

PRODUCTS RESEARCH & CHEMICAL CORP. -- PR-1440 C-20 MANGANESE DIOXIDE DISPERSION --  
8030-00-152-0012

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

Product ID:PR-1440 C-20 MANGANESE DIOXIDE DISPERSION

MSDS Date:03/04/1988

FSC:8030

NIIN:00-152-0012

MSDS Number: BKHFV

=== Responsible Party ===

Company Name:PRODUCTS RESEARCH & CHEMICAL CORP.

Address:5430 SAN FERNANDO ROAD

Box:1800

City:GLENDALE

State:CA

ZIP:9120

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Info Phone Num:(818) 240-2060

Emergency Phone Num:(818) 240-2060

CAGE:DO563

=== Contractor Identification ===

Company Name:PRC-DESOTO INTERNATIONAL, INC. A PPG INDUSTRIES COMPANY

Address:5430 SAN FERNANDO RD

Box:1800

City:GLENDALE

State:CA

ZIP:91209

Country:US

Phone:818-240-2060

CAGE:83574

Company Name:PRODUCTS RESEARCH & CHEMICAL

Address:NOW DBA COURTAULDS AEROSPACE

Box:1800

City:GLENDALE

State:CA

ZIP:91209

Phone:818-240-2060

CAGE:DO563

===== Composition/Information on Ingredients

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Ingred Name:MANGANESE DIOXIDE  
CAS:1313-13-9  
RTECS #:OP0350000  
Fraction by Wt: 60%  
OSHA PEL:5 MG/CUM  
ACGIH TLV:5 MG/CUM (MN)

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:SKIN/EYES: IRRITATION. INHALATION:  
HARMFUL. INGESTION: MANGANESE POISONING, WEAKNESS, & SLEEPINESS.  
Explanation of Carcinogenicity:NONE  
Effects  
of Overexposure:SKIN/EYES: IRRITATION. INHALATION: HARMFUL.  
INGESTION: MANGANESE POISONING, WEAKNESS, & SLEEPINESS.

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

First Aid:EYES: FLUSH W/WATER FOR 15 MINS. SKIN: WASH W/SOAP & WATER.  
INHALATION: REMOVE TO FRESH AIR. INGESTION: OBTAIN MEDICAL  
ATTENTION IN ALL CASES.

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

Flash Point:NON-FLAMMABLE  
Extinguishing Media:CO2, DRY CHEMICAL, FOAM, OR WATER  
Fire Fighting Procedures:USE WATER TO KEEP FIRE-EXPOSED CONTAINERS  
COOL. USE AIR SUPPLIED RESPIRATOR.  
Unusual Fire/Explosion Hazard:A HYDROCARBON VEHICLE MAY OXIDIZE &  
IGNITE DUE TO EXCESSIVE HEAT.

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

Spill Release Procedures:SCOOP INTO CONTAINERS. CLEAN UP RESIDUE  
W/1,1,1-TRICHLOROETHANE.

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

Handling and Storage Precautions:AVOID INGESTION.

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Exposure Controls/Personal Protection  
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Respiratory Protection:USE AIR SUPPLIED RESPIRATOR.

Ventilation:GENERAL VENTILATION.

Protective Gloves:SOLVENT RESISTANT

Eye Protection:SAFETY GLASSES

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING & BEFORE SMOKING  
OR EATING.

Supplemental Safety and Health

THE EXPOSURE LIMITS ARE BASED ON THE MEASUREMENT OF AIRBORNE PARTICLES.

IN THIS PRODUCT, THIS MATERIAL IS PRESENT IN A FULLY ENCAPSULATED  
FORM & THEREFORE AIRB

ORNE PARTICLES WON'T RESULT FROM NORMAL U SE.

THIS PRODUCT CONTAINS A TOXIC CHEMICAL/CHEMICALS SUBJECT TO  
SUPERFUND AMENDMENTS & REAUTHORIZATION ACT OF 1986.

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Physical/Chemical Properties  
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Spec Gravity:1.95

Solubility in Water:NEGLIGIBLE

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Stability and Reactivity Data  
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Stability Indicator/Materials to Avoid:YES

EASILY OXIDIZABLE MATERIALS

Stability Condition to Avoid:EXCESSIVE HEAT

Hazardous Decomposition Produ

cts:CO, CO2, NITROGEN OXIDES, MANGANESE  
COMPOUNDS, & MANGANESE DIOXIDE

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Disposal Considerations  
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Waste Disposal Methods:DISPOSE OF AS NON-HAZARDOUS WASTE ACCORDING TO  
STATE, FEDERAL, LOCAL REGULATIONS.

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