

HENKEL CORPORATION -- ALODINE 600 -- 8030-00-057-2354

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

Product ID:ALODINE 600

MSDS Date:09/06/1990

FSC:8030

NIIN:00-057-2354

MSDS Number: BRQLS

=== Responsible Party ===

Company Name:HENKEL CORPORATION

Address:32100 STEPHENSON HIGHWAY

City:MADISON HEIGHTS

State:MI

ZIP:48071

Country:US

Info Phone Num:313-583-9300

Emergency Phone Num:517-263-9430 800-424-9300(CHEMT
REC)

Preparer's Name:PRODUCT ACCEPTANCE OFFICE

CAGE:DO342

=== 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:HENKEL CORP

Address:32100 STEPHENSON HIGHWAY

Box:City:MADISON HEIGHTS

State:MI

ZIP:48071

Country:US

Phone:215-628-1000

CAGE:71410

Company Name:HENKEL CORPORATION-EMERY GROUP

Address:4900 ESTE AVENUE

City:CINCINNATI

State:OH

ZIP:45232

Co

Country:US
Phone:513-482-2297
CAGE:DO342

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Composition/Information on Ingredients
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Ingredient Name:CHROMIC ACID (SARA 313)
CAS:1333-82-0
RTECS #:GB6650000
Fraction by Wt: 30-40%
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.05 MG/M3 AS CR
ACGIH TLV:0.05 MG/M3 AS CR

Ingredient Name:SODIUM FLUOBORATE
CAS:13755-29-8
RTECS #:ED2975000
Fraction by Wt: 40-50%
Other REC Limits:NONE SPECIFIED
OSHA PEL:2.5 MG/M3 AS F
ACGIH TLV:2.5 MG/M3 AS F

Ingredient Name:POTASSIUM FLUOZIRCONATE
CAS:16923
-95-8
RTECS #:TT0875000
Fraction by Wt: 10-15%
Other REC Limits:NONE SPECIFIED
OSHA PEL:2.5 MG/M3 AS F
ACGIH TLV:2.5 MG/M3 AS F
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingredient Name:POTASSIUM FLUORBORATE
CAS:14075-53-7
RTECS #:ED2800000
Fraction by Wt: 10-30%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5 MG/M3
ACGIH TLV:5 MG/M3

Ingredient Name:POTASSIUM FLUORZIRCONATE (CERCLA) LD50 ORAL MOUSE 98 MG/KG
CAS:16923-95-8
RTECS #:ZH7028400
Fraction by Wt: 1-10%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:

5 MG/M3 ZR/STEL 10
ACGIH TLV:5 MG/M3ZR/STEL 10
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

Reports of Carcinogenicity:NTP:YES IARC:YES
Health Hazards Acute and Chronic:CHRONIC: REPEATED/PROLONGED SKIN CONTACT MAY CAUSE "CHROME SORES". LONG-TERM EXPOSURE CAN CAUSE LIVER/KIDNEY DAMAGE & DERMATITIS. REPEATED/PROLONGED INHALATION OF MIST MAY CAUSE ULCERATION & PERFORMAT ION OF THE NASAL SEPTUM. CONTAINS FLUORIDES
. EXPOSURE TO FLUORIDES OVER YEARS MAY CAUSE FLUOROSIS.

Explanation of Carcinogenicity:SEE SUPPLMENTAL
Effects of Overexposure:EYES: EYE CONTACT MAY RESULT IN LOSS OF VISION WITH SEVERE BURNS. SKIN: SKIN CONTACT IS CORROSIVE TO TISSUES. INGESTION: INGESTION COULD RESULT IN TISSUE DESTRUCTION OF DIGESTIVE TRACT & SEVERE IRRITA TION TO RESP TRACT. INHALATION: INHALATION OF DUST CAN CAUSE DAMAGE TO MUCOUS MEMBRANES, PERFORATION OF NASAL SEPTUM.

Medical Cond Aggravated by Exp
osure:PERSONS WITH A HISTORY OF ASTHMA,
ALLERGIES OR KNOWN SENSITIZATIONS TO CHROMIC ACID OR CHROMATES.
IRRITATION OF RESPIRATORY SYSTEM.

