

REMA TIP TOP/NORTH AMERICA INC (FORMER REMACO INC) -- COLD VULCANIZING FLUID,203N --  
5420-00-588-4897

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

Product ID:COLD VULCANIZING FLUID,203N

MSDS Date:06/18/1991

FSC:5420

NIIN:00-588-4897

MSDS Number: BQSFQ

=== Responsible Party ===

Company Name:REMA TIP TOP/NORTH AMERICA INC (FORMER REMACO INC)

Address:200 PARIS AVENUE

City:NORTHVALE

State:NJ

ZIP:07647

Country:U

S

Info Phone Num:800-225-7362/800-334-7362

Emergency Phone Num:800-225-7362/800-424-9300(CHEMTREC)

CAGE:GO624

=== Contractor Identification ===

Company Name:REMA TIP TOP/NORTH AMERICA INC

Address:200 PARIS AVE

City:NORTHVALE

State:NJ

ZIP:07647-5000

Country:US

Phone:800-334-7362/800-225-7362

CAGE:GO624

Company Name:REMACO INC REMATIP TOP/NORTH AMERICA INC

Address:200 PARIS AVE

Box:City:NORTHVALE

State:NJ

ZIP:07647-2205

Country:US

Phone:201-768-8100/800-424-9300(CHEMTREC)

CAGE:03795

=====

Composition/Information on Ingredients =====

Ingred Name:TRICHLOROETHYLENE (SARA III)  
CAS:79-01-6  
RTECS #:KX4550000  
Other REC Limits:NONE RECOMMENDED  
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:NON HAZARDOUS INGREDIENTS  
Fraction by Wt: BALANCE  
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:LD 50 ORAL RAT IS 4900-7000 MG/KG  
Routes of Entry: Inh  
Absorption: YES Skin: YES Ingestion: NO  
Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO  
Health Hazards Acute and Chronic: ACUTE: EYE AND SKIN IRRITATION,  
CENTRAL NERVOUS SYSTEM DEPRESSION, UNCONSCIOUSNESS AND DEATH.  
INGESTION MAY CAUSE GASTROINTESTINAL IRRITATION. ASPIRATION INTO  
LUNGS AFTER INGESTION MAY CAUSE CHEMICAL PNEUMONITIS WHICH MAY BE  
FATAL. CHRONIC: DERMATITIS, LIVER AND KIDNEY DAMAGE.  
Explanation of Carcinogenicity: NONE OF THE INGREDIENTS IN THIS PRODUCT  
IS LISTED  
BY NTP, IARC OR OSHA AS A CARCINOGEN.  
Effects of Overexposure: EYES/SKIN: DISCOMFORT, PAIN, IRRITATION.  
INHALATION: RESPIRATORY TRACT IRRITATION, DIZZINESS, NAUSEA,  
HEADACHE, LOSS OF COORDINATION AND EQUILIBRIUM, UNCONSCIOUSNESS,  
DEATH. INGESTION: MOUTH AND GASTROINTESTINAL IRRITATION, ALSO SAME  
SYMPTOMS AS INHALATION.  
Medical Cond Aggravated by Exposure: INDIVIDUALS WITH A HISTORY OF SKIN,  
RESPIRATORY ILLNESSES AND LIVER AND KIDNEY DISEASES.

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

First Aid: EYES: FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. IF  
IRRITATION PERSISTS, SEE DOCTOR. SKIN: WASH WITH SOAP AND WATER  
WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. INHALATION: REMOVE  
VICTIM TO FRESH AIR. GIVE OXYGEN/CPR IF NEEDED. SEE DOCTOR.  
INGESTION: DRINK PLENTY OF WATER IF CONSCIOUS. DO NOT INDUCE  
VOMITING. SEE DOCTOR IMMEDIATELY. NOTHING BY MOUTH IF UNCONSCIOUS.

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

=====

Flash Point Method:TCC

Flash Point:NONE

Lower Limits:8

Upper Limits:52

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

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:VAPORS (8 TO 52% BY VOLUME) CAN IGNITE IN AIR WITH HIGH ENERGY SPARKS. COMBUSTION CAN PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS SUCH AS HCL AND PHOSGENE.

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

Spill Release Procedures:REMOVE PERSONNEL. ELIMINATE IGNITION SOURCES. VENTILATE AREA. WEAR PROTECTIVE CLOTHING AND EQUIPMENT. ABSORB IN INERT MATERIAL AND PLACE IN APPROPRIATE DISPOSAL CONTAINER AND COVER. DO NOT FLUSH TO SEW ER.

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

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

Other Precautions:AVOID EYE AND SKIN CONTACT. DO NOT BREATHE VAPORS. VAPORS ARE HEAVIER THAN AIR AND WILL COLLECT IN LOW AREAS. DO NOT ENTER THESE AREAS WITHOUT PROPER PROTECTIVE EQUIPMENT AND AN OBSERVER FOR ASSISTANC E.

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

Respiratory Protection:IF TLV IS EXCEEDED OR IN CASE OF A SPILL, WEAR NIOSH APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDG E. USE SCBA OR AIRLINE RESPIRATOR WITH AUXILIARY SCBA IN PRESSURE DEMAND MODE FOR WORK PERFORMED IN STORAGE VESSELS OR CONFINED AREAS.

Ventilation:MECHANICAL (GENERAL) VENTILATION OR LOCAL EXHAUST VENTILATION AS APPROPRIATE TO KEEP EXPOSURE LEVELS BELOW PEL.

Protective Gloves:VITON OR SILVER SHIELD GLOVES.

Eye Protection:SPLASHPROOF GOGGLES.

Other Protective Equipment:PROTECTIVE CLOTHING AS REQUIRED TO MINIMIZE EXPOSURE FROM PROLONGED OR REPEATED CONTACT. EYE BATH AND SAFETY

SHOWER.

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

Supplemental Safety and Health

VULCANIZING LIQUID HAS IRRITATING ODOR AT HIGH TEMPERATURES. NOTE TO PHYSICIAN: NEVER ADMINISTER ADRENALIN FOLLOWING TRICHLOROETHYLENE OVEREXPOSURE. INCREASED SENSITIVITY OF THE HEART TO ADRENALINE MAY BE CAUSED BY OVEREXPOSURE TO TRICHLOROETHYLENE.

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

HCC:  
T4  
Boiling Pt:B.P. Text:188F,87C  
Melt/Freeze Pt:M.P/F.P Text:-124F,-86C  
Vapor Pres:57.8 @ 68F  
Vapor Density:4.6  
Spec Gravity:1.45  
Evaporation Rate & Reference:0.28 (ETHYL ETHER = 1)  
Solubility in Water:0.11%  
Appearance and Odor:CLEAR, MOBILE LIQUID WITH MILDLY SWEET, ETHER-LIKE ODOR.

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

Stability Indicator/Materials to Avoid:YES  
STRONG ALKALIES SUCH AS CAUSTIC SODA AND POTASH, AND OXIDIZERS.  
Stability Condition to Avoid:H  
HIGH HEAT, OPEN FLAMES, HIGH ENERGY  
SPARKS, WELDING ARCS.  
Hazardous Decomposition Products:CARBON MONOXIDE, HYDROGEN CHLORIDE, PHOSGENE.

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

Waste Disposal Methods:CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER.  
DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. CONTAMINATED ABSORBENT MUST BE DISPOSED OF IN A PERMITTED WASTE MANAGEMENT FACILITY.

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.