

FLAMEMASTER CORP THE CHEM SEAL DIV -- CS 3100 TYPE II CLASS 1 (PART A) --  
8030-00-881-2618

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

Product ID:CS 3100 TYPE II CLASS 1 (PART A)

MSDS Date:07/19/1991

FSC:8030

NIIN:00-881-2618

Kit Part:Y

MSDS Number: BTTJC

=== Responsible Party ===

Company Name:FLAMEMASTER CORP THE CHEM SEAL DIV

Address:11120 SHERMAN WAY

City:SUN VALLEY

State:CA

ZIP:91352-4949

Country:US

In

fo 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:TOLUENE (SARA III)

CAS:108-88-3

RTECS #:XS5250000

Fraction by Wt: 2%

Other REC Limi

ts:NONE RECOMMENDED  
OSHA PEL:200 PPM; Z-2  
ACGIH TLV:S, 50 PPM; 9394  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

=====  
===== 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:EYES:MAY CAUSE IRRITATION.SKIN:MAY  
CAUSE IRRITATION.INGEST:MAY CAUSE GI TRACT IRRITATION.INHAL:MAY  
CAUSE RESPIRATORY IRRITATION.CHRONIC:DERMATITIS,LIVER AND KIDNEY  
D

AMAGE.

Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1%  
WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.

Effects of Overexposure:INHAL/INGEST:MUSCLE  
WEAKNESS,HEADACHE,NAUSEA,IMPAIRED COORDINATION.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING  
SKIN,LIVER,KIDNEY OR RESPIRATORY AILMENTS MAY BE AT INCREASED RISK  
FROM EXPOSURE.

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

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WA  
SH WITH WATER.EYES:FLUSH  
WITH WATER FOR 15 MINUTES.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR  
ARTIFICIAL RESPIRATION IF NEEDED.INGEST:DO NOT INDUCE VOMITING.GET  
PROMPT QUALIFIED MEDICAL ATTENTION.

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

Flash Point Method:TCC

Flash Point:130F,54C

Lower Limits:1.3

Upper Limits:7.1

Extinguishing Media:WATER FOG,DRY CHEMICAL,CARBON DIOXIDE,FOAM.

Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND  
FULL

PROTECTIVE EQUIPMENT.COOL FIRE EXPOSED CONTAINERS WITH WATER  
FOG.

Unusual Fire/Explosion Hazard:VAPORS ARE HEAVIER THAN AIR,CAN TRAVEL  
DISTANCES ALONG THE GROUND,AND FLASHBACK AT THE SOURCE.HAZARDOUS  
FUMES MAY BE EVOLVED FROM FIRE.

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

Spill Release Procedures:ELIMINATE SOURCES OF IGNITION.USE PROPER  
RESPIRATORY AND PROTECTIVE EQUIPMENT.SHUT OFF LEAK IF  
SAFE.DIKE.SOAK UP WITH A NON-COMBUSTIBLE INERT  
ABSORBA

NT(CLAY,SAND);PLACE IN PROPER CONTAINER FOR DISPOSAL.WASH  
SPILL AREA TO REMOVE SLIPPINESS.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE IN A COOL,DRY,WELL-VENTILATED  
PLACE.KEEP CONTAINER CLOSED WHEN NOT IN USE.

Other Precautions:WASH AFTER AFTER HANDLING.

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

Respiratory Protection:WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN  
ENC

LOSED SPACES WHERE VAPORS ARE ABOVE 200PPM,USE A SELF-CONTAINED  
BREATHING APPARATUS.

Ventilation:LOCAL VENTILATION AT THE WORKSITE;MECHANICAL(GENERAL)  
VENTILATION TO MAINTAIN TLV/PEL.

Protective Gloves:RUBBER

Eye Protection:SAFETY GLASSES WITH FACE SHIELD

Other Protective Equipment:PROTECTIVE CLOTHING,AS NEEDED.PROVIDE A  
LOCAL EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:WASH HANDS.SEPERATE WORK CLOTHES FROM STREET  
CLOTHES.LAUNDER WORK CLOTHES BEFORE REUSE.KEEP FOOD  
OUT OF THE WORK  
AREA.

Supplemental Safety and Health

KEY1;F4.THIS ITEM IS A MARINE POLLUTANT.

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

HCC:F4

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

Vapor Pres:22

Vapor Density:3.2

Spec Gravity:1.68

pH:7.2

Viscosity:500 POISES

Evaporation Rate & Reference:2.0 (N-BUTYL ACETATE=1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:PASTE;WHITE;POLYSULFIDE ODOR

Percent Volatiles by Volume:5

===== Stability and Reactivity D

ata =====

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS.

Stability Condition to Avoid: HIGH HEAT, SOURCES OF IGNITION.

Hazardous Decomposition Products: CARBON DIOXIDE, CARBON MONOXIDE, HYDROGEN SULFIDE, SULFUR DIOXIDE.

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

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

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