

CHEM SEAL CORP (DIST) SHEPHERD CHEMICAL (MFR) -- CS3204,C1 ASSA-2,MIL-S-8802D,PART B  
-- 8030-00-723-5344

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

Product ID:CS3204,C1 ASSA-2,MIL-S-8802D,PART B

MSDS Date:01/01/1987

FSC:8030

NIIN:00-723-5344

MSDS Number: BFMMK

=== Responsible Party ===

Company Name:CHEM SEAL CORP (DIST) SHEPHERD CHEMICAL (MFR)

Emergency Phone Num:(213) 982-1655-

CAGE:LO856

=== Contractor

Identification ===

Company Name:CHEM SEAL CORP (DIST) SHEPHERD CHEMICAL (MFR)

CAGE:LO856

Company Name:FLAMEMASTER CORPORATION

Address:11120 SHERMAN WAY

Box:City:SUN VALLEY

State:CA

ZIP:91352-4949

Country:US

Phone:818-982-1650

CAGE:13422

===== Composition/Information on Ingredients =====

Ingred Name:MANGANESE DIOXIDE (AS MANGANESE)

CAS:1313-13-9

RTECS #:OP0350000

OSHA PEL:C,5 MG/M3/1 FUME TWA

ACGIH TLV:5 MG/M3 DUST/1 FUME

===== Hazards Identification =====  
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Effects of Overexposure:ACUTE-NON KNOWN TO MFR. CHRONIC-MANGANESE  
POISONING AFFECTING THE CENTRAL NERVOUS SYSTEM.

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

First Aid:EYE:IMMEDIATELY FLUSH W/WATER AT LEAST 15 MINUTES. CALL MD.  
SKIN:WASH THOROUGHLY W/SOAP & WATER.

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

Extinguishing Media:WATER, CO+2, FOAM

Unusual Fire/Explosion Hazard:MODERATE, BY CHEMICAL:A POWERFUL  
OXIDIZ

ER. MUST NOT BE HEATED/RUBBED IN CONTACT W/EASILY OXIDZD MTR

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

Spill Release Procedures:SWEEP INTO DISPOSAL CONTAINER.

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

Handling and Storage Precautions:STORE UNDER NORMAL CONDITIONS AWAY FROM EXTREME HEAT.

Other Precautions:GOOD HOUSEKEEPING PRACTICES SHOULD ALWAYS BE FOLLOWED TO PREVENT DUSTING DURING PROCESSING.

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

Respiratory Protection:NIOSH/MSHA APPRVD RESP PROTECTN FOR PARTCLR EXPOSURE OF CONCERN.

Ventilation:LOCAL EXHAUST-YES, UNDER DUSTY CONDITIONS

Protective Gloves:RUBBER GLOVES

Eye Protection:SIDE SHIELD GOGGLES

Supplemental Safety and Health

PART B OF A TWO PART PRODUCT, MIX RATIO BY WEIGHT IS 10010 (A:B) KEY 1:N1

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

HCC:F4

NRC/State Lic Num:NA

Boiling Pt:B.P. Text:995F

Spec Gravity:4.2

Sol

ubility in Water:NEGLIGIBLE

Appearance and Odor:FINE BLACK POWDER-ODORLESS

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

Stability Indicator/Materials to Avoid:YES

DO NOT HEAT OR RUB W/EASILY OXIDIZABLE MATERIAL.

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

Waste Disposal Methods:DISPOSE IN ACCORDANCE W/LOCAL, STATE, AND FEDERAL REGULATIONS.

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