

FLAMEMASTER CORP., THE CHEM SEAL DIV. -- CS 3204 PART A -- 8030-00-889-3531

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

Product ID:CS 3204 PART A

MSDS Date:06/15/1990

FSC:8030

NIIN:00-889-3531

Kit Part:Y

MSDS Number: BKKGF

=== Responsible Party ===

Company Name:FLAMEMASTER CORP., THE CHEM SEAL DIV.

Address:11120 SHERMAN WAY

City:SUN VALLEY

State:CA

ZIP:91352-4949

Country:US

Info Phone Num:818-982-1650

Emergency Phone Num: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:TOLUENE (SARA III)

CAS:108-88-3

RTECS #:XS5250000

Other REC Limits:NONE SPECIFIED

OSHA PEL:200 PPM/150 STEL

ACGIH TLV:50 PPM; 9293

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:VOC: 140 GM/LITER

RT

ECS #:9999999VO  
Other REC Limits:NONE SPECIFIED

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:MAY CAUSE EYE, SKIN AND NOSE  
IRRITATION. MAY LEAD TO MUSCULAR WEAKNESS AND DIZZINESS. LONG TERM  
EXPOSURE MAY LEAD TO DERMATITIS, LIVER AND KIDNEY DAMAGE.  
Effects of Overexposure:EYE, NOSE OR SKIN IRRITATION. HEADACHE AND  
NAUSEA  
WITH IMPAIRED COORDINATION.  
Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN DISORDERS,  
RESPIRATORY TRACT; LIVER OR KIDNEY DISEASE.

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

First Aid:EYE CONTACT: FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER,  
CONTACT PHYSICIAN. SKIN: WASH WITH MILD SOAP AND WATER.

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

Flash Point Method:TCC  
Flash Point:90.0F,32.2C  
Lower Limits:1.3  
Upper Limits:7.1  
Extinguishing Media:DRY CHEMICAL, CO2, FOAM, WATER. ROOM TEMPERATURE.  
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS, IN  
CONFINED AREAS.  
Unusual Fire/Explosion Hazard:VAPORS ARE HEAVIER THAN AIR AND CAN  
TRAVEL TO SOURCES OF IGNITION.

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

Spill Release Procedures:REMOVE IGNITION SOURCES. TRANSFER TO SAFETY  
CONTAINER, CLEAN UP REMAINDER WITH SAND OR SWEEPING COMPOUND, WASH  
AREA WITH SOAP AND WATER.

=====

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

Handling and Storage Precautions:STORE IN COOL, WELL VENTILATED AREA.

GROUND CONTAINERS WHEN FILLING OR EMPTYING.

Other Precautions:WASH HANDS BEFORE EATING, DRINKING OR SMOKING, AFTER HANDLING THIS PRODUCT.

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

Respiratory Protection:FOR VAPORS ABOVE 200 PPM NEED SELF-CONTAINED BREATHING APPARATUS.

Ventilation:LOCAL EXHAUST: HOOD. MECHANICAL: FAN.

Protec

tive Gloves:RUBBER.

Eye Protection:SAFETY GLASSES/FACE SHIELD.

Other Protective Equipment:APPROPRIATE TO PREVENT PROLONGED CONTACT WITH SKIN.

Work Hygienic Practices:TRAIN PERSONNEL IN SAFE HANDLING OF THIS PRODUCT.

Supplemental Safety and Health

KEY1:F4.

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

HCC:F4

Boiling Pt:B.P. Text:231F,111C

Melt/Freeze Pt:M.P/F.P Text:LIQUID AT

Vapor Pres:2

Vapor Density:3.1

Spec Gravity:1.5

pH:8.5

Viscosity:300 POISES

Evaporation R

ate & Reference:2.0 (BUAC = 1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:WHITE PASTE, POLYSULFIDE ODOR.

Percent Volatiles by Volume:15

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

Stability Indicator/Materials to Avoid:YES

AVOID STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:HIGH HEAT OR OPEN FLAME.

Hazardous Decomposition Products:SO<sub>2</sub>, CO<sub>2</sub>, H<sub>2</sub>S, SOOT, CO.

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

Waste Disposal Methods:INC

INATION AND/OR LANDFILL-REACT WITH CURING

AGENT AND DISPOSE AS SOLID HAZARDOUS WASTE ACCORDING TO FEDERAL,  
STATE AND LOCAL 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.