

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

Product ID:PR-1422 A-1/2,PART A

MSDS Date:01/25/1989

FSC:8030

NIIN:01-154-3866

Kit Part:Y

MSDS Number: BGP GG

=== 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; FAX 818-549-7862

Emergency Phone Num:800-2

28-5635

Preparer's Name:AS

CAGE:DO563

=== Contractor Identification ===

Company Name:CHEMICAL COMMODITIES AGENCY, INC.

Address:27447 PACIFIC STREET

Box:City:HIGHLAND

State:CA

ZIP:92346-2640

Country:US

Phone:909-864-2310

CAGE:60777

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:DIMETHYLFORMAMIDE
CAS:68-12-2
RTECS #:LQ2100000
Fraction by Wt: 25%
Other REC Limits:NONE SPECIFIED
OSHA PEL:S, 10 PPM
ACGIH TLV:S, 10 PPM; 9192
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:MAGNESIUM DICHROMATE
CAS:13423-61-5
Fraction by Wt: 25%
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.5 MG/M3
ACGIH TLV:0.05 MG/M3 TWA

Ingred Name:CALCIUM DICHROMATE
CAS:14307-33-6
RTECS #:HX7630000
Fraction by Wt: 15%
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.5 MG/M3
ACGIH TLV:0.05 MG/M3 TWA

===== 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:PRODUCT IS EXTREMELY IRRITATING TO
BODY TISSUES. IT MAY ALSO BY PROLONGED/REPEATED CONTACT CAUSE
PAINLESS PENETRATING ULCERS. PRODUCT CONTAINS CHRO

MIUM COMPOUNDS.

HMIS BELIEVES THESE QUALIFY AS BEING LISTED BY NTP & IARC EVEN
THOUGH NOT NAMED SPECIFICALLY.

Explanation of Carcinogenicity:MFR STATES INGRED ARE NOT LISTED. NOTE
THAT PRODUCT CONTAINS CHROMIUM COMPOUNDS,LISTED BY IARC & NTP. SEE
HEALTH HAZARDS

Effects of Overexposure:EYE:EXTREME IRRITATION.MAY CAUSE PERMANENT
DAMAGE. SKIN:IRRITATION.PROLONGED EXPOSURE MAY CAUSE ULCERS.
INHALED:IRRITATION,ASTHMA,DIZZINESS,FATIGUE,SLEEPINESS. MAY ALSO
CAUSE ULCERS OF

MUCOUS MEMBRANE S. INGESTED:G/I

IRRITATION,NAUSEA,VOMITING,DIARRHEA. MAY CAUSE LIVER,KIDNEY DAMAGE.

Medical Cond Aggravated by Exposure:NONE REPORTED

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

First Aid:EYE:FLUSH WITH WATER. SKIN:WASH WITH SOAP & WATER.
INHALED:REMOVE FROM EXPOSURE. INGESTED:GET MEDICAL ATTENTION. ALSO
IF ANY SYMPTOMS ARE SEVERE OR PERSISTS, GET MEDICAL ATTENTION.

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

Flash

Point Method:PMCC

Flash Point:NONE

Extinguishing Media:CARBON DIOXIDE,DRY CHEMICAL,FOAM,WATER FOG

Fire Fighting Procedures:USE COMPLETE PERSONAL PROTECTION.

Unusual Fire/Explosion Hazard:NONE KNOWN

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

Spill Release Procedures:ABSORB SPILL WITH NON-OXIDIZABLE ABSORBANT.
SPRINKLE ON THIOSULFATE AND MIX IN. SCOOP INTO CONTAINERS FOR
DISPOSAL.

Neutralizing Agent:SODIUM THIOSULFATE

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

Handling and Storage Precautions:STORE IN COOL,DRY AREA.PROTECT FROM
DAMAGE.

Other Precautions:DO NOT INCINERAE CONTAINERS (EMPTY OR FULL); KEEP
AWAY FROM HEAT & OPEN FLAME. AVOID PROLONGED SKIN CONTACT. AVOID
BREATHING OF VAPORS.

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

Respiratory Protection:USE NIOSH RESPIRATOR EQUIPPED WITH ORGANIC VAPOR
CARTRIDGE OR SUPPLIED AIR RESPIRATOR IF EXPOSED ABOVE TLV.

Ventilation:USE COMBINATIO

N OF LOCAL/GENERAL EXHAUST TO MAINTAIN
EXPOSURES BELOW TLV.

Protective Gloves:NITRILE,BUTYL,NATURAL RUBBER

Eye Protection:GOGGLES

Other Protective Equipment:PROTECT AREAS OF BODY AT RISK OF SPLASHES
WITH NITRILE CLOTHING,AND USES FULL FACE SHIELD IF SPLASH HAZARD
EXISTS.

Work Hygienic Practices:USE VERY STRICT CHEMICAL HYGIENE PRACTICE.

AVOID SKIN CONTACT DUE TO ABSORPTION HAZARD.

Supplemental Safety and Health

KEY 1:N1. THIS IS PART A OF A TWO PART KIT, SAME NSN.

=====

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

HCC:F2

Spec Gravity:1.51

Solubility in Water:COMPLETE

Appearance and Odor:LIQUID,PENETRATING ODOR

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

Stability Indicator/Materials to Avoid:YES

EASILY OXIDIZED MATERIALS

Stability Condition to Avoid:NONE REPORTED

Hazardous Decomposition Products:NORMAL PRODUCTS OF COMBUSTION PLUS
CHROMIUM COMPOUNDS.

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

Wa

ste Disposal Methods:DISPOSE I/A/W FEDERAL,STATE,LOCAL 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.