

FLAMEMASTER CORPORATION, CHEMICAL SEAL DIVISION -- CS 3204 PART B -- 8030-00-723-5343  
===== Product Identification =====

Product ID:CS 3204 PART B  
MSDS Date:08/28/1991  
FSC:8030  
NIIN:00-723-5343  
Kit Part:Y  
MSDS Number: BRNNP  
=== Responsible Party ===  
Company Name:FLAMEMASTER CORPORATION, CHEMICAL SEAL DIVISION  
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:MANGANESE DIOXIDE  
CAS:1313-13-9  
RTECS #:OP0350000  
Fraction by Wt: 65%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:5 MG MN/M3

ACGIH TLV:5 MG MN/M3

Ingred Name:VOC: 1 GM/LITER  
RTECS #:9999999VO  
Other REC Limits:NONE SPECIFIED

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:IMPAIRMENT OF CENTRAL NERVOUS SYSTEM  
(CNS).  
Effects of Overexposure:SLUGGISHNESS, SLEPPLESSNESS AND/OR WEAKNESS IN  
THE LEGS.  
Medical Cond Aggravated by Exposure:NONE KNOWN

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

First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER, CONTACT A PHYSICIAN.  
SKIN: WASH WITH SOAP & WATER.

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

Flash Point:NOT FLAMMABLE  
Extinguishing Media:DRY CHEMICAL, CO2, FOAM, WATER  
Fire Fighting Procedures:IN CONFINED AREAS WEAR SELF-CONTAINED  
BREATHING APPARATUS (SCBA).  
Unusual Fire/Explosion Hazard:EXPLOSION HAZARD IF HEATED WITH  
OXIDIZABLE MATERIALS.

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

Spill Release Procedures:SCOOP UP AND TRANSFER TO SAFETY CONTAINER,  
WASH SURFACE WITH SOAP & WATER.

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

Handling and Storage Precautions:STORE IN A COOL DRY AREA.  
Other Precautions:WASH HANDS BEFORE EATING, DRINKING OR SMOKING AFTER  
HANDLING THIS PRODUCT.

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

Respiratory Protection:NONE NE

EDED  
Protective Gloves:RUBBER  
Eye Protection:SAFETY GLASSES  
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:N1.

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

HCC:F4  
Melt/Freeze Pt:M.P/F.P Text:LIQ@RM TEMP  
Spec Gravity:2.0 WATER = 1  
pH:9.0  
Viscosity:1000 POISES  
Evaporation Rate & Reference:NIL (BUTYL ACETATE = 1)  
Solubility in Water:NEGLIGIBLE  
Appearance and Odor:BLACK PASTE, OILY ODOR  
Percent Volatiles by Volume:2.0

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

Stability Indicator/Materials to Avoid:YES  
REDUCING AGENTS AND COMBUSTIBLES, H<sub>2</sub>S, POTASSIUM AZIDE.  
Stability Condition to Avoid:NONE  
Hazardous Decomposition Products:CO<sub>2</sub>, CO, NO, NO<sub>2</sub>, DUST

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

Waste Disposal Methods:REACT WITH BASE COMPONENT & DISPOSE AS SOLID  
WASTE ACCORDING TO LOCAL, STATE & FEDERAL REGULATIONS. INCINERATION &/OR LANDFILL-MIXED WITH PART A, HAZARDOUS WASTE. PART B ALONE NON-HAZARDOUS.

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