

PARKER+AMCHEM HENKEL CORPORATION -- ALODINE 1200S -- 8030-00-720-9739

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Product Identification
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Product ID:ALODINE 1200S

MSDS Date:09/21/1988

FSC:8030

NIIN:00-720-9739

MSDS Number: BTSGJ

=== Responsible Party ===

Company Name:PARKER+AMCHEM HENKEL CORPORATION

Address:32100 STEPHENSON HIGHWAY

City:MADISON HEIGHTS

State:MI

ZIP:48071

Country:US

Info Phone Num:313-583-9300

Emergency Phone Num

:313-583-9300

CAGE:LO850

=== Contractor Identification ===

Company Name:PARKER+AMCHEM HENKEL CORPORATION

Address:32100 STEPHENSON HIGHWAY

Box:City:MADISON HEIGHTS

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Composition/Information on Ingredients
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Ingred Name:CHROMIC ACID

CAS:1333-82-0

RTECS #:GB6650000

Fraction by Wt: 50-60% %

Other REC Limits:NONE RECOMMENDED

OSHA PEL:100 MICRO GRAMS/M3

ACGIH TLV:50 MICRO GRAMS/M3

Ingred Name:SODIUM FLUORIDE (SAR

A III)
CAS:7681-49-4
RTECS #:WB0350000
Fraction by Wt: 5-10% %
Other REC Limits:NONE RECOMMENDED
OSHA PEL:2.5 PPM (F)
ACGIH TLV:2.5 MG (F)/M3; 9394
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:ZIRCONIUM POTASSIUM FLUORIDE (SARA III)
CAS:16923-95-8
RTECS #:ZH7028400
Fraction by Wt: 5-10% %
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5 MG (ZR)/M3
ACGIH TLV:5MG(ZR)/M3/10STEL;94
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:POTASSIUM FERROCYANIDE
CAS:13746-66-2
RTECS #:LJ8225000
F
raction by Wt: 10-15% %
Other REC Limits:NONE RECOMMENDED
ACGIH TLV:5 MG/M3

Ingred Name:POTASSIUM BOROFLUORIDE
CAS:14075-53-7
RTECS #:ED2800000
Fraction by Wt: 20-30% %
Other REC Limits:NONE RECOMMENDED
OSHA PEL:2.5 MG/M3 AS F
ACGIH TLV:2.5 MG/M3 AS F

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

LD50 LC50 Mixture:NOT GIVEN FOR PRODUCT AS A WHOLE
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Haza

Effects Acute and Chronic: INHALATION OF DUST MAY IRRITATE RESPIRATORY TRACT. EYE CONTACT MAY RESULT IN LOSS OF VISION WITH SEVERE BURNS. SKIN CONTACT IS CORROSIVE TO TISSUES. INGESTION COULD RESULT IN TISSUE DESTRUCTION OF THE DIGESTIVE TRACT AND SEVERE IRRITATION IN THE RESPIRATORY TRACT. PROLONGED OR REPEATED SKIN CONTACT CAUSES CHROME SORES.

Explanation of Carcinogenicity: THIS COMPOUND CONTAINS CHROMIC ACID FOR WHICH THERE IS SUFFICIENT EVIDENCE FOR THE CARCINOGENICITY IN

HUMANS.

Effects of Overexposure: RESPIRATORY TRACT IRRITATION, VISION LOSS, EYE IRRITATION, TISSUE/SKIN BURNS, DESTRUCTION OF GI TRACT, CHROME SORES, LIVER DAMAGE, KIDNEY DAMAGE, DERMATITIS, ULCERATION AND PERFORATION OF THE NASAL SEPTUM.

Medical Conditions Aggravated by Exposure: PRE-EXISTING SKIN AND/OR RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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

First Aid: EYES: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION. DRINK LARGE QUANTITIES OF WATER.

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

Flash Point: NONFLAMMABLE

Lower Limits: NOT GIVEN

Upper Limits: NOT GIVEN

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Extinguishing Media: WATER

Fire Fighting Procedures: FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard: VIOLENT REACTIONS MAY OCCUR WITH ORGANIC MATERIALS OR REDUCING AGENTS.

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

Spill Release Procedures: TRANSFER ANY EXCESS TO A CLEAN POLYETHYLENE CONTAINER. TREAT THE RESIDUE WITH

WITH A DILUTE SOLUTION OF
METABISULFITE TO REDUCE CHROME. NEUTRALIZE WITH LIME TO PH=7-8.
Neutralizing Agent:LIME

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

Handling and Storage Precautions:STORE IN A COOL, DRY PLACE WITH
ADEQUATE VENTILATION. KEEP AWAY FROM OPEN FLAMES AND HIGH
TEMPERATURES.

Other Precautions:DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. FOR
INDUSTRIAL USE ONLY. AVOID SKIN CONTACT. LAUNDER CONTAMINATED
CLOTHING BEFORE REUSE.

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

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION
EXPOSURES BELOW PEL (TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS PER
CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH RESPIRATOR
SELECTION.

Ventilation:LOCAL EXHAUST AND MECHANICAL (GENERAL) VENTILATION TO
MAINTAIN EXPOSURE LEVELS.

Protective Gloves:NEOPRENE, POLYVINYL

Eye Protection:SAFETY GLASSES OR GOGGLES

Other Protective Equipment:PROTECTIVE
CLOTHING AS REQUIRED TO AVOID

SKIN CONTACT. AN EMERGENCY EYE WASH STATION AND SHOWER SHOULD BE
AVAILABLE.

Work Hygienic Practices:WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT
AND BEFORE EATING DRINKING OR SMOKING.

Supplemental Safety and Health

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

HCC:D1

Boiling Pt:B.P. Text:NOT GIVEN

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Vapor Pres:NOT GIVEN

Vapor Density:NOT GIVEN

Spec Gravity:NOT GIVEN

Evaporation Rate & Re

ference:NOT GIVEN

Solubility in Water:APPRECIABLE

Appearance and Odor:ORANGE POWDER, BLAND ODOR

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

Stability Indicator/Materials to Avoid:YES

ORGANIC MATERIALS, REDUCING AGENTS, ALKALINE MATERIALS

Stability Condition to Avoid:EXCESSIVE HEAT

Hazardous Decomposition Products:HYDROGEN CYANIDE AND HYDROGEN FLUORIDE

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

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING

ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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