

## KAR PRODUCTS INC./DISTRIBUTOR -- BRAKE CLEAN, 69970 -- 6850-00N028173

## ===== Product Identification =====

Product ID:BRAKE CLEAN, 69970  
MSDS Date:11/12/1987  
FSC:6850  
NIIN:00N028173  
MSDS Number: BMXQC  
=== Responsible Party ===  
Company Name:KAR PRODUCTS INC./DISTRIBUTOR  
Address:461 NORTH THIRD AVENUE  
City:DES PLAINES  
State:IL  
ZIP:60016  
Country:US  
Info Phone Num:312-296-6111  
Emergency Phone Num:312-296-6111  
CAGE:5L381

## === Contractor Identification ===

Company Name:KAR PRODUCTS  
Address:461 NORTH THIRD AVENUE  
Box:City:DES PLAINES  
State:IL  
ZIP:60016  
Country:US  
Phone:847-296-6111  
CAGE:5L381

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

Ingred Name:ETHYLENE, TETRACHLORO-;(PERCHLOROETHYLENE) (SARA III)  
CAS:127-18-4  
RTECS #:KX3850000  
Fraction by Wt: 25%  
OSHA PEL:100 PPM  
ACGIH TLV:25PPM/100,A3 STEL;94  
EPA Rpt Qty:100 LBS  
DOT Rpt Qty:100 LBS

Ingred Name:ETHANE, 1,1,1-TRICHLORO-; (1,1,1-TRICHLOROETHANE)  
CAS:71-55-6  
RTECS #:KJ2975000  
Fraction by Wt: 72%  
OSHA PEL:350 PPM;450 STEL  
ACGIH TLV:350 PPM;450 STEL  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS  
Ozone Depleting Chemical:1

Ingred Name:CARBON DIOXIDE  
CAS:124-38-9  
RTECS #:FF6400000  
Fraction by Wt: 3%  
OSHA PEL:5000 PPM  
ACGIH TLV:5000PPM/30000STEL;93

## ===== Hazards Identification =====

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:TARGET ORGANS:SKIN, CNS, CVS, EYES;  
LIVER, KIDNEYS, UPPER RESP SYS; LUNGS. 1,1,1 TRICHLOROETHANE MAY

CAUSE AN ALLERGIC RXN. HDCH, LASSITUDE, CNS DEPRESS, POOR EQUILIBRIUM, IRRITATED EYES, DERM, CARDIA C ARRYTHMIAS; IRRIT TO EYES, NOSE, THROAT, NAUS, FLUSHED FACE &/OR NECK, VERTIGO, DIZZ, INCOORD, HDCH,(EFTS OF OVEREXP)

Explanation of Carcinogenicity:TETRACHLOROETHYLENE:GROUP 2B (IARC), GROUP 2 (NTP).

Effects of Overexposure:HLTH HAZ:SOMNOLENCE, ERYTHEMA; RESTLESS, PARESTHESIA, DYSPNEA, SWEATING, MALAISE, INCR HEART RATE, ELEVATED BP/PULSE PRESS, COMA, ASPHY, CONVL, FROSTBITE. CHLOROCARBON MATLS HAVE PRODUCED SENSIT OF MY OCARDIUM TO EPINEPHRINE IN LAB ANIMALS & COULD HAVE SIMILAR EFT IN HUMANS. ADRENOMIMETICS (E.G., EPINEPHRINE)(SUPP DATA)

Medical Cond Aggravated by Exposure:HEART DISEASE.

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

First Aid:EYE:IMMEDIATELY WASH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES, OCCASIONALLY LIFTING UPPER & LOWER LIDS. GET MD IMMED. SKIN:PROMPTLY WASH CONTAMINATED SKIN W/SOAP & WATER. IF CLOTHING IS PEN ETRATED, REMOVE & WASH SKIN W/SOAP & WATER. IF IRRITATION PERSISTS, GET MD. INHAL:MOVE TO FRESH AIR & GIVE ARTIFICIAL RESPIRATION IF NECESSARY. INGEST:CALL MD IMMEDIATELY.

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

Flash Point:NONE

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

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED PRESS DEMAND SCBA & FULL PROT EQUIPMENT . KEEP CONTAINERS COOL. USE EQUIP/SHIELDING REQUIRED TO PROT AGAINST BURST/VENT CNTNRS.

Unusual Fire/Explosion Hazard:AT ELEVATED TEMPERATURES (130F & OVER), CONTAINERS MAY VENT, RUPTURE OR BURST. THERMAL DECOMPOSITION PRODUCTS MAY INCLUDE HCL & PHOSGENE .

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

Spill Release Procedures:USE ABSORBENT SWEEPING COMPOUND TO SOAK UP MATERIAL. PUT INTO CONTAINER. DISPOSE OF AS HAZARDOUS WASTE.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE AT TEMPERATURES BELOW 120F.

Other Precautions:CONTACT LENSES SHOULD NOT BE WORN WHEN WORKING WITH CHEMICALS. NO SMOKING IN AREA OF USE. DO NOT USE IN THE GENERAL VICINITY OF ARC WELDING, OPEN FLAMES OR HOT SURFACES. HEAT &/OR UV RADIATION MAY CAU SE FORMATION OF HCL &/OR PHOSGENE.

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

Respiratory Protection:WEAR NIOSH/MSHA APPROVED SCBA WITH FULL FACEPIECE AND OPERATED IN PRESSURE DEMAND OR OTHER POSITIVE PRESSURE MODE.

Ventilation:LOCAL EXHAUST.

Protective Gloves:IMPERVIOUS GLOVES .

Eye Protection:CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:WEAR APPROPRIATE EQUIPMENT TO PREVENT REPEATED OR PROLONGED CONTACT & FREEZING.

Work Hygienic Practices:EMPLOYEES SHOULD WASH PROMPTLY WHEN SKIN BECOMES CONTAM (WET). IMMED REMOVE ANY CLTHG THAT BECOMES WET TO AVOID (SUPDAT)

Supplemental Safety and Health

VP:100 PSIG @ 70F. EFTS OF OVEREXP:MAY BE CONTRAINDICATED EXCEPT FOR LIFE-SUSTAINING USES IN HUMANS ACUTELY OR CHRONICALLY EXPOSED TO CHLOROCARBONS . HYGIENE PRACT:FLAMMABILITY HAZARD. FOLLOW DI

RECTIONS FOR USE ON PRODUCT LABEL & PRACTICE GOOD HABITS OF  
CLEANLINESS.

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

HCC:V3  
Boiling Pt:B.P. Text:254F,123C  
Vapor Pres:SUPP DATA  
Vapor Density:4.0  
Spec Gravity:1.2  
Evaporation Rate & Reference:5.5 (BUTYL ACETATE=1)  
Solubility in Water:NONE  
Appearance and Odor:CLEAR/SOLVENT

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

Stability Indicator/Materials to Avoid:YES  
STRONG CAUSTICS, STRONG OXIDIZERS.  
Stability Condition to Avoid:HEAT, SPARKS, OPEN FLAME.  
Hazardous Decomposition Products:IN FIRE, PRODUCT MAY DECOMPOSE TO  
PHOSGENE. HCL .

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

Waste Disposal Methods:DISPOSE IN ACCORDANCE WITH EPA/RCRA. DISPOSAL  
MUST BE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS  
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