

RHO-CHEM CORP -- RHO-TRON TF TRICLOROTRIFLUOROETHANE -- 6850-00-984-5853

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Product Identification  
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Product ID:RHO-TRON TF TRICLOROTRIFLUOROETHANE

MSDS Date:08/12/1986

FSC:6850

NIIN:00-984-5853

MSDS Number: BPGCT

=== Responsible Party ===

Company Name:RHO-CHEM CORP

Address:425 ISIS AVE

Box:6021

City:INGELEWOOD

State:CA

ZIP:90301-2009

Country:US

Info Phone Num:213-776-6233

Emergency Phone N

um:213-776-6233

CAGE:21414

=== Contractor Identification ===

Company Name:RHO-CHEM CORP

Address:425 ISIS AVE

Box:6021

City:INGELEWOOD

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Phone:213-776-6233

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Composition/Information on Ingredients  
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Ingred Name:1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON 113) (SARA  
III)

CAS:76-13-1

RTECS #:KJ4000000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1000PPM/1250STEL

ACGIH TLV:1000PPM/1250STEL9293

Ozone Depl

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 43000 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: VAPORS MAY BE IRRITATING TO NOSE, THROAT, AND RESPIRATORY TRACT IF INHALED. INHALATION OF LARGE AMOUNTS OF VAPOR MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION. LIQUID IS IRRITATING TO SKIN AND EYES ON CONTACT. SWALLOWING MAY RESULT IN GI TRACT IRRITATION. CHRONIC: DERMATITIS.  
Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.  
Effects of Overexposure:INHALED: COUGHING, SNEEZING, WHEEZING, SHORTNESS OF BREATH, DIZZINESS, DROWSINESS, HEADACHE, NAUSEA. EYES: REDNESS, BLURRED VISION, ITCHING, DISCOMFORT. SKIN: RASH, ITCHING, DRY SKIN, BURNING SENSATION. INGESTED: NAUSEA, VOMITING, DIARRHEA.  
Medical  
Conditions Aggravated by Exposure:PRE-EXISTING SKIN, EYE, AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE.

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

First Aid:INHALED: REMOVE PERSON TO FRESH AIR. GIVE OXYGEN IF BREATHING IS DIFFICULT; ARTIFICIAL RESPIRATION IF BREATHING IS STOPPED. EYES: FLUSH WITH LOTS OF WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. SEE DOCTOR. SKIN: REMOVE CONTAMINATED CLOTHES. FLUSH WITH WATER THEN WASH WITH SOAP AND WATER. INGESTED: IF CONSCIOUS, GIVE 1-2 GLASSES OF WATER THEN INDUCE VOMITING. GET IMMEDIATE MEDICAL ATTENTION.

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

Flash Point:NONE  
Extinguishing Media:MEDIA APPROPRIATE FOR SURROUNDING FIRE.  
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND BUNKER GEAR. COOL FIRE EXPOSED CONTAINERS WITH WATER.  
Unusual Fire/Explosion Hazard:CONTAINERS MAY RUPTURE IF EXPOSED TO FLAME OR FIRE.

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===== A

Accidental Release Measures =====

Spill Release Procedures:EVACUATE AREA, VENTILATE AREA. CONTAIN SPILL.  
WEAR PROPER PROTECTIVE CLOTHING. ABSORB WITH INERT MATERIAL AND  
PLACE IN A CONTAINER FOR LATER DISPOSAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN A COOL PLACE, BUNG UP AND  
TIGHTLY CLOSED.

Other Precautions:AVOID BREATHING VAPORS.

===== E

Exposure Controls/Personal Protection =====

Respiratory Protection:IF EXPOSURE EXCEEDS REGULATORY LIMITS; USE  
NIOSH/MSHA APPROVED RESPIRATOR.

Ventilation:USE ADEQUATE MECHANICAL VENTILATION TO MAINTAIN EXPOSURE  
BELOW REGULATORY LIMITS.

Protective Gloves:RUBBER (REPEATED EXPOSURE)

Eye Protection:SAFETY GLASSES

Other Protective Equipment:APRON, BOOTS, APRON OR FULL BODY SUIT WORN  
TO TO PREVENT PROLONGED OR REPEATED CONTACT.

Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE  
EATING,

DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

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

HCC:N1

Boiling Pt:B.P. Text:118F,48C

Vapor Pres:5.5 PSIA

Vapor Density:6.5(AIR=1)

Spec Gravity:1.58

Evaporation Rate & Reference:0.5 (ETHER=1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:CLEAR, COLORLESS LIQUID; FAINT ETHER-LIKE ODOR

Percent Volatiles by Volume:100

===== Stability and Reactiv

ity Data =====

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS, BARIUM, LITHIUM, MAGNESIUM, AND TITANIUM,  
SODIUM, POTASSIUM, CALCIUM, ALUMINUM, AND ZINC.

Stability Condition to Avoid: HEAT, FLAME, AND CONTACT WITH STRONG  
OXIDIZING AGENTS

Hazardous Decomposition Products: HALOGENS, HALOGEN ACIDS, AND CARBONYL  
HALIDES SUCH AS PHOGENE.

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

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH  
LOCAL, STATE AND

FEDERAL REGULATIONS. MANUFACTURER SAYS MATERIAL IS EPA WASTE F002.

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