

PURDUE FREDERICK -- BETADINE SOLUTION (10% POVIDONE IODINE= 1% - POVIDONE-IODