

J AND M LABORATORIES, INC. -- ALODINE 600 -- 8030-00-811-3723

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Product Identification
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Product ID:ALODINE 600

MSDS Date:06/19/1991

FSC:8030

NIIN:00-811-3723

MSDS Number: BWLDF

=== Responsible Party ===

Company Name:J AND M LABORATORIES, INC.

Address:1717 ROWAN ST

City:LOUISEVILLE

State:KY

ZIP:40203

Country:US

Info Phone Num:800-473-6173/502-585-3176

Emergency Phone Num:800-473-6173/502-

585-3176

CAGE:01VT9

=== Contractor Identification ===

Company Name:J AND M LABORATORIES, INC.

Address:1717 ROWAN ST

Box:City:LOUISEVILLE

State:KY

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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: 30 - 40%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.5 MG CR/M3

ACGIH TLV:0.05 MG CR/M3

Ingred Name:SODIUM TETRAFLUOROBORATE

CAS:13755-29-8

RTEC

S #:ED2975000
Fraction by Wt: 40 - 50%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:2.5MG/M3 8 HRS TWA

Ingred Name:ZIRCONIUM POTASSIUM FLUORIDE (CERCLA)
CAS:16923-95-8
RTECS #:ZH7028400
Fraction by Wt: 10 - 15%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5 MG (ZR)/M3
ACGIH TLV:5MG(ZR)/M3/10STEL;95
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS NOT KNOWN.
Routes of Entry: Inhalation:YES Skin:NO
Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS:EYES, SKIN, RESPIRATORY & GI TRACTS. ACUTE- OXIDIZER & CORROSIVE. EYE CONTACT CAN CAUSE SEVERE BURNS & BLINDNESS. SKIN CONTACT BURNS TISSUE. INGESTION COULD RESULT IN TISSUE DESTRUCTION, SEVERE IRRITATION. INHALING DUST CAN CAUSE DAMAGE TO MUCOUS MEMBRANES. CHRONIC- MAY CAUSE CHROME SORES, ULCERATION.

Explanation of Carcinogenicity:CONTAINS CHROMIUM (+6).

Ef
Effects of Overexposure:SEVERE IRRITATION AND BURNS OF EYES, SKIN, RESPIRATORY AND GASTROINTESTINAL TRACTS; SKIN ULCERATION, PERFORATION OF THE NASAL SEPTUM, BURNING SENSATION IN THE THROAT, ABDOMINAL PAIN, DIZZINESS, VOMIT ING, INTENSE THIRST, SHOCK
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN DISORDERS OR EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION OR KNOWN SENSITIZATION TO CHROMIC ACID OR CHROMATE MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THE SUB
STANCE.

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

First Aid:GET MEDICAL ATTENTION IN ALL CASES. EYE/SKIN:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. INHALED:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. ORAL:IF CONSCIOUS, DRINK LARGE A MOUNT OF WATER. COROSIVE. DO NOT INDUCEVOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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

Flash Point:NONE
Ex

Extinguishing Media:WATER. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

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

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENTS. VENTILATE AREA.

CAREFULLY SWEEP UP AND PLACE IN A CLEAN POLYETHYLENE CONTAINER. AVOID RAISING DUST. REDUCE WITH A DILUTE SOLUTION OF METABISULFATE AND NEUTRALIZE WITH SODA ASH/LIME TO PH=7-8. NEVER FLUSH INTO SEWERS.

Neutralizing Agent:METABISULFATE

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

Handling and Storage Precautions:STORE IN DRY PLACE AWAY FROM INCOMPATIBLE MATERIALS. AVOID STORAGE ON WOOD FLOORS. PROTECT AGAINST PHYSICAL DAMAGE.

Other Precautions:DO NOT

GET IN EYES, ON SKIN OR ON CLOTHING. DO NOT GENERATE DUST. DO NOT BREATHE DUST, MIST OR FUMES. KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY. CLOTHING CONTAMINATED WITH THIS PRODUCT IS DANGEROUSLY FLAMMABLE. RINSE WITH WATER.

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

Respiratory Protection:FOR CONDITIONS WHERE EXPOSURE TO DUST OR FUMES IS APPARENT, A NIOSH APPROVED RESPIRATOR FOR DUST MISTS AND FUMES APPROPRIATE TO THE CONCENTRATION MAY BE WORN. IN EMERGENCY, WEAR

SELF-CONTAINED BREATHING APPARATUS OPERATED IN + PRESSURE.

Ventilation:PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL 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 (IMPERVIOUS) CLOTHING AND EQUIPMENT, EYEWASH FOUNTAIN, EMERGENCY SHOWER

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES

AND

RECOMMENDED PROCEDURES.

Supplemental Safety and Health
FOR INDUSTRIAL USE ONLY.

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

HCC:D3

NRC/State Lic Num:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:APPRECIABLE

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

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

Stability Indicator/Materials to Avoid:YES

ORGANIC MATERIALS,

BASES, REDUCING AGENTS

Stability Condition to Avoid:EXCESSIVE HEAT

Hazardous Decomposition Products:HYDROGEN FLUORIDE

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

Waste Disposal Methods:DISPOSE OF IN COMPLIANCE WITH ALL CURRENT LOCAL,
STATE AND FEDERAL REGULATIONS. HEXAVALENT CHROMIUM IN SOLUTION CAN
BE REDUCED TO TRIVALENT CHROMIUM BY SODIUM BISULFITE, SULFUR
DIOXIDE, ETC.. NEUTRALI ZE TO PH 7.5. EPA HAZARDOUS WASTE: D001&
D007.

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