

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

Product ID:PR-1440, PART A

MSDS Date:12/06/1989

FSC:8030

NIIN:00-753-5010

MSDS Number: BLLVZ

=== 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 CHEMTREC/800-228-5635

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 Ingredients =====

Ingred Name:MANGANESE DIOXIDE (EXPOS LIM B

ASED 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 Mixture: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 A1/2, TY II N/K N/K N/K
NA 1.95 NA N/K NA N/K
UNK NEGLIGIBLE N/KN/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 =====

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/Explosion 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

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

HCC:N1

Boiling Pt:B.P. Text:NA

Vapor Pres:NA

Vapor Density:NA

Spec Gravity:1.95

Evaporatio

n 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

Disclaimer (provided with thi
s information 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.