

PRODUCTS RESEARCH & CHEMICAL CORPORATION -- MANGANESE DIOXIDE DISPERSION --
8030-00-762-8007

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

Product ID:MANGANESE DIOXIDE DISPERSION

MSDS Date:01/17/1989

FSC:8030

NIIN:00-762-8007

MSDS Number: BHDVB

=== Responsible Party ===

Company Name:PRODUCTS RESEARCH & CHEMICAL CORPORATION

Address:5430 SAN FERNANDO ROAD

Box:1800

City:GLENDALE

State:CA

ZIP:91209

Country:US

In

fo Phone Num:818-240-2060

Emergency Phone Num:800-228-5635

Preparer's Name:JCS

CAGE:8K647

=== Contractor Identification ===

Company Name:PRODUCTS RESEARCH & CHEMICAL CORPORATION

Address:5430 SAN FERNANDO RD

Box:1800

City:GLENDALE

State:CA

ZIP:91209

Country:US

Phone:800-228-5635

CAGE:8K647

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

Ingred Name:MAGNESIUM CHROMATE

CAS:13423-61-5

Fraction by Wt: 25%

OSHA PEL:0.5 MG/M3

ACGIH TLV:0.05 MG/M3

Ingred Name:1,3-DIPHENYL GUANADI

NE
CAS:102-06-7
RTECS #:MF0875000
Fraction by Wt: < 5%
OSHA PEL:NE
ACGIH TLV:NE

Ingred Name:MANGANESE DIOXIDE (AS MANGANESE)
CAS:1313-13-9
RTECS #:OP0350000
Fraction by Wt: 40%
OSHA PEL:C,5 MG/M3/1 FUME TWA
ACGIH TLV:5 MG/M3 DUST/1 FUME

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Explanation of Carcinogenicity:ALTHOUGH NOT DESIGNATED AS CANCER
CAUSING CHEM
. IT IS LISTED UNDER PROPOSITION 65 IN CA. INCLUDES ALL
HEXAVALENT CHROMIUM
Effects of Overexposure:EYE: STRONG IRR. POSSIBLE DAMAGE. SKIN: IRR.
ALLERGIC RASH IN SENSITIZED INDIVIDUALS. PROLONGED TO HEXAVALENT
CHROMIUM COMPOUNDS OVER PEL MAY CAUSE PAINLESS PENETRATING ULCERS
OF SKIN. INHAL:MAINHAZA RD OF MANGANESE IS BY BREATH OF DUST.
INGEST: MANGANESE POISONING. WEAK,SLEEPY. ULCERS OF MUCOUS MEMBRANE
OF NOSE/SEPTUM

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

=====
First Aid:EYES: FLUSH W/LUKE WARM WATER FOR 15 MIN., CONSULT PHYSICIAN.
SKIN: WASH W/SOAP & WATER. IF PERSIST, CONSULT A PHYSICIAN.
INHALATION: REMOVE TO FRESH AIR. OBTAIN MEDICAL ATTN. AND
INGESTION: CONSULT A PHYSICIAN.

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

Flash Point:NONE
Extinguishing Media:CO2, DRY CHEMICAL, FOAM, WATER FOG
Fire Fighting Procedures:USE AIR SUPPLIED RESPIRATOR
Unusual Fire/Explosion Hazard:NONE KNOWN

=====

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

Spill Release Procedures:SCOOP INTO CONTAINER. CLEAN-UP RESIDUE WITH 1,1,1-TRICHLOROETHANE.

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

Handling and Storage Precautions:WASH THOROUGHLY AFTER HANDLING & BEFORE SMOKING/ EATING. AVOID INGESTION. STORE BELOW 80 F.

Other Precautions:THIS PRODUCT CONTAINS A TOXIC CHEMICAL OR CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372.

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

Ventilation:GENERAL VENTILATION

Protective Gloves:SOLVENT RESISTANT GLOVES

Eye Protection:SAFETY GLASSES

Supplemental Safety and Health

NK

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

Boiling Pt:B.P. Text:NA

Vapor Pres:NA

Vapor Density:NA

Spec Gravity:1.8

Evaporation Rate & Reference:NA

Solubility in Water:NEGLIGIBL

E

Percent Volatiles by Volume:0

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

Stability Indicator/Materials to Avoid:YES

NK

Stability Condition to Avoid:EASILY OXIDIZABLE MATERIALS

Hazardous Decomposition Products:OXIDES OF CARBON, CHROMIUM COMPOUNDS

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

Waste Disposal Methods:EPA WASTE NO. D-007. DISPOSE OF SPILLAGE IN COMPLIANCE WITH FEDERAL AND STATE REGULATIONS

Disclaimer (provided with this infor

mation 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.