

PRC-DESOTO INTERNATIONAL, INC. A PPG INDUSTRIES COMPANY -- FMR1003, PASA-JELL 107
CLEANING COMPONENT -- 6850-01-251-3289

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

Product ID:FMR1003, PASA-JELL 107 CLEANING COMPONENT

MSDS Date:11/10/1999

FSC:6850

NIIN:01-251-3289

Status Code:A

MSDS Number: CLHSY

=== Responsible Party ===

Company Name:PRC-DESOTO INTERNATIONAL, INC. A PPG INDUSTRIES COMPANY

Address:5430 SA

N FERNANDO RD

Box:1800

City:GLENDALE

State:CA

ZIP:91209

Country:US

Info Phone Num:818-240-2060

Emergency Phone Num:(800) 228-5635

Chemtrec Ind/Phone:(800)424-9300

CAGE:83574

=== 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:TELECHEM INTERNATIONAL, INC

Address:524 E WEDDELL DRIVE SUITE 3

Box:City:SUNNYVALE

State:CA

ZIP:94

089-2115
Country:US
Phone:916-941-3688
Contract Num:SP0411-01-M-EP32
CAGE:1KH20

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Composition/Information on Ingredients
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Ingred Name:NITRIC ACID
CAS:7697-37-2
RTECS #:QU5775000
Minumum % Wt:10.
Maxumum % Wt:30.
OSHA PEL:5 MG/M3;2 PPM
OSHA STEL:4 PPM
ACGIH TLV:5.2 MG/M3;2 PPM
ACGIH STEL:10 MG/M3;4 PPM
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:CHROMIC ACID
CAS:7738-94-5
RTECS #:GB2450000
Minumum % Wt:1.
Maxumum % Wt:10.
OSHA PEL:0.1 MG/M3
ACGIH TLV:0.05 M
G/M3
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:HYDROFLUOROSILICIC ACID
CAS:16961-83-4
RTECS #:VV8225000
< Wt:5.
OSHA PEL:2.5 MG/M3
ACGIH TLV:2.5 MG/M3

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Hazards Identification
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LD50 LC50 Mixture:ORAL, RAT, LD50:52 MG/KG(CHROMIC ACID)
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:INHALATION: VAPOR OR MIST CAN CAUSE
IRRITATION OF NASAL SEPTUM AND RESPIRATORY TRACT. EYE CONTACT:
LIQUID CAN

CAUSE SEVERE BURNING AND PERMANENT DAMAGE TO EYES. LOW LEVEL OF EXPOSURE MAY CAUSE IRRITATION OR CONJUNCTIVITIS. SKIN CONTACT: LIQUID CAN CAUSE PERMANENT SKIN DAMAGE. IT CAN ALSO CAUSE REDNESS, BURNING AND SWELLING OF SKIN, BURNS AND OTHER SKIN DAMAGE. INGESTION: LIQUID MAY BE HARMFUL OR FATAL. IT CAN CAUSE SEVERE STOMACH AND INTESTINAL IRRITATION, ABDOMINAL PAIN AND VOMITING OF BLOOD. IF SWALLOWED, MAY CAUSE BURNS AND DESTROY TISSUE IN THE MOUTH, THROAT AND DIGEST

IVE TRACT. (CONTD. SEE "ECOLOGICAL")

Explanation of Carcinogenicity:CHROMIUM COMPOUNDS (CHROMIC ACID): NTP AND IARC HAVE DETERMINED THAT THERE IS SUFFICIENT EVIDENCE FOR THE CARCINOGENICITY OF HEXAVALENT CHROMIUM COMPOUNDS BOTH IN HUMANS AND EXPERIMENTAL ANIMALS.

Effects of Overexposure:INHALATION: IRRITATION OF THE NASAL SEPTUM AND RESPIRATORY TRACT. EYE CONTACT: SEVERE BURNINGAND PERMANENT DAMAGE. LOW LEVEL OF EXPOSURE: IRRITATION OR CONJUNCTIVITIS. SKIN CONTACT: SKIN

DAMAGE, REDNESS, BURNING, SWELLING, BURNS, DAMAGE. INGESTION: HARMFUL, FATAL, SEVERE STOMACH AND INTESTINAL IRRITATION, ABDOMINAL PAIN, VOMITING OF BLOOD, BURNS AND DESTROYED TISSUE IN MOUTH, THROAT, AND DIGESTIVE TRACT. REPEATED OVEREXPOSURE: CNS DEPRESSION, KIDNEY AND LIVER DAMAGE.

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

First Aid:INHALATION: MOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. GET MEDICAL ATTENTION. IF BREATHING

DIFFICULT, TRANSPORT TO MEDICAL FACILITYAND, GIVE OXYGEN. EYE CONTACT: FLUSH FOR 15 MINUTES WITH WATER. HOLD EYELIDS APART TO ENSURE RINSING EYE SURFACE AND LIDS. GET MEDICAL ATTENTION. SKIN CONTACT: WIPE OFF EXCESS WITH DRY TOWEL. THEN WASH EXPOSED AREAS WITH WATER AND SOAP. GET MEDICAL ATTENTION IF IRRITATION OCCURS. INGESTION: DILUTE BY GIVING 2 GLASSES WATER TO DRINK. GET MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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

Flash Point:NOT FLAMMABLE

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

Fire Fighting Procedures:USE COMPLETE PERSONAL PROTECTION. USE WATER TO COOL HEAT EXPOSED CONTAINERS.

Unusual Fire/Explosion Hazard:DECOMPOSITION AND COMBUSTION PRODUCTS MAY BE HAZARDOUS. NO UNUSUAL HAZARDS KNOWN.

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

Spill Release Procedures:DIKE AND COVER SPILL WITH NON-

OXIDIZABLE

ABSORBENT. SCOOP INTO CONTAINERS. SPRINKLE SODIUM THIOSULFATE ON THE RESIDUE AND WORK IN. SCOOP INTO DISPOSAL CONTAINER. CLEAN UP WITH WATER. WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT. DILUTE WITH WATER. NEUTRALIZE WITH SODIUM CARBONATE OR SODA ASH.

Neutralizing Agent:SODIUM THIOSULFATE, SODIUM CARBONATE OR SODA ASH.

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

Handling and Storage Precautions:THIS MATERIAL IS IN A GEL FORM AND WILL ADHERE TO SKIN AND CLOTHING. AVOID CONTACT. STORE IN TIGHTLY CLOSED CONTAINERS IN A COOL, DRY AREA. KEEP AWAY FROM EASILY OXIDIZABLE MATERIALS. WEAR PROPER PERSONAL PROTECTIVE EQUIPMENT. WASH THOROUGHLY AFTER HANDLING AND BEFORE SMOKING OR EATING.

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

Respiratory Protection:USE AN ACID RESISTANT CHEMICAL CARTRIDGE RESPIRATOR OR AN AIR-SUPPLIED RESPIRATOR WHEN APPLYING IN ANY CIRCUMSTANCES LIKELY TO PRODUCE AIRBORNE LEVELS OF VAPOR IN EXCESS OF THE TLV.

Ventilation:GOOD GENERAL MECHANICAL VENTILATION.

Protective Gloves:COMPLETE ACID RESISTANT GLOVES AND CLOTHING.

Eye Protection:CHEMICAL GOGGLES OR FULL-FACE SHIELD.

Other Protective Equipment:SAFETY SHOWER, EYE WASH STATION AND WASHING FACILITIES SHOULD BE AVAILABLE. WHEN USING IN CIRCUMSTANCES WHERE SKIN CONTACT IS LIKELY, USE COMPLETE PROTECTIVE GARMENTS.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE SMOKING OR EATING.

Supplemental Safety and Health

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

HCC:C1

Boiling Pt:=100.6C, 213.F

Spec Gravity:1.1 (9.6 LBS/GAL)

Appearance and Odor:RED GEL

Percent Volatiles by Volume:0

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS, AMINES, BASES, ALKALIS.

Stability Condition to Avoid:PRODUCTS OF COMBUSTION ARE HAZARDOUS INCLUDING CARBON MONOXIDE, CARBON DIOXIDE

DE, AND OXIDES OF NITROGEN..

Hazardous Decomposition Products:PRODUCTS OF COMBUSTION ARE HAZARDOUS INCLUDING CARBON MONOXIDE, CARBON DIOXIDE, AND OXIDES OF NITROGEN.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Toxicological Information =====

Toxicological Information:ACUTE ORAL, DERMAL, AND INHALATION EFFECTS

(LD50 AND LC50):NITRIC ACID (7697 -37-2): LD50 AND LC50: NOT

AVAILABLE. CHROMIC ACID (7738-94-5): ORAL, RAT, LD50 = 52 MG/KG;

RAT

, 1 HR, LC50 = 217 MG/M3. HY DROFLUOSILICIC ACID (16961-83-4):

ORAL, GUINEA PIG, LD50 = 200 MG/KG; LC50= NOT AVAILABLE. PROLONGED OR REPEATED EYE CONTACT MAY CAUSE CONJUNCTIVITIS; SKIN CONTACT, ESPECIALLY WITH BROKEN SKIN, MAY CAUSE "CHROME SORES"; INHALATION OF CHROMIC ACID MIST MAY CAUSE ULCERATION AND PERFORATION OF NASAL SEPTUM. PROLONGED INHALATION MAY CAUSE LIVER DAMAGE. NOTE: THERE ARE NO DATA AVAILABLE ON THE PRODUCT ITSELF.

===== Ecological I

nformation =====

Ecological:THERE ARE NO DATA AVAILABLE ON THE PRODUCT ITSELF. (CONTD. FROM HEALTH HAZARDS) DELAYED EFFECTS: REPEATED OVEREXPOSURE MAY CAUSE CENTRAL NERVOUS SYSTEMS DEPRESSION, AND KIDNEY / LIVER DAMAGE. CLEAN AIR ACT - HAZARDOUS AIR POLLUTANTS (CAA SECTION 112): THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS REGULATED UNDER SECTION 112 FOR NATIONAL EMISSION STANDARDS OF HAZARDOUS AIR POLLUTANTS NOTIFICATION. CHROMIC ACID (7738-94-5).

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

Waste Disposal Methods:WHEN DISPOSING OF THIS MATERIAL, ENSURE THAT IT IS PACKAGED, STORED, TRANSPORTED, AND OTHERWISE HANDLED IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. EPA WASTE NUMBERS: D007 (CHROMIUM).

===== MSDS Transport Information =====

Transport Information:DOT (NON-BULK): PROPER SHIPPING NAME: CORROSIVE LIQUID, ACEDIC, INORGANIC, N.O.S., NITRIC ACID, CHROMIC

ACID;

CLASS: 8; UN 3264; PKG: I I; LABEL: CORROSIVE. SPECIAL NOTES: NONE.

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===== Regulatory Information =====

SARA Title III Information:SECTION 313 - TOXIC CHEMICAL LIST (TCL):

THIS PRODUCT CONTAINS A TOXIC CHEMICAL FOR ROUTINE ANNUAL "TOXIC CHEMICAL RELEASE REPORTING" UNDER SECTION 313 (40CFR 372). THIS INFORMATION MUST BE INCLUDED IN ALL MSDS'S COPIED OR DISTRIBUTED FOR THIS PRODUCT. NITRIC ACID (7697-37-2); CHROMIC ACID (7738-94-5).

SECTION 302 - CERCLA: THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS REGULATED UNDER SECTION 302 AS EXTREMELY HAZARDOUS SUBSTANCES FOR EMERGENCY RELEASE NOTIFICATION (CERCLA LIST). NITRIC ACID (7697-37-2), 1,000 LBS; CHROMIC ACID (7738-94-5),10 LBS.

Federal Regulatory Information:TSCA SECTION 12 (B) - EXPORT NOTIFICATION: THIS PRODUCT CONTAINS FOLLOWING CHEMICAL THAT REQUIRED ANNUAL OR ONE TIME EXPORT NOTIFICATION PER CHEMICAL AND PER COUNTRY. CHROMIC ACID (7738-94-5).

State

California Regulatory Information:CALIFORNIA PROPOSITION 65 - REPORTABLE INGREDIENTS: CHEMICALS KNOWN BY THE STATE OF CA TO CAUSE CANCER:THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL WHICH IS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER. CHROMIC ACID (7738-94-5). CHEMICALS KNOWN BY THE STATE OF CA TO CAUSE REPRODUCTIVE TOXICITY: THIS PRODUCT DOES NOT CONTAIN ANY CHEMICALS CURRENTLY ON THE CALIFORNIA LIST OF KNOWN REPRODUCTIVE TOXINS. PENNSYLVANIA RIGHT TO KNOW - REPORTABLE

INGREDIENTS: NITRIC ACID (7697-37-2); CHROMIC ACID (7738-94-5). NEW JERSEY RIGHT TO KNOW - REPORTABLE INGREDIENTS: NITRIC ACID (7697-37-2); CHROMIC ACID (7738-94-5).

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===== Other Information =====

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