

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

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Info 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 GUANAD

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

Ingrid 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

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Hazards Identification
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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 CHE

M. 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

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First Aid Measures
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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.

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

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===== 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 O

F 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:NEGLIGIB

LE

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

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rmation by the compiling agencies):

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