

## **K & W NON-FLAMMABLE BRAKE CLEANER 1419**

### **MSDS Number**

CFVHS

### **National Stock Number**

6850-00F054329

### **Product Name**

K & W NON-FLAMMABLE BRAKE CLEANER 1419

### **Manufacturer**

K AND W PRODUCTS

### **Product Identification**

Product ID:K & W NON-FLAMMABLE BRAKE CLEANER 1419

MSDS Date:01/30/1997

FSC:6850

NIIN:00F054329

MSDS Number: CFVHS

### **Responsible Party**

K & W PRODUCTS

239 GRIMES AVE

BLOOMINGTON , IN 47402-5000

US

Emergency Phone: 800/423-9446

Info Phone: 800/423-9446

Cage: KANDW

### **Contractor**

K&W PRODUCTS

BLOOMINGTON, IN 47403

US

800-423-9446

Cage: 75261

### **Ingredients**

CARBON DIOXIDE \*97-2\*

CAS: 124-38-9

RTECS: FF6400000

OSHA PEL5000 PPM

ACGIH TLV: 9000 MG/CUM

DICHLOROMETHANE (METHYLENE CHLORIDE) (SUSP HUMAN CARC BY

CAS: 75-09-2

RTECS: PA8050000

Fraction By Weight: 15-40%

OSHA PEL500 PPM

ACGIH TLV: 174 MG/CUM (A2)

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

PERCHLOROETHYLENE (TETRACHLOROETHYLENE) (SUSPECTED ANIMAL

CAS: 127-18-4

RTECS: KX3850000

Fraction By Weight: 15-40%

OSHA PEL50 PPM

ACGIH TLV: 50 PPM

EPA Report Quantity: 100 LBS

DOT Report Quantity: 100 LBS

TRICHLOROETHYLENE, TCE, TRICHLOROETHENE (SUSPECTED ANIMAL

CAS: 79-01-6

RTECS: KX4550000

Fraction By Weight: 15-40%

OSHA PEL50 PPM

ACGIH TLV: 50 PPM

EPA Report Quantity: 100 LBS

DOT Report Quantity: 100 LBS

## Hazards

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

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

Health Hazards Acute and Chronic:INHALATION: RESPIRATORY TRACT

IRRITANT. DEATH IN CONFINED/POORLY VENTILATED AREAS. SKIN:

SLIGHT/MODERATE IRRITANT/DERMATITIS. EYES: IRRITATION/TRANSIENT

CORNEAL INJURY. INGESTION: IRRITATION, ANESTHETIC DEATH.

ASPIRATION INTO LUNGS MAY LEAD TO CHEMICAL PNEUMONIA/PULMONARY

EDEMA/FATAL. DAMAGE TO LIVER/KIDNEY & CNS.

Explanation of Carcinogenicity:SEE INGREDIENTS.

Effects of Overexposure:IRRITATION, HEADACHE, DIZZINESS, NAUSEA,

VOMITING, NARCOSIS, DISCOMFORT, PAIN

Medical Cond Aggravated by Exposure:PREEXISTING SKIN, EYE,

RESPIRATORY/KIDNEY DISORDERS.

## First Aid

First Aid:INHALATION: REMOVE TO FRESH AIR. PROVIDE OXYGEN/CPR IF NEEDED. SKIN: WASH W/SOAP & WATER. EYES: FLUSH W/WATER FOR 15 MINS. INGESTION: IF CONSCIOUS DRINK LARGE AMOUNTS OF WATER. DON'T INDUCE VOMITING. DON'T GIVE ANYTHING BY MOUTH IF UNCONSCIOUS. OBTAIN MEDICAL ATTENTION IN ALL CASES.

## Fire Fighting

Flash Point:NONFLAMMABLE

Extinguishing Media:WATER, DRY CHEMICALS, CO2

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SELF CONTAINED BREATHING APPARATUS FOR POSSIBLE EXPOSURE TO HYDROGEN CHLORIDE & PHOSGENE.

Unusual Fire/Explosion Hazard:VAPORS CONCENTRATED IN A CONFINED/POORLY VENTILATED AREA CAN BE IGNITED ON CONTACT W/SPARK/FLAME/HIGH HEAT INTENSITY, WELDING SPARK.

## Accidental Release

Spill Release Procedures:EVACUATE/VENTILATE AREA. CONFINE/ABSORB INTO APPROVED ABSORBANT; PLACE INTO APPROVED CONTAINERS. DON'T ENTER LOW LYING AREAS W/O SELF CONTAINED BREATHING APPARATUS WHERE VAPORS MAY BE PRESENT.

## Handling

Handling and Storage Precautions:KEEP CONTAINER CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM ABUSE/FROM EXTREME TEMPS. KEEP THIS & OTHER CHEMICALS OUT OF REACH OF CHILDREN.

Other Precautions:MINIMIZE BODY CONTACT W/THIS PRODUCT AS WELL AS ALL CHEMICALS IN GENERAL. AVOID INHALING CONCENTRATED FUMES/VAPORS.

## Exposure Controls

Respiratory Protection:IF TWA EXCEEDS LIMITS. NIOSH APPROVED RESPIRATOR

MUST BE WORN.

Ventilation:LOCAL EXHAUST/MECHANICAL (GENERAL): TO MAINTAIN TWA & STEL LEVELS. ENGINEERING & WORK CONTROLS AS REQUIRED.

Protective Gloves:NEOPRENE/RUBBER

Eye Protection:GOGGLES W/SIDE SHIELDS

Other Protective Equipment:SAFETY EYEBATH NEARBY.

Work Hygienic Practices:REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. PRACTICE SAFE WORK HABITS.

Supplemental Safety and Health

## Chemical Properties

Boiling Pt:B.P. Text:104F

Vapor Pres:340

Vapor Density:>1

Volatile Org Content %:13

Spec Gravity:1.458

Evaporation Rate & Reference:(N BUTYL ACETATE=1): Solubility in Water:Appearance and Odor:CLEAR LIQUID W/CHARACTERISTIC PUNGENT CHL SOLVENT ODOR

Percent Volatiles by Volume:100/WT

## Stability

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS, STRONG ACIDS

Stability Condition to Avoid:EXTREME TEMPS, HIGH ENERGY IGNITION

SOURCE, WELDING SPARKS

Hazardous Decomposition Products:THERMAL DECOMPOSITION: CO, CO2,

HYDROGEN CHLORIDE FUMES, PHOSGENE

## Disposal

Waste Disposal Methods:DON'T FLUSH TO SANITARY SEWER/WATERWAY. DISPOSE OF IN ACCORDANCE W/LOCAL, STATE & FEDERAL REGULATIONS.

## Other Information

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.