

FLAMEMASTER CORP THE CHEM SEAL DIV -- CS 1900 PART B -- 8030-00-783-8886

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

Product ID:CS 1900 PART B  
MSDS Date:03/18/1996  
FSC:8030  
NIIN:00-783-8886  
Kit Part:Y  
MSDS Number: CCCBZ  
==== 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 FAX 818-7  
65-5603  
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:ISOPROPYL ALCOHOL (SARA 313)  
CAS:67-63-0  
RTECS #:NT8050000  
Fraction by Wt: 20%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:400 PPM  
ACG

IH TLV:400 PPM/500STEL;9596

Ingred Name:2,4,6-TRIS(DIMETHYLAMINO METHYL) PHENOL

CAS:90-72-2

RTECS #:SN3500000

Fraction by Wt: 5%

Other REC Limits:NONE RECOMMENDED

=====  
===== 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:ACUTE: MAY CAUSE EYES, SKIN AND NOSE IRRITATION. MAY LEAD TO MUSCULAR WEAKNESS, DIZZINESS. CHRONIC: LONG TERM EXPOS

URE MAY LEAD TO DERMATITIS, LIVER, KIDNEY DAMAGE.

Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

Effects of Overexposure:EYES, SKIN, NOSE IRRITATION. HEADACHE, NAUSEA, IMPAIRED COORDINATION.

Medical Cond Aggravated by Exposure:PRE-EXISITING SKIN DISORDERS, RESPIRATORY TRACT, LIVER, OR KIDNEY DISEASE.

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

First Aid:EYES-FLUSH WITH WA

TER FOR 15 MINUTES. SKIN-REMOVE

CONTAMINATED CLOTHES. WASH WITH MILD SOAP & WATER.

DLA-HMIS:INHALED-REMOVE TO FRESH AIR. ADMINISTER OXYGEN OR ARTIFICIAL RESPIRATION AS NEEDED. INGES TED-CONTACT POISON CONTROL CENTER OR PHYSICIAN.

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

Flash Point Method:TCC

Flash Point:150F,66C

Lower Limits:2.3

Upper Limits:11.0

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

Fire Fighting Procedures:IN CONFINED

AREAS WEAR SELF-CONTAINED  
BREATHING APPARATUS AND FULL FIRE FIGHTER'S PROTECTIVE GEAR.  
Unusual Fire/Explosion Hazard:NONE KNOWN.

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

Spill Release Procedures:ELIMINATE ALL SOURCES OF IGNITION. TRABSFER TO  
SAFETY CONTAINERS. CLEAN-UP RESIDUE WITH SAND OR SWEEPING COMPOUND.  
WASH AREA WITH SOAP & WATER.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL-VENTILATED  
PLACE. 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:IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE  
OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED RESPIRATOR WITH  
ORGANIC VAPOR CARTRIDGE OR AN AIR-SUPPLIED RESPIRATOR OR S  
CBA, AS  
REQUIRED. USE IAW 29 CFR 1910.134.

Ventilation:USE ADEQUATE EXPLOSION-PROOF MECHANICAL VENTILATION OR  
LOCAL (HOOD OR DUCT) EXHAUST TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:RUBBER.

Eye Protection:SAFETY GLASSES+FACE SHIELD

Other Protective Equipment:APPROPRIATE TO PREVENT PROLONGED SKIN  
CONTACT. DLA-HMIS: EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices:WASH HANDS AFTER HANDLING AND BEFORE EATING,  
DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEF  
ORE REUSE.

Supplemental Safety and Health

KEY1=F8. PART B OF 2 PART KIT. TRAIN PERSONNEL IN SAFE HANDLING OF THIS  
PRODUCT BEFORE USE.

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

HCC:F3

Boiling Pt:B.P. Text:180F,82C

Vapor Pres:30

Vapor Density:2.1

Spec Gravity:1.01

VOC Pounds/Gallon:200

pH:8.5

Viscosity:10 CPS

Evaporation Rate & Reference:2.4 (N-BUTYL ACETATE=1)

Solubility in Water:MODERATE

Appearance and Odor:AMBER LIQUID; AMINE ODOR.

Percent Volatiles by Volum

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

Stability Indicator/Materials to Avoid: YES

STRONG MINERAL ACIDS, STRONG ALKALIS, EPOXIES, ISOCYANATES.

Stability Condition to Avoid: EXCESSIVE HEAT OR OPEN FLAME.

Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE,  
OXIDES OF NITROGEN & SULFUR.

Conditions to Avoid Polymerization: WILL NOT OCCUR.

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

Waste Disposal Methods: REACT WITH CURING AGENT AND DISPOSE OF AS SOLID

HAZARDOUS WASTE ACCORDING TO LOCAL, STATE AND FEDERAL REGULATIONS.  
EPA HAZWASTE NUMBER CAD062064746; SLUDGE; INCINERATION &/OR  
LANDFILL-AS SOLID HAZARDOUS WASTE IAW 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.