

TRUFLEX RUBBER PRODUCTS CO -- CHEMICAL VULCANIZING FLUID,21 -- 2640-00-242-3467
===== Product Identification =====

Product ID:CHEMICAL VULCANIZING FLUID,21
MSDS Date:01/13/1992
FSC:2640
NIIN:00-242-3467
MSDS Number: BHXMK
=== Responsible Party ===
Company Name:TRUFLEX RUBBER PRODUCTS CO
Address:1667 N MAIN ST TERMINAL ANNEX
City:LOS ANGELES
State:CA
ZIP:90012
Country:US
Info Phone Num:213-224-63
00

Emergency Phone Num:213-224-6300
Preparer's Name:EBERHARD MEYER
CAGE:28954
=== Contractor Identification ===
Company Name:TRUFLEX/PANG RUBBER PRODUCTS CO
Address:1667 N MAIN ST
Box:City:LOS ANGELES
State:CA
ZIP:90012
Country:US
Phone:213-224-6300
CAGE:28954

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

Ingred Name:TRICHLOROETHYLENE (SARA III)
CAS:79-01-6
RTECS #:KX4550000
Fraction by Wt: 90 - 97%
Other REC Limits:200 PPM (STEL)
OSHA PEL:100 PPM/100 STEL
ACGIH TLV:50

PPM/100,A5STEL;93
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:NATURAL RUBBER AND ACCELERATORS
Fraction by Wt: 3 - 6%
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:TLV IS 50 PPM.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:AFFECTS CENTRAL NERVOUS SYSTEM.
PROLONGED EXPOSURE MAY RESULT IN LIVER AND KIDNEY DAMAGE.

E
Explanation of Carcinogenicity:NONE OF THE CHEMICALS IN THIS PRODUCT IS
LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.

Effects of Overexposure:EYES:PAIN,IRRITATION.
SKIN:IRRITATION,DERMATITIS.
INHALATION:IRRITATION,DIZZINESS,NAUSEA,LIGHTHEADEDNESS,HEADACHE,LOS
S OF EQUILIBRIUM,UNCONSCIOUSNESS AND EVEN DEATH. INGESTION:LOW
ACCUTE TOXICITY.

Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF
RESPIRATORY DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:INHALATION: REMOVE SUBJECT TO FRESH AIR.GIVE OXYGEN/CPR IF
NEEDED. EYE: FLUSH WITH PLENTY OF WATER FOR 15 MINUTES. GET
IMMEDIATE MEDICAL ATTENTION. SKIN: WASH WITH SOAP AND WATER.REMOVE
CONTAMINATED C LOTHING. INGESTION: DO NOT INDUCE VOMITING.IF
CONSCIOUS, DRINK LARGE QUANTITIES OF WATER. GET IMMEDIATE MEDICAL
ATTENTION.

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

Flash Point:NONE

L

Lower Limits:12.5

Upper Limits:90

Extinguishing Media:WATER, DRY CHEMICAL OR CARBON DIOXIDE

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:CONCENTRATED VAPORS CAN BE IGNITED WITH A HIGH ENERGY SPARK, FLAME OR OTHER HIGH INTENSITY HEAT SOURCE. MAY FORM HYDROGEN CHLORIDE AND TRACES OF PHOSGENE.

===== Accidental Release

Measures =====

Spill Release Procedures:WIPE OR SOAK UP SMALL SPILLS WITH PAPER TOWEL OR INERT ABSORBENT. PLACE IN DISPOSAL CONTAINER. FLUSH AREA WITH WATER.

Neutralizing Agent:NONE APPLICABLE FOR THIS MATERIAL

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

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED AREA. PROTECT FROM PHYSICAL DAMAGE, HEAT AND IGNITION SOURCES. KEEP CONTAINERS CLOSED.

Other Precautions:ALUMINUM IS NOT AN ACCEPTABLE MATERIAL FOR TANKS, FITTINGS, MIXERS OR PUMPS. AVOID BREATHING VAPORS.

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

Respiratory Protection:NONE NORMALLY REQUIRED. USE NIOSH/MSHA APPROVED RESPIRATOR WITH ORGANIC VAPORS CARTRIDGE FOR EMERGENCIES.

Ventilation:MECHANICAL (GENERAL) VENTILATION IS REQUIRED. LOCAL EXHAUST MAY BE REQUIRED IF WORK AREA IS NOT VENTED.

Protective Gloves:NEOPRENE OR VITON.

Eye Protection:CHEMICAL SAFETY GOGGLES

Other Protective

Equipment:SAFETY SHOWER AND EYE BATH. OTHER EQUIPMENT AS REQUIRED TO MINIMIZE EXPOSURE FROM PROLONGED OR REPEATED CONTACT.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

FORMULA CHANGED. FOR PREVIOUS FORMULATION, SEE PNI A UNDER THE SAME NSN.

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

HCC:T4

Boiling Pt:B.P. Text:188F,87C

Melt/Freeze Pt:M.P/F.P T

ext:-86F,-66C

Vapor Pres:135 @ 77F

Vapor Density:4.54

Spec Gravity:1.465

Evaporation Rate & Reference:0.28 (ETHYL ETHER = 1)

Solubility in Water:0.11%

Appearance and Odor:MILKY LIQUID WITH ETHER-LIKE ODOR.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

CAUSTIC SODA, CAUSTIC POTASH, OXIDIZING MATERIALS. (SHOCK SENSITIVE EXPLOSIVES MAY BE FORMED).

Stability Condition to Avoid:HOT GLOWING SURFACES, OPEN FLAMES OR ELECTRIC

ARCS

Hazardous Decomposition Products:HYDROGEN CHLORIDE, TRACES OF PHOSGENE.

===== Disposal Considerations =====

Waste Disposal Methods:CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER.

DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America i

n no manner whatsoever,

expressly or implied, warrants this information to be accurate and

disclaims all liability for its use. Any person utilizing this

document should seek competent professional advice to verify and

assume responsibility for the suitability of this information to their

particular situation.