

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:818-982-1650
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:NON
E 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
Health

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 S

KIN, 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.

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First Aid Measures
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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 SO

AP & WATER.

ORAL:GET MEDIC AL ATTENTION.

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Fire Fighting Measures
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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 A IR AND CAN TRAVEL

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

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Accidental Release Measures
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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 WATERWAY

S.
Neutralizing Agent:NOT RELEVANT

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Handling and Storage
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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.

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Exposure Controls/Personal Protection
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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.

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Physical/Chemical Properties
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HCC:F3

NRC/State Lic Num:NOT RELEVANT

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

Vapor Pres:78

Vapor Density:2.41

Sp

ec 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, CARBON
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.

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