

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.

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