH ADEQUATE VENTILATION. KEEP AWAY FROM HEAT, OPEN FLAMES AND STRONG OXIDANTS. KEEP CONTAINERS TIGHTLY CLOSED. Other Precautions:AVOID EYE AND SKIN CONTACT. DO NOT BREATHE VAPORS.
====== Exposure Controls/Personal Protection ========
Respiratory Protection:NONE NORMALLY REQUIRED. NIOSH/MSHA-APPROVED RESPIRATOR OR SCBA AS APPROPIATE FOR EXPOSURE OF CONCERN. Ventilation
:USE GENERAL DILUTION VENTILATION. Protective Gloves:IMPERMEABLE GLOVES.
Eye Protection:CHEMICAL SPLASH GOGGLES Other Protective Equipment:PROTECTIVE CLOTHING,AS NEEDED.PROVIDE A LOCAL EYE WASH STATION AND SAFETY SHOWER.
Work Hygienic Practices:WASH HANDS.SEPERATE WORK CLOTHES FROM STREET CLOTHES.LAUNDER WORK CLOTHES BEFORE REUSE.KEEP FOOD OUT OF THE WORK AREA.
Supplemental Safety and Health NONE
========= Physical/Chemical Properties ==========
HCC:V6
Boiling Pt -B P Text://30F 221C

HCC:V6
Boiling Pt
:B.P. Text:430F,221C
Vapor Pres:1
Spec Gravity: