

K & W PRODUCTS -- K & W NON-FLAMMABLE BRAKE CLEANER 1419

MSDS Safety Information

FSC: 6850

MSDS Date: 01/30/1997

MSDS Num: CFVHS

LIIN: 00F054329

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

MFN: 01

Responsible Party

Cage: KANDW

Name: K & W PRODUCTS

Address: 239 GRIMES AVE

City: BLOOMINGTON IN 47402-5000

Info Phone Number: 800/423-9446

Emergency Phone Number: 800/423-9446

Published: Y

Preparer Co. when other than Responsible Party Co.

Cage: KANDW

Name: K & W PRODUCTS

Address: 8319 S ALLPORT AVE

City: SANTE FE SPRINGS CA 90670

Contractor Summary

Cage: KANDW

Name: K & W PRODUCTS

Address: 8319 S ALLPORT AVE

City: SANTE FE SPRINGS CA 90670

Phone: 213-723-9591

Cage: 75261

Name: K&W PRODUCTS

Address: 239 WEST GRIMES LANE

City: BLOOMINGTON IN 47403

Phone: 800-423-9446

Ingredients

Cas: 124-38-9

RTECS #: FF6400000

Name: CARBON DIOXIDE *97-2*

Other REC Limits: 10000 PPM

OSHA PEL: 5000 PPM

ACGIH TLV: 9000 MG/CUM

Cas: 75-09-2
RTECS #: PA8050000
Name: DICHLOROMETHANE (METHYLENE CHLORIDE) (SUSP HUMAN CARC BY ACGIH, SUSP ANIM
CARC BY IARC GROUP 2B, SUSP CARC BY NTP)*97-2*
% Wt: 15-40
OSHA PEL: 500 PPM
ACGIH TLV: 174 MG/CUM (A2)
EPA Rpt Qty: 1000 LBS
DOT Rpt Qty: 1000 LBS

Cas: 127-18-4
RTECS #: KX3850000
Name: PERCHLOROETHYLENE (TETRACHLOROETHYLENE) (SUSPECTED ANIMAL CARCINOGEN BY
NTP & IARC - GROUP 2B) *97-2*
% Wt: 15-40
Other REC Limits: 50 PPM
OSHA PEL: 50 PPM
ACGIH TLV: 50 PPM
EPA Rpt Qty: 100 LBS
DOT Rpt Qty: 100 LBS

Cas: 79-01-6
RTECS #: KX4550000
Name: TRICHLOROETHYLENE, TCE, TRICHLOROETHENE (SUSPECTED ANIMAL CARCINOGEN BY
IARC - GROUP 3) *97-2*
% Wt: 15-40
Other REC Limits: 50 PPM
OSHA PEL: 50 PPM
ACGIH TLV: 50 PPM
EPA Rpt Qty: 100 LBS
DOT Rpt Qty: 100 LBS

=====
Health Hazards Data
=====

Route Of Entry Inds - Inhalation: YES
Skin: NO
Ingestion: YES
Carcinogenicity Inds - NTP: YES
IARC: YES
OSHA: NO

Effects of Exposure: INHALATION: RESPIRATORY TRACT IRRITANT. DEATH IN
CONFINED/POORLY VENTILATED AREAS. SKIN: SLIGHT/MODERATE IRRITANT/DERMATITIS.
EYES: IRRITATION/TRANSIENT CORNEAL INJURY. INGESTION: IRRITATION, ANESTHE
TIC DEATH. ASPIRATION INTO LUNGS MAY LEAD TO CHEMICAL PNEUMONIA/PULMONARY
EDEMA/FATAL. DAMAGE TO LIVER/KIDNEY & CNS.

Explanation Of Carcinogenicity: SEE INGREDIENTS.

Signs And Symptions Of Overexposure: IRRITATION, HEADACHE, DIZZINESS, NAUSEA,
VOMITING, NARCOSIS, DISCOMFORT, PAIN

Medical Cond Aggravated By Exposure: PREEXISTING SKIN, EYE, RESPIRATORY/KIDNEY DISORDERS.

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.

=====
Handling and Disposal
=====

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.

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

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.

=====
Fire and Explosion Hazard Information
=====

Flash Point Text: 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.

=====
Control Measures
=====

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.

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

B.P. Text: 104F

Vapor Pres: 340

Vapor Density: >1

Volatile Org Content %: 13

Spec Gravity: 1.458

Appearance and Odor: CLEAR LIQUID W/CHARACTERISTIC PUNGENT CHLORINATED SOLVENT
ODOR

Percent Volatiles by Volume: 100/WT

=====

Reactivity Data

=====

Stability Indicator: YES

Stability Condition To Avoid: EXTREME TEMPS, HIGH ENERGY IGNITION SOURCE,
WELDING SPARKS

Materials To Avoid: STRONG OXIDIZERS, STRONG ACIDS

Hazardous Decomposition Products: THERMAL DECOMPOSITION: CO, CO2, HYDROGEN
CHLORIDE FUMES, PHOSGENE

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: NONE

=====

Toxicological Information

=====

=====

Ecological Information

=====

=====

MSDS Transport Information

=====

=====

Regulatory Information

=====

=====

Other Information

=====

Other Information: VOLATILE ORGANIC CONTENT: 12.77% (ASSUMING NO EXEMPT
SOLVENTS)

=====

HAZCOM Label

=====

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

Cage: KANDW

Company Name: K & W PRODUCTS

Street: 8319 S ALLPORT AVE

City: SANTE FE SPRINGS CA

Zipcode: 90670

Health Emergency Phone: 800/423-9446

Label Required IND: Y

Date Of Label Review: 10/12/1999

Status Code: A

Origination Code: G

Hazard And Precautions: 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.

=====
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, states, or intends said information to have any application, use or viability by or to any person or persons outside the Department of Defense nor any person or persons contracting with any instrumentality of the United States of America and disclaims all liability for such use. Any person utilizing this instruction who is not a military or civilian employee of the United States of America should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation regardless of similarity to a corresponding Department of Defense or other government situation.