

DIFCO LABORATORIES -- GRAM IODINE 3331 -- 6550-01-113-4658

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

Product ID:GRAM IODINE 3331

MSDS Date:03/01/1990

FSC:6550

NIIN:01-113-4658

MSDS Number: BQDPP

=== Responsible Party ===

Company Name:DIFCO LABORATORIES

Address:920 HENRY ST

Box:331058

City:DETROIT

State:MI

ZIP:48201-2532

Country:US

Info Phone Num:800-521-0851/313-462-8500

Emergency Phone Num:800-521-0851/

313-462-8500

Preparer's Name:ELLEN M BERNARD

CAGE:04487

=== Contractor Identification ===

Company Name:DIFCO LABORATORIES FORMERLY ON HENRY ST, DETROIT, MI

Address:17197 N LAUREL PARK DR SUITE 400

Box:City:LIVONIA

State:MI

ZIP:48152-2532

Country:US

Phone:313-462-8671

CAGE:04487

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

Ingred Name:IODINE

CAS:7553-56-2

RTECS #:NN1575000

Fraction by Wt: 26.7%

Other REC Limits:NONE SPECIFIED

OSHA PEL:C 0.1 PPM

ACGIH TLV:C 0.1 PPM; 9192

Ingred Name:POTASSIUM IODIDE (TOXIC) LD50:ORAL 1862 MG/KG (MOUSE)
CAS:7681-11-0
RTECS #:TT2975000
Fraction by Wt: 53.3%
Other REC Limits:NONE SPECIFIED

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

LD50 LC50 Mixture:14 MG/KG (ORAL LD50 RATS 100% IODINE)
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:SWALLOWING IODINE MAY CAUSE VOMITING,
ABDOMINAL PAINS AND DIARRHEA. DEATH MAY RESULT. IODINE IS A SEVERE
IRRITANT OF THE GASTRIC & RESPIRATORY MUCOSA AND TO A LESSER EXTENT
THE SKIN. IODINE MAY CAUSE EYE BURNS. MFR IDENTIFIES INGESTION AS
A PRIMARY ROUTE OF ENTRY.
Explanation of Carcinogenicity:PRODUCT CONTAINS NO INGREDIENTS
CURRENTLY CLASSIFIED AS CARCINOGENIC BY NTP, IARC OR OSHA.
Effects of Overexposure:VOMITING, ABDOMINAL PAINS, DIARRHEA, DEATH,
IRRITATION OF MUCOUS MEMBRANES, SKIN IRRITATION, EYE
IRRITATION/BURNS.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:POISON: CALL PHYSICIAN. INGESTION: INDUCE VOMITING
IMMEDIATELY BY GIVING TWO GLASSES OF WATER AND STICKING FINGER DOWN
THROAT. NEVER GIVE ANYTHING BY MOUTH TO UNCONSCIOUS PERSON.
SKIN/EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES.
REMOVE CONTAMINATED SHOES AND CLOTHING. CALL A PHYSICIAN.
INHALATION: REMOVE VICTIM TO FRESH AIR. CONTACT A PHYSICIAN IF
IRRITATION PERSISTS.

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

Flash Point:NONFLAMMABLE
Lower Limits:NOT GIVEN
Upper Limits:NOT GIVEN
Extinguishing Media:NONFLAMMABLE. USE MEDIA SUITABLE FOR SURROUNDING
FIRE.
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND PROTECTIVE
CLOTHING TO AVOID CONTACT.
Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release

ase Procedures:SMALL:WIPE UP WITH A DAMP SPONGE,FLUSH DOWN
DRAIN W/PLENTY OF WATER. LGE:ABSORB LIQUID IN VERMICULITE, DRY SAND
OR SIMILAR MATERIAL AND DISPOSE. TREAT REMAINDER OF MATERIAL AS PER
SMALL SPILL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:CONTACT LENSES SHOULD NOT BE WORN
WHILE WORKING WITH IODINE OR IODINE SOLUTIONS.

Other Precautions:NONE SPECIFIED BY MANUF
ACTURER.

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

Respiratory Protection:FOR LARGE SPILLS, NIOSH/MSHA APPROVED AIR
SUPPLIED MASK APPROPRIATE FOR EXPOSURE OF CONCERN.

Ventilation:USE MECHANICAL (GENERAL) EXHAUST.

Protective Gloves:USE RUBBER GLOVES.

Eye Protection:CHEMICAL WORKERS GOGGLES.

Other Protective Equipment:EMERGENCY EYEWASH AND SHOWER SHOULD BE
AVAILABLE.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

NONE SPE

CIFIED BY MANUFACTURER.

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

HCC:N1

Boiling Pt:B.P. Text:NOT GIVEN

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Vapor Pres:NOT GIVEN

Vapor Density:NOT GIVEN

Spec Gravity:NOT GIVEN

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:COMPLETE

Appearance and Odor:DARK REDDISH-BROWN LIQUID, STRONG IODINE ODOR.

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

Stability Indicator/Materials to Avoid:YES

AMMONIA,

POWDERED ALUMINUM, AND OTHER REACTIVE METALS MAY CAUSE FIRE
AND EXPLOSION.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING
ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR
LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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.