

## **A-103 CONTACT CLEANER & DEGREASER**

### **MSDS Number**

CLRGR

### **National Stock Number**

-

### **Product Name**

A-103 CONTACT CLEANER & DEGREASER

### **Manufacturer**

TIFCO INDUSTRIES

### **Product Identification**

Product ID:A-103 CONTACT CLEANER & DEGREASER

MSDS Date:08/22/1988

FSC:NIIN:Submitter:N EN

Status Code:A

MSDS Number: CLRGR

### **Responsible Party**

TIFCO INDUSTRIES

HOUSTON , TX 77240-0277

US

Emergency Phone: 800-255-4564

Info Phone: 216-467-4195/800-255-4564

Cage: 0BPN7

### **Contractor**

TIFCO INDUSTRIES

40277

HOUSTON, TX 77240-0277

US

216-469-4800/800-255-4564

Cage: 0BPN7

### **Ingredients**

PROPANE

CAS: 74-98-6

RTECS: TX2275000

OSHA PEL1000 PPM

ACGIH TLV: ASPHYXIA NT

1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE

CAS: 76-13-1

RTECS: KJ4000000

OSHA PEL1000 PPM

ACGIH TLV: 1000 PPM

### **Hazards**

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYES ARE LISTED AS ROUTE OF ENTRY.  
DERMATITIS & NERVOUS SYSTEM EFFECTS ARE POSSIBLE IF IMPROPERLY  
USED. FOLLOW GOOD CHEMICAL HYGIENE PRACTICES TO AVOID THESE  
HAZARDS. EYE DISCOMFORT OR BURNING. DEFATT ING OR DRYNESS ON SKIN  
CONTACT. INHALATION MAY INDUCE DISORIENTATION, LACK OF  
COORDINATION, EXCITATION, HEADACHE, NAUSEA OR SHORTNESS OF BREATH.  
GI TRACT IRRITANT. CHLOROFLUOROCARBONS (CFCS) HAVE PROD UCED  
SENSITIZATION OF THE MYOCARDIUM TO EPINEPHRINE IN LAB ANIMALS & MAY  
HAVE A SIMILAR EFFECT IN HUMANS. THE USE OF EPINEPHRINE MAY BE  
CONTR-INDICATED EXCEPT FOR LIFE SUSTAINING USES IN HUMANS ACUTEL Y  
OR CHRONICALLY EXPOSED TO CFCS .  
Effects of Overexposure:REFER TO HEALTH HAZARDS ACUTE AND CHRONIC .  
Medical Cond Aggravated by Exposure:NONE KNOWN.

## First Aid

First Aid:INGESTION: DO NOT INDUCE VOMITING, CALL DOCTOR IMMEDIATELY.  
EYES: IRRIGATE 15 MINUTES; GET MEDICAL ATTENTION. INHALATION: GET  
FRESH AIR. SKIN: WASH WELL WITH SOAP AND WATER. IF IRRITATION  
PERSISTS, C ONSULT PHYSICIAN.

## Fire Fighting

Flash Point:NONE TO BOILING  
Lower Limits:N.D.  
Upper Limits:N.D.  
Extinguishing Media:CARBON DIOXIDE, FOAM.  
Fire Fighting Procedures:WEAR NIOSH-APPROVED SELF-CONTAINED BREATHING  
APPARATUS AND FULL PROTECTIVE EQUIPMENT . KEEP EXPOSED CONTAINERS  
COOL WITH WATERSPRAY TO PREVENT CONTAINER FAILURE. PREVENT RUNOFF  
FROM ENTERING SEW ERS AND PUBLIC WATERCOURSES.  
Unusual Fire/Explosion Hazard:AEROSOL CONTAINER ( PRESSURIZED). THERMAL  
DECOMPOSITION PRODUCTS MAY INCLUDE FLUORIDES, CHLORIDES AND  
PHOSGENE .

## Accidental Release

Spill Release Procedures:DIKE SPILL TO PREVENT SPREADING. DO NOT ALLOW  
TO ENTER SEWERS, PUBLIC WATER COURSES OR SOIL. PUT IN SUITABLE  
CONTAINER. RESIDUE WILL EVAPORATE RAPIDLY.

## Handling

Handling and Storage Precautions:STORE IN COOL DRY LOCATION AWAY FROM  
DIRECT SUNLIGHT. KEEP OUT OF THE REACH OF CHILDREN. AVOID SKIN AND  
EYE CONTACT. USE IN WELL VENTILATED AREA.  
Other Precautions:FOLLOW LABEL DIRECTIONS CAREFULLY. NO SMOKING IN AREA  
OF USE. DO NOT USE IN THE VICINITY OF ARC WELDING, OPEN FLAMES OR  
HOT SURFACES. HEAT AND/OR UV RADIATION MAY CAUSE THE FORMATION OF  
FLUORIDES, CHL ORIDES AND PHOSGENE .

## Exposure Controls

Respiratory Protection:A NIOSH APPROVED RESPIRATOR APPROPRIATE FOR THE  
EXPOSURE OF CONCERN . NOT NORMALLY NECESSARY. USE WITH ADEQUATE  
VENTILATION.  
Ventilation:USE WITH ADEQUATE VENTILATION. LOCAL EXHAUST: ACCEPTABLE.  
SPECIAL: NONE. MECHANICAL (GENERAL): YES. OTHER: NONE.  
Protective Gloves:IF SKIN CONTACT POSSIBLE (BUTYL RUBBER).  
Eye Protection:ANSI APPROVED SAFETY GLASSES . AS NEEDED (MFR).  
Other Protective Equipment:EYEWASH AND DELUGE SHOWER MEETING ANSI  
DESIGN CRITERIA . NOT NORMALLY NECESSARY (MFR).  
Work Hygienic Practices:NORMAL. FOLLOW GOOD CHEMICAL HYGIENE PRACTICES  
TO AVOID HAZARDS.  
Supplemental Safety and Health  
7623, 7673, 9452: SPEEDI-KLEEN.

## Chemical Properties

Boiling Pt: =47.6C, 117.6F  
B.P. Text:CONCENTRATE  
Melt/Freeze Pt:M.P/F.P Text:N.D.

Vapor Pres:334 (CONCENTRATE)  
Vapor Density:N.D.  
Spec Gravity:1.56 CONCENTRATE  
Evaporation Rate & Reference:4.5 (ACETONE = 10)  
Solubility in Water:SLIGHT  
Appearance and Odor:CLEAR, COLORLESS. ODOR: NONE SPECIFIED BY MANUFACTURER .

## Stability

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZERS, ALKALI METALS, ALKALINE EARTH METALS (AL, ZN, BE, ETC.).  
Stability Condition to Avoid:EXTREME HEAT.  
Hazardous Decomposition Products:FLUORIDES, CHLORIDES AND PHOSGENE .  
CO, CO\*2, HCL, HF, CARBONYL HALIDES.

## Disposal

Waste Disposal Methods:CONSULT LOCAL, STATE AND FEDERAL REGULATIONS.  
WRAP EMPTY CONTAINER AND DISPOSE IN TRASH IF ALLOWED BY RELEVANT STATUTES. DO NOT PUNCTURE OR INCINERATE CONTAINER.

## Other Information

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

SARA Title III Information:1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (SYN. FREON 113) MAY REQUIRE REPORTING UNDER SARA TITLE III, SECTION 313 IF USED OVER THRESHHOLD QUANTITIES. REFERENCE 40 CFR PART 372.  
State Regulatory Information:ANY SUBSTANCE LISTED AS HAZARDOUS BY THE STATES OF CALIFORNIA, MASSACHUSETTS, NEW JERSEY AND PENNSYLVANIA ARE DESCRIBED IN THE INGREDIENTS SECTION IF KNOWN PRESENT IN REGULATED CONCENTRATIONS: NONE NO TED.