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

First Aid:EYES: IMMED FLUSH EYES W/WATER FOR AT LEAST 15 MIN WHILE FORCIBLY HOLDING EYELIDS OPEN. GET MED AID. SKIN: FLUSH SKIN THOROUGHLY W/WATER FOR AT LEAST 15 MIN. IF IRRITATION PERSISTS, GET MED AID. INGES TION: DRINK LRG QUANT OF WATER. CORROSIVE. DO NOT INDUCE VOMITING. IF VOMITING OCCURS, DRINK MORE WATER. GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. IF BREATH DIFF GIVE OXYGEN. GET MED AID

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

Flash Point:NONE
Extinguishing Media:WATER
Fire Fighting Procedures:WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS (SCBA) AND FULL PROTECTIVE CLOTHING.
Unusual Fire/Explosion Hazard:VIOLENT REACTIONS MAY OCCUR WITH ORGANIC MATERIALS AND REDUCING AGENTS.

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

Spill Release Procedures:TRANSFER ANY EXCESS TO A CLEAN POLYETHYLENE CONTAINER. TREAT THE RESIDUE WITH A DILUTE SOLUTION OF METABISULFATE TO REDUCE THE CHROME.

Neutralizing Agent:NEUTRALIZE WITH LIME TO PH = 7-8.

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

Handling and Storage Precautions:DON'T GET IN EYES, ON SKIN OR CLOTHING. FOR INDUSTRIAL USE ONLY. CONTACT WITH COMBUSTIBLE MATERIAL MAY

CAUSE FIRE. DON'T TAKE INTERNALLY.

Other Precautions:CLOTHING CONTAMINATED WITH CONTENTS OF THIS PACKAGE IS DANGEROUSLY FLAMMABLE. IMMEDIATELY REMOVE & WASH CONTAMINATED CLOTHING BEFORE REUSE. DO NOT BREATHE DUST. WASH THOROUGHLY AFTER HANDLING.

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

Respiratory Protection:USE NIOSH-APPROVED RESPIRATOR AS REQUIRED TO PREVENT OVEREXPOSURE.

Ventilation:LOCAL EXHAUST. PROVIDE SUFFICIENT MECHANICAL (GENERAL &/OR LO

CAL EXHAUST VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:NEOPRENE OR POLYVINYL GLOVES

Eye Protection:CHEMICAL GOGGLES OR FACE SHIELD

Other Protective Equipment:APPROPRIATE PROTECTIVE CLOTHING. EYE WASH FACILITY & EMERGENCY SHOWER SHOULD BE IN CLOSE PROXIMITY.

Supplemental Safety and Health

THERE IS LAB EVIDENCE AQUEOUS SODIUM DICHROMATE ADMINISTERED DIRECTLY INTO THE LUNG, AT THE HIGHEST TOLERATED DOSE, OVER LIFETIME OF RATS, CAUSES A SIGNIFICANTLY INCREASED INCID

ENCE OF LUNG CANCER. IT

IS EXPECTED THAT CHROMIC ACID WAS TESTED IN THE MANNER AS AQUEOUS SODIUM DICHROMATE, IT WOULD GIVE SIMILAR RESPONSE.

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

HCC:C1

Solubility in Water:APPRECIABLE

Appearance and Odor:YELLOW TO ORANGE POWDER CONTAINING REDDISH-BROWN CRYSTALS.

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

Stability Indicator/Materials to Avoid:YES

ORGANIC MATERIALS, REDUCING AGENTS, ALKALINE

MATERIALS.

Hazardous Decomposition Products:HYDROGEN FLUORIDE

Conditions to Avoid Polymerization:EXCESSIVE HEAT

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

Waste Disposal Methods:CONTAINS CHROMIUM/FLOURIDE COMPOUNDS WASTE TREATMENT & NEUT MAY BE REQUIRED PRIOR TO DISPOSAL. THIS CHEMICAL HAZARDOUS WASTE AS DEFINED BY EPA HAZARDOUS WASTE & CONSOLIDATED PERMIT REULATIONS. DISPOSE IN COMPLIANCE W/LOCAL, STATE, FEDERAL REGULATIONS

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