

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

Product ID:CS 3204 PART A

MSDS Date:08/28/1991

FSC:8030

NIIN:00-753-4598

Kit Part:Y

MSDS Number: BRNNS

=== Responsible Party ===

Company Name:FLAMEMASTER CORPORATION, CHEMICAL SEAL DIVISON

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)

Prepar

er'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 BENZENE; TOLUENE (SARA 313)

CAS:108-88-3

RTECS #:XS5250000

Fraction by Wt: 10%

Other REC Limits:NONE SPECIFIED

OSHA PEL:200 PPM/150 STEL

ACGIH TLV:50 PPM; 9293

EPA Rpt Qty:1000 LBS

D

OT Rpt Qty:1000 LBS

Ingred Name:VOC: 140 GM/LITER

RTECS #: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 CO-ORDINATION.

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 & WATER.

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

Flash Point Method:TCC

Flash Poi

nt:90.0F,32.2C

Lower Limits:1.3

Upper Limits:7.1

Extinguishing Media:DRY CHEMICAL, CO2, FOAM, WATER

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS  
(SCBA), 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 (SCBA).  
Ventila  
tion:LOCAL EXHAUST, HOOD.  
Protective 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:LIQ@RM TEMP  
Vapor Pres:2 MM HG  
Vapor Density:3.1 AIR =1  
Spec Gravity:  
1.5 WATER = 1  
pH:8.5  
Viscosity:300 POISES  
Evaporation Rate & Reference:2.0 (BUTYL ACETATE = 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.  
Hazardous Decomposition Products:SO2, CO2, H2S, SOOT, CO  
Conditions to Avoid Polymerization:HIGH HEAT OR OPEN FLAME.

===== Disp

osal Considerations =====

Waste Disposal Methods: REACT WITH CURING AGENT AND DISPOSE AS SOLID  
HAZARDOUS WASTE ACCORDING TO FEDERAL, STATE AND LOCAL REGULATIONS.  
INCINERATION &/OR LAND DISPOSAL, AS IS OR REACT WITH PART B &  
DISPOSE AS SOLID HAZARDOUS WASTE. INCINERATION AND/OR LANDFILL.

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.