

PRODUCTS RESEARCH & CHEMICAL CORPORATION -- PR-1431-G TYPE II (MIXED) --  
8030-00-680-2415

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

Product ID:PR-1431-G TYPE II (MIXED)

MSDS Date:12/11/1985

FSC:8030

NIIN:00-680-2415

Kit Part:Y

MSDS Number: BHWBV

=== 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:1-818-240-2060

Emergency Phone Num:1-800-228-5635

Preparer's Name:DJ

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/Informa

tion on Ingredients =====

Ingred Name:TOLUENE (SARA III)  
CAS:108-88-3  
RTECS #:XS5250000  
Other REC Limits:(CALOSHA 100 PPM)  
OSHA PEL:200 PPM/150 STEL  
ACGIH TLV:50 PPM; 9293  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:CALCIUM DICHROMATE  
CAS:14307-33-6  
RTECS #:HX7630000  
Other REC Limits:(CALOSHA 0.05 MG/M3)  
OSHA PEL:0.5 MG/M3  
ACGIH TLV:0.5 MG/M3

Ingred Name:MAGNESIUM DICHROMATE  
CAS:13423-61-5  
Other REC Limits:(CALOSHA 0.05 MG/M3)  
OSHA PEL:0.5 MG/M3  
ACGIH TLV:0.5 MG/M3

Ingred  
Name:PHENOL POLYMER WITH FORMALDEHYDE  
(PHENOLIC RESIN)  
CAS:9003-35-4  
OSHA PEL:NE  
ACGIH TLV:NE

Ingred Name:4-4-ISOPROPYLIDENE PHENOL-EPICHLOROHYDRIN POLYMER  
(EPOXY RESIN)  
CAS:25068-38-6  
RTECS #:KC2100000

Ingred Name:MAGNESIUM DICHROMATE  
CAS:13423-61-5  
Other REC Limits:(CALOSHA 0.05 MG/M3)  
OSHA PEL:0.5 MG/M3  
ACGIH TLV:0.5 MG/M3

Ingred Name:CALCIUM CARBONATE (MARBLE) (LIMESTONE)  
CAS:1317-65-3  
RTECS #:EV9580000  
Other REC Limits:(CALOSHA 10 MG/M3)  
OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9192

Ingred Name:TITANIUM DIOXIDE

CAS:13463-67-7

RTECS #:XR2275000

Other REC Limits:(CALOSHA 10 MG/M3)

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:ALUMINUM SILICATE

CAS:22700-90-3

Other REC Limits:(CALOSHA 20 MG/M3)

OSHA PEL:15 MG/M3

ACGIH TLV:10 MG/M3

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Health Hazards Acute and Chronic:PROLONGED EXPOSURE CAN CAUSE LIVER AND KIDNEY DAMAGE.

Effects of Overexposure:EYES: IRRITATION. SKIN: LOCAL IRRITATION. MAY CAUSE ALLERGIC SKIN RASH IN SENSI-TIZED INDIVIDUALS. INHALATION: IRRITATION TO NOSE AND THROAT. PROLONGED EXPOSURE ABOVE PEL MAY CAUSE HEADACHE, FATIGUE, CONFUSION, DIZZ, DROWS, NUMB & UNCONSCIOUS LIVER & KIDNEY DAMAGE. INGESTION: MAY CAUSE NAUSEA, VOMIT, LIVER & KIDNEY DAMAGE

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

First Aid:EYES: FLUSH WITH LUKE WARM WATER FOR 15 MINUTES. IF SYMPTOMS

PERSIST, CONSULT PHYSICIAN. SKIN: WASH WITH SOAP & WATER. IF SYMPTOMS PERSIST, CONSULT PHYSICIAN. INHALATION: REMOVE TO FRESH AIR. IF SYMPTOMS ARE PRESENT CONSULT A PHYSICIAN. AND INGESTION: CONSULT A PHYSICIAN.

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

Flash Point Method:PMCC

Flash Point:60 F/ 16 C

Lower Limits:1.2

Upper Limits:7.0 TOLUENE

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

Fire Fighting Procedures:US

E COMPLETE PERSONAL PROTECTION.  
Unusual Fire/Explosion Hazard:NONE KNOWN.

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

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

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

Handling and Storage Precautions:WASH THOROUGHLY AFTER HANDLING AND BEFORE SMOKING OR EATING. AVOID INGESTION.

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

Respiratory Protection:GENERAL VENTILATION TO MAINTAIN VAPOR BELOW PEL.  
Ventilation:GENERAL VENTILATION TO MAINTAIN VAPOR BELOW PEL.  
Protective Gloves:SOLVENT RESISTANT GLOVES.  
Eye Protection:SAFETY GLASSES.  
Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE SMOKING OR EATING.AVOID INGESTION.  
Supplemental Safety and Health  
TESTING BY THE BUREAU OF EXPLOSIVES, CONDUCTED ACCORDING TO THE U.S. DEPARTMENT OF TRANSPORTATION REGULATIONS, HAS DEMONSTRATED THAT  
THIS MATERIAL IS NOT CLASSIFIED AS A LIQUID & IS NOT SUFFICIENTLY IGNITABLE TO BE CLASSIFIED AS A FLAMMABLE SOLID. THEREFORE, IT IS NOT REGULATED AS A FLAMMABLE MATERIAL FOR TRANSPORTATION.

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

Boiling Pt:B.P. Text:NA  
Vapor Density:3.2 TOLUENE  
Spec Gravity:1.5  
Evaporation Rate & Reference:2.0 (TOLUENE)  
Solubility in Water:NEGLIGIBLE  
Percent Volatiles by Volume:8.5

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

a =====

Stability Indicator/Materials to Avoid: YES

NK

Hazardous Decomposition Products: OXIDES OF CARBON, SO<sub>2</sub>, TRACES OF H<sub>2</sub>S,  
CHROMIUM COMPOUNDS.

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

Waste Disposal Methods: EPA WASTE NO. D-007. DISPOSE OF SPILLAGE IN COM-  
PLIANCE WITH FEDERAL AND STATE REGULATIONS.

Disclaimer (provided with this 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.