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Product Identification  
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Product ID:PR-1440, PART A

MSDS Date:12/06/1989

FSC:8030

NIIN:00-723-2746

Kit Part:Y

MSDS Number: BKMGB

=== 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 ME

D

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

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Composition/Information on Ingredients  
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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 =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of

Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYES/SKIN: IRRITATION. INHALATION:

ALTHOUGH THE MAIN HAZARD OF MANGANESE COMPOUNDS IS BY BREATHING DUST, INGESTION SHOULD BE AVOIDED AS A PRECAUTION AGAINST MANGANESE POISONING. SYMPTOMS OF MANGANESE POISONING ARE WEAKNESS AND SLEEPINESS.

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

First Aid:EYES: FLUSH WITH LUKEWARM WATER FOR 15 MINUTES. IF SYMPTOMS PERSIST, CONSULT PHYSICIAN.

SKIN: WASH WITH SOAP AND WATER. IF

SYMPTOMS PERSIST, CONSULT A PHYSICIAN. INHALATION: REMOVE TO FRESH AIR. IF SYMPTOMS ARE PRESENT, CONSULT A PHYSICIAN. INGESTION: CONSULT A PHYSICIAN.

===== 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 H

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

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

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

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

Ventilation:GENERAL VENTILATION

Protective Gloves:SOLVENT RESISTANT GLOVES

Eye Protection:SAFETY GLASSES

Work Hygiene

Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE  
SMOKING OR EATING. AVOID INGESTION.

Supplemental Safety and Health

KEY1:N1. 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 PA  
RT 372 (SARA 313).

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

HCC:N1

Boiling Pt:B.P. Text:NA

Vapor Pres:NA

Vapor Density:NA

Spec Gravity

ty: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:OXIDES OF CARBON AND NITROGEN,  
MANGANESE COMPOUNDS.

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

Waste Disposal Methods:NOT A HAZARDOUS WASTE ACCORDING TO EPA  
REGULATIONS. CONSULT STATE REGULATIONS PRIOR TO DISPOSAL

OF  
SPILLAGE.

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