

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 AFTER HANDLING AND BEFORE EATING/DRINKING.

=====

== 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

=====

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.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.