

RUGER CHEMICAL CO./AMEND DRUG & CHEMICAL CO. -- IODINE -- 6505-01-167-8799

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

Product ID:IODINE

MSDS Date:03/22/1991

FSC:6505

NIIN:01-167-8799

MSDS Number: BLMWN

=== Responsible Party ===

Company Name:RUGER CHEMICAL CO./AMEND DRUG & CHEMICAL CO.

Address:83 CORDIER STREET

City:IRVINGTON

State:NJ

ZIP:07111

Country:US

Info Phone Num:201-926-0331

Emergency Phone Num:201

-926-0331/CHEMTREC 800-424-9300

CAGE:20979

=== Contractor Identification ===

Company Name:AMEND DRUG AND CHEMICAL CO

Address:83 CORDIER ST

Box:City:HILLSIDE

State:NJ

ZIP:07205

Country:US

Phone:201-926-0333

CAGE:20979

Company Name:RUGER CHEMICAL CO. INC

Address:83 CORDIER STREET

Box:City:IRVINGTON

State:NJ

ZIP:07111

Country:US

Phone:973-926-0331

CAGE:64220

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

Ingred Name:IODINE

CAS:7553-56-2

RTECS #:NN1575000

Other REC Limits:NON

E SPECIFIED
OSHA PEL:C 0.1 PPM
ACGIH TLV:C 0.1 PPM; 9192

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 14000 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE-INHALATION:VAPORS SEVERELY
IRRITATE THE MUCOUS MEMBRANE & RESPIRATORY TRACT.CAN CAUSE
HEADACHE,SORE THROAT & PULMONARY EDEMA.EYE:VAPORS SEVERELY IRRITATE
& CAUSE T
EARING & INFLAMMATION.SKIN:SEVE RE IRRITATION &
LESIONS.INGESTION:MAY CAUSE BURNING,PAIN,DIARRHEA,FEVER &
SHOCK.CHRONIC-ALLERGIC SENSITIZATION,INSOMNIA.
Effects of Overexposure:INHALING VAPORS SEVERELY IRRITATE THE MUCOUS
MEMBRANE & RESPIRATORY TRACT. CAN CAUSE HEADACHE, SORE THROAT &
PULMONARY EDEMA. VAPORS SEVERELY IRRITATE EYES & CAUSE TEARING &
INFLAMMATION. CRYSTALS CAU SE SEVERE IRRITATION & LESIONS.
INGESTION MAY CAUSE BURNING, PAIN, DIARRHEA, VOMITING, FEVER &
SHOCK.
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN
DISORDERS, EYE PROBLEMS, IMPAIRED RESPIRATORY FUNCTIONS OR DISEASE
OF THE THYROID, LUNGS OR KIDNEY MAY BE MORE SUSCEPTIBLE TO THE
EFFECTS OF THE SUBSTANCE.

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

First Aid:GET MEDICAL CARE IN ALL CASES.INHALATION:REMOVE TO FRESH
AIR.GIVE CPR/OXYGEN IF NEEDED.EYES:IMMEDIATELY FLUSH WITH WATER FOR
15 MINUTES HOLDING EYELIDS OPEN.SKIN:WIPE O
FF EXCESS FROM SKIN.WASH
SKIN WI TH SOAP & WATER FOR 15 MINUTES.INGESTION:IF CONSCIOUS,DRINK
WATER/MILK.INDUCE VOMITING IF MEDICAL HELP IS NOT IMMEDIATELY
AVAILABLE.

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

Flash Point:NOT COMBUSTIBLE
Extinguishing Media:MEDIA APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT & A
FULL FACED SELF CONTAINED BREATHING APPARATUS OPERATED IN POSITIVE
PRESSURE.COOL FIRE

EXPOSED CONTAINERS WITH WATER.

Unusual Fire/Explosion Hazard:CONTACT WITH OXIDIZABLE SUBSTANCES MAY
CAUSE EXTREMELY VIOLENT COMBUSTION.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT & A SELF-CONTAINED
BREATHING APPARATUS.VENTILATE THE AREA.DIKE AREA OF SPILL OR
LEAK.CONTAIN AND RECOVER LIQUID WHERE POSSIBLE.ABSORB WITH
VERMICULITES,DRY SAND OR EARTH FOR DISPOSAL AS HAZARDOUS WASTE.DO
NOT FLUSH TO SEWER

.
Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORAGE-STORE IN A COOL,DRY,WELL
VENTILATED AREA OUT OF DIRECT SUNLIGHT.

Other Precautions:KEEP IN TIGHTLY CLOSED CONTAINER. PROTECT AGAINST
PHYSICAL DAMAGE. KEEP AWAY FROM REACTIVE/COMBUSTIBLE MATERIALS.
AVOID CONTACT WITH EYES, SKIN OR CLOTHING. DO NOT BREATHE VAPORS.
WASH THOROUGHLY AFT ER HANDLING AND BEFORE EATING/DRINKING.

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

Respiratory Protection:IF THE TLV IS EXCEEDED, A FULL FACEPIECE
CHEMICAL CARTRIDGE RESPIRATOR MAY BE WORN. ALTERNATIVELY, A
SUPPLIED AIR FULL FACEPIECE RESPIRATOR MAY BE WORN.

Ventilation:LOCAL AND/OR GENERAL EXHAUST VENTILATION IS RECOMMENDED.

Protective Gloves:NEOPRENE

Eye Protection:CHEMICAL SAFETY GOGGLES

Other Protective Equipment:EYE WASH STATION, SAFETY SHOWER, IMPERVIOUS
BOOTS, LAB COAT, COVERALLS. DO NOT WEAR CONTACT
LENSES.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES.

Supplemental Safety and Health

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

HCC:N1

Boiling Pt:B.P. Text:363F SUBLIM

Melt/Freeze Pt:M.P/F.P Text:237F,114C

Vapor Pres:0.3 @20C

Vapor Density:8.8

Spec Gravity:4.96

Solubility in Water:0.03% @ 20C

Appearance and Odor:BLUISH-BLACK CRYSTALS, METALLIC LUSTER - PUNGENT
ODOR

===== Stability and Reactivity Data

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Stability Indicator/Materials to Avoid: YES
REDUCING AGENTS, AMMONIA, ALKALI METALS, AMMONIUM HYDROXIDE
Stability Condition to Avoid: HIGH HEAT, OPEN FLAMES
Hazardous Decomposition Products: TOXIC GASES AND VAPORS

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

Waste Disposal Methods: CONSULT APPROPRIATE FEDERAL, STATE AND LOCAL
REGULATORY AGENCIES TO ASCERTAIN PROPER DISPOSAL PROCEDURES.

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