

CHEM SEAL CORP(DIST),SHEPHERD CHEMICAL (MFR) -- CS 3204, CLASS B-2, MIL-S-8802D, PART B  
-- 8030-00-579-8453

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

Product ID:CS 3204, CLASS B-2, MIL-S-8802D, PART B

MSDS Date:01/01/1985

FSC:8030

NIIN:00-579-8453

MSDS Number: BFFZX

==== Responsible Party ===

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

Emergency Phone Num:(213)982-1655

CAGE:JO801

==== Contra

ctor Identification ===

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

CAGE:JO801

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  
=====

Effects of Overexposure:ACUTE-NONE 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

XIDIZER. MUST NOT BE HEATED/RUBBED IN CONTACT W/EASILY OXIDZD MTRL

===== 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 DUSTINGS DURING PROCESSING.

===== Exposure Control  
s/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 100:10 (A:B).  
KEY1:N1.

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

HCC:N1

Boiling Pt:B.P. Text:995F

Spec Gravity:4.2

Solubility in Wat

er: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.

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by e

lements 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.