

OAKLAND CORPORATION -- VIBRA-TITE INDUSTRIAL GRADE -- 8030-00-163-5792

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

Product ID:VIBRA-TITE INDUSTRIAL GRADE

MSDS Date:08/21/1986

FSC:8030

NIIN:00-163-5792

MSDS Number: BDDRG

=== Responsible Party ===

Company Name:OAKLAND CORPORATION

Address:1893 BARRETT RD

Box:1019

City:TROY

State:MI

ZIP:48084-5311

Country:US

Info Phone Num:313-362-1209

Emergency Phone Num:313

-362-1209

Preparer's Name:ANDY SOKOL

CAGE:KO374

=== Contractor Identification ===

Company Name:OAKLAND CORP

Address:1893 BARRETT RD

Box:1019

City:TROY

State:MI

ZIP:48084-5311

Country:US

CAGE:3S905

Company Name:OAKLAND CORPORATION

Address:1893 BARRETT RD

Box:1019

City:TROY

State:MI

ZIP:48084-5311

Country:US

Phone:313-362-1209

CAGE:KO374

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

Ingred Name:METHYL CHLOROFORM (1,1,1-TRICHLOROETHANE) (SARA III)

CAS:71-55-6

RTECS #:KJ2975

000

Fraction by Wt: 78.13%

Other REC Limits:NONE SPECIFIED

OSHA PEL:350 PPM/450 STEL

ACGIH TLV:350 PPM/450STEL;9192

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ozone Depleting Chemical:1

Ingred Name:NONE HAZARDOUS INGREDIENT; STATED BY MANUFACTURER. TRADE  
SECRET PROD. NO. 1211-04

Fraction by Wt: 12.03%

Other REC Limits:NONE SPECIFIED

Ingred Name:NONE HAZARDOUS INGREDIENT; STATED BY MANUFACTURER. TRADE  
SECRET PROD. NO. 1211-05.

Fraction by Wt: 9.78%

Other REC Limits:NONE SPECIFIED

=====

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

LD50 LC50 Mixture:ORAL LD50 (RAT) = 10300 MG/KG

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

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

Health Hazards Acute and Chronic:ACUTE: MAY CAUSE EYE & SKIN

IRRITATION. MAY CAUSE RESPIRATORY TRACT IRRITATION. CENTRAL NERVOUS  
SYSTEM DEPRESSANT. LOSS OF CONSCIOUSNESS AND EVEN DEATH CAN OCCUR  
AT HIGH LEVELS OF EXPOSURE.

Explanation of Carcinogenicity:NOT LISTED AS

A CARCINOGEN BY NTP, IARC

OR OSHA

Effects of Overexposure:INCOORDINATION AND IMPAIRED JUDGMENT MAY OCCUR  
AT VAPOR EXPOSURES FROM 500-1000 PPM. DIZZINESS, DROWSINESS, AND  
GENERAL ANESTHETIC EFFECTS MAY OCCUR IN RANGES OF 1000 PPM AND  
HIGHER.

Medical Cond Aggravated by Exposure:INCREASED SENSITIVITY TO ADRENALIN  
MAY BE CAUSED BY OVER EXPOSURE.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE

CPR.

IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN. EYE:  
FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. GET  
MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH  
SOAP AND WATER PROMPTLY. INGESTION: DO NOT INDUCE VOMITING. GIVE  
MILK OR USP MINERAL OIL. GET IMMEDIATE MEDICAL ATTENTION.

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

Lower Limits:7.5

Upper Limits:15.0

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

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A  
FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL  
FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:CONCENTRATED VAPORS CAN BE IGNITED BY  
HIGH INTENSITY IGNITION SOURCES. BURNING YIELDS HYDROGEN CHLORIDE  
GAS AND SMALL QUANTITIES OF PHOSGENE.

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

Spill Release Procedures:SMALL SPI

LL: WIPE UP WITH RAGS OR TOWELS.

LARGE SPILLS: WEAR NIOSH APPROVED RESPIRATOR. VENTILATE AREA. DIKE  
TO RETAIN FLUID. PUMP UP FREE LIQUID. RESIDUE WILL EVAPORATE  
QUICKLY. DO NOT FLUSH TO SEWER OR WATERWAY.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL-VENTILATED  
LOCATION, AWAY FROM ANY AREA WHERE THE FIRE HAZARD MAY BE ACUTE.  
KEEP CONTAINERS CLOSED WHEN NOT IN USE.

Other

Precautions:DO NOT USE WITH ALUMINUM. READ AND FOLLOW DIRECTIONS  
ON LABEL. DO NOT REUSE CONTAINERS.

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

Respiratory Protection:IN HIGH VAPOR AREA, USE NIOSH/MSHA APPROVED  
RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE. USE SELF-CONTAINED  
BREATHING APPARATUS IF VAPOR LEVELS EXCEED 1000 PPM.

Ventilation:LOCAL EXHAUST RECOMMENDED TO CONTROL VAPORS BELOW 50% OF  
TLV.

Protective Gloves:NEOPRENE, PVA GLOVES RECOMMENDED.

Eye Protection

Protection:USE CHEMICAL SAFETY GOGGLES.

Other Protective Equipment:APRON AND WORK CLOTHING TO MINIMIZE EXPOSURE. EYE WASH STATION & SAFETY SHOWER RECOMMENDED.

Work Hygienic Practices:WASH THOROUGHLY AFTER USE AND BEFORE EATING, SMOKING OR USING TOILET FACILITIES. DO NOT BREATHE VAPORS OR MIST.

Supplemental Safety and Health  
DO NOT WEAR CONTACT LENSES.

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

HCC:T4

Boiling Pt:B.P. Text:129F,54C

Vapor Pres:100

Vapor Density:4.6

Evaporation Rate & Reference:0.4 (ETHER=1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:RED/PINK WITH CHARACTERISTIC ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG ALKALIES, OXIDIZERS AND REACTIVE METALS.

Stability Condition to Avoid:OPEN FLAME, ELECTRIC ARCS, HOT SURFACES.

Hazardous Decomposition Products:WHEN INVOLVED IN FIRE,  
1,1,1-TRICHLOROETHANE EMITS HIGHLY TOXIC AND IRRITATING HYDROGEN  
CHLORIDE  
AND PHOSGENE FUMES.

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

Waste Disposal Methods:DISPOSE OF I/A/W FEDERAL, STATE & LOCAL  
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 in 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.