

FLAMEMASTER CORP THE CHEM SEAL DIV -- CS 3330 CLASS A,PART A -- 8030-00-291-8380

=====  
Product Identification  
=====

Product ID:CS 3330 CLASS A,PART A

MSDS Date:02/04/1994

FSC:8030

NIIN:00-291-8380

Kit Part:Y

MSDS Number: CBQHY

=== Responsible Party ===

Company Name:FLAMEMASTER CORP THE CHEM SEAL DIV

Address:11120 SHERMAN WAY

City:SUN VALLEY

State:CA

ZIP:91352

Country:US

Info Phone Num:818-982-165

0 FAX 818-765-5603

Emergency Phone Num:818-982-1650/800-424-9300(CHEMTREC)

Preparer's Name:HERBERT MOORE

CAGE:14439

=== Contractor Identification ===

Company Name:FLAMEMASTER CORP THE CHEM SEAL DIV

Address:11120 SHERMAN WAY

Box:City:SUN VALLEY

State:CA

ZIP:91352-4949

Country:US

Phone:818-982-1650

CAGE:14439

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

Ingred Name:METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA 313) (CERCLA)

CAS:78-93-3

RTECS #:EL6475000

Other REC Limits:NO

NE RECOMMENDED

OSHA PEL:200 PPM

ACGIH TLV:200 PPM/300STEL;9596

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:VOLATILE ORGANIC CONTENT AS LISTED ON MSDS:109 G/L.

RTECS #:9999999VC

Other REC Limits:NONE RECOMMENDED

OSHA PEL:NOT RELEVANT

ACGIH TLV:NOT RELEVANT

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS NOT KNOWN.

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

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

Healt

h Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, CNS, LIVER, KIDNEY, LUNG. ACUTE AND CHRONIC- MAY CAUSE EYE, SKIN AND NOSE IRRITATION. LONG TERM EXPOSURE MAY CAUSE DERMATITIS, LIVER AND KIDNEY DAMAGE. OVEREXPOSURE MAY LEAD T O MUSCULAR WEAKNESS, CENTRAL NERVOUS SYSTEM EFFECTS. MAY BE HARMFUL IF INGESTED.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION, DROWSINESS, DIZZINESS, NAUSEA, VOMITING, HEADACHE, WEAKNESS, ABDOMINAL DISCOMFORT, DRYNESS OF

SKIN, ABDOMINAL PAIN, DERMATITIS

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN DISORDERS, EYE PROBLEMS OR IMPAIRED LIVER, KIDNEY OR RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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

First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES:FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. SKIN:WASH WITH S OAP & WATER.  
ORAL:GET MEDIC AL ATTENTION.

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

Flash Point Method:TCC

Flash Point:90.0F,32.2C

Lower Limits:1.97

Upper Limits:11.00

Extinguishing Media:USE WATER, FOAM, DRY CHEMICAL OR CARBON DIOXIDE. COOL FIRE-EXPOSED CONTAINERS WITH WATER SPRAY.

Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS IN CONFINED AREAS.

Unusual Fire/Explosion Hazard:VAPOR IS HEAVIER THAN AIR AND CAN TRAVEL

CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK. CONTAINERS MAY RUPTURE DUE TO VAPOR PRESSURE BUILDUP.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES OF IGNITION. VENTILATE AREA. CONTAIN SPILL. COVER SPILL WITH NON-FLAMMABLE ABSORBENT SUCH AS SAND, EARTH. TRANSFER TO A SUITABLE CONTAINER FOR DISPOSAL. PR EVENT LIQUID FROM ENTERING SEWERS AND WATERWA

YS.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN COOL, VENTILATED AREA AWAY FROM SOURCES OF IGNITION & INCOMPATIBLES. KEEP OUT OF REACH OF CHILDREN. GROUND CONTAINERS WHEN FILLING/EMPTYING.

Other Precautions:EMPTY CONTAINERS MAY RETAIN RESIDUE. FOLLOW ALL PRECAUTIONS. DO NOT GET IN EYES. DO NOT BREATHE VAPOR OR MIST. AVOID PROLONGED OR REPEATED SKIN CONTACT. WASH THOROUGHLY AFTER

HANDLING AND BEFORE EATING OR DRINKING.

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

Respiratory Protection:IF WORKING IN CONFINED AREAS OR IF EXPOSURE MAY OR DOES EXCEED 200 PPM, WEAR NIOSH-APPROVED SELF CONTAINED BREATHING APPARATUS.

Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:NEOPRENE IF REPEATED CONTACT POSSIBLE

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:EYE WASH STATION, SAFETY SHOWER, INDUSTRIAL-TYPE WORK CLOTHING, APRON

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health

KEY1:F3. THE KIT CONSISTS OF TWO PARTS. PART A HAS PNI D AND PART B HAS PNI E, SAME NSN.

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

HCC:F3

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:176F,80C

Vapor Pres:78

Vapor Density:2.41

S

pec Gravity:1.33

pH:8.5

Viscosity:200 POISES

Evaporation Rate & Reference:5.7 (N-BUTYL ACETATE=1)

Solubility in Water:SLIGHT

Appearance and Odor:PINK PASTE, POLYSULFIDE ODOR

Percent Volatiles by Volume:12.7

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:HEAT, DIRECT SUNLIGHT, SPARKS, FLAMES AND  
OTHER SOURCES OF IGNITION

Hazardous Decomposition Products:CARBON MONOXIDE, C  
ARBON DIOXIDE,  
SULFUR DIOXIDE, HYDROGEN SULFIDE

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

Waste Disposal Methods:REACT WITH CURING AGENT AND DISPOSE AS SOLID  
HAZARDOUS WASTE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL  
REGULATIONS.

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.