

HENKEL CORPORATION -- ALODINE 1201 -- 8030-00-823-8039

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

Product ID:ALODINE 1201

MSDS Date:11/05/1992

FSC:8030

NIIN:00-823-8039

MSDS Number: BQCTG

=== Responsible Party ===

Company Name:HENKEL CORPORATION

Address:32100 STEPHENSON HWY

City:MADISON HEIGHTS

State:MI

ZIP:48071

Country:US

Info Phone Num:313-583-9300

Emergency Phone Num:517-263-9430

Preparer's Name:S WH

ITNEY

CAGE:DO342

=== Contractor Identification ===

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

Country:US

Phone:513-482-2297

CAGE:DO342

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===== Composition/Information on Ingredients =====

Ingred Name:HYDROFLUORIC ACID (SARA III)

CAS:7664-39-3

RTECS #:MW7875000

Fraction by Wt:

0.1 - 1%
Other REC Limits:NONE SPECIFIED
OSHA PEL:C3PPM AS F/STEL 6PPM
ACGIH TLV:C 3 PPM AS F
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:CHROMIC ACID (SARA III)
CAS:7738-94-5
RTECS #:GB2450000
Fraction by Wt: 1%
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.1 MG/M3
ACGIH TLV:0.05 MG/M3
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:POTASSIUM FERRICYANIDE
CAS:13746-66-2
RTECS #:LJ8225000
Fraction by Wt: 0.1 - 1%
Other REC Limits:NONE SPECIFIED

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Hazards Identification
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Health Hazards Acute and Chronic:EYES: CAN CAUSE SEVERE IRRITATION.
SKIN: CAN CAUSE IRRITATION. SKIN ABSORPTION: CHROMIC ACID MAY BE
ABSORBED THROUGH SKIN, ESPECIALLY IF SKIN IS DAMAGED. FATAL KIDNEY
DAMAGE REPORTED IN A PERSON WHO EVIDENTLY ABSORBED CHROMIUM
TRIOXIDE INTO THE BODY. INHALATION: WILL IRRITATE, MAY BURN MUCOUS
MEMBRANE IF PROLONGED.

Explanation of Carcinogenicity:EVIDENCE AQUEOUS SODIUM DICHROMATE
ADMINISTERED DIRECTLY INTO LU
NG CAUSES SIGNIFICANT INCREASED
INCIDENCE OF LUNG CANCER

Effects of Overexposure:CHRONIC; PROLONGED OR REPEATED SKIN CONTACT MAY
CAUSE 'CHROME SORES'. LONG TERM EXPOSURE CAN CAUSE LIVER DAMAGE,
KIDNEY DAMAGE, DERMATITIS. PROLONGED OR REPEATED INHALATION OF MIST
MAY CAUSE ULCERATION & PERFORATION OF NASAL SEPTUM.

Medical Cond Aggravated by Exposure:PREEXISTING SKIN DISORDERS.

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First Aid Measures
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First Aid:EYES: IMMEDIATELY FLUSH IN STR

EAM OF WATER 15 MIN. HOLD LIDS APART.

GET MED AID. SKIN: IMMEDIATELY FLUSH WITH WATER 15 MIN WHILE REMOVING CONTAMINATED CLOTHING. SOAK AFFECTED AREA FOR 1 HR IN ICED SOLUTION (.13% ZEPHRIN CHLORIDE (30CC OF 17% CONC PER GAL ICED DISTILLED WATER)). GET MED AID INHALATION: REMOVE TO FRESH AIR. IF BREATHING DIFFICULT, GIVE OXYGEN. GET MED AID. INGESTION: DO NOT INDUCE VOMITING. GET MED AID.

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Fire Fighting Measures
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Extinguishing Media: AS REQUIRED TO EXTINGUISH SURROUNDING FIRE.

Fire Fighting Procedures: WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard: PRESENTS NO HAZARD IN LIQUID FORM, HOWEVER CHEMICAL CONTAINS STRONG OXIDIZERS WHICH MAY SUPPLY OXYGEN WHEN DRY.

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Accidental Release Measures
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Spill Release Procedures: WEAR PROTECTIVE CLOTHING. ABSORB OR OTHERWISE COLLECT SPILL AND STORE IN POLYETHYLENE OR POLYETHYLENE-LINED STEEL CONTAINER.

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Handling and Storage
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Handling and Storage Precautions: DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. CLOTHING OR OTHER COMBUSTIBLE MATERIAL WET WITH THIS MATERIAL & ALLOWED TO DRY MAY BECOME FLAMMABLE.

Other Precautions: WASH THOROUGHLY AFTER HANDLING. FOR INDUSTRIAL USE ONLY.

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Exposure Controls/Personal Protection
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Respiratory Protection: NOT NORMALLY REQUIRED. IF SIGNIFICANT VAPOR/MIST

ARE GENERATED, USE A NIOSH APPROVED RESPIRATOR.

Protective Gloves: CHEMICAL RESISTANT GLOVES

Eye Protection: CHEMICAL GOGGLES OR FACE SHIELD

Other Protective Equipment: EYE WASH FACILITY AND EMERGENCY SHOWER SHOULD BE IN CLOSE PROXIMITY. CHEM RESISTANT PROTECTIVE CLOTHING (APRONS, BOOTS).

Supplemental Safety and Health

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Physical/Chemical Properties
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HCC: C1

Boiling Pt: B.P. Text: 212F, 100C

Spec Gravity: ABOUT 1

pH: