

PRODUCTS RESEARCH & CHEMICAL CORPORATION -- PR-1440, PART A -- 8030-00-753-5003  
===== Product Identification =====

Product ID:PR-1440, PART A

MSDS Date:12/06/1989

FSC:8030

NIIN:00-753-5003

MSDS Number: BLLVS

=== Responsible Party ===

Company Name:PRODUCTS RESEARCH & CHEMICAL CORPORATION

Address:5430 SAN FERNANDO ROAD

Box:1800

City:GLENDALE

State:CA

ZIP:91209

Country:US

Info Phone Num:818-240-2060

Emergency Phone Num:800-424-9300 CHEM/800-228-5635 MED

Preparer's Name:AS

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 Ingre

dients =====

Ingred Name:MANGANESE DIOXIDE (EXPOS LIM BASED ON AIRBORNE PARTICLES.  
IN THIS PRODUCT MAT'L IS FULLY ENCAPSULATED-NO AIRBORNE PART)

CAS:1313-13-9

RTECS #:OP0350000

Fraction by Wt: 60%

Other REC Limits:NONE SPECIFIED

OSHA PEL:5 MG/M3 STEL CEILING

ACGIH TLV:5 MG/M3

Ingred Name:1,3 DIPHENYL GUANIDINE (DPG)

CAS:102-06-7

RTECS #:MF0875000

Fraction by Wt: < 5%

Other REC Limits:NONE SPECIFIED

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

LD50 LC50 Mi

xture:E CAUS912

Health Hazards Acute and Chronic:0-424-9300 CHEM/800-228-5635 MED

818-240- 2060 AS PRODUCTS RESEARCH & CHEMICAL CORP

Explanation of Carcinogenicity:MIL-S-8802

Effects of Overexposure:CL A-2, TY II N/K N/K N/K NA 1.95 NA N/K NA N/K

UNK NEGLIGIBLE N/K N/K N/K N/K NONE N/K NA NA CO2, DRY CHEMI

Medical Cond Aggravated by Exposure:CAL, FOAM, WATER. USE AIR SUPPLIED  
RESPIRATOR. USE WATER TO COOL HEAT EXPOSED CONTAINERS.

===== First Aid Measures ==

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First Aid:EXCESSIVE HEAT MAY CAUSE DECOMPOSITION OF MANGANESE DIOXIDE,  
RESULTING IN OXIDIZATION AND POSSIBLE IGNITION OF HYDROCARBON  
VEHICLE. YESN/K EASILY OXIDIZABLE MATERIALS.

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

Flash Point:NONE

Lower Limits:NA

Upper Limits:NA

Extinguishing Media:CO2, DRY CHEMICAL, FOAM, WATER.

Fire Fighting Procedures:USE AIR SUPPLIED RESPIRATOR. USE WATER TO COOL  
HEAT EXPOSED CONTAINERS.

Unusual Fire/Explo

sion Hazard:EXCESSIVE HEAT MAY CAUSE DECOMPOSITION OF  
MANGANESE DIOXIDE, RESULTING IN OXIDIZATION AND POSSIBLE IGNITION  
OF HYDROCARBON VEHICLE.

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

Supplemental Safety and Health  
KEY1:N1.

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

HCC:F3  
Boiling Pt:B.P. Text:NA  
Vapor Pres:NA  
Vapor Density:NA  
Spec Gravity:1.95  
Evaporation Rate & Reference:UNK  
Solubility in Water:NEGLIGIBLE

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

Stability Indicator/Materials to Avoid:YES  
EASILY OXIDIZABLE MATERIALS.  
Hazardous Decomposition Products:PR-1440, PART A FM  
06DEC8911JUN91GSASEALING COMPOUND, POLYSULFIDE RUBBER PAR  
Conditions to Avoid Polymerization:OF 2 PRODUCTS RESEARCH & CHEMICAL  
CORPORATION 5430 SAN FERNANDO ROAD 1800 GLENDAL

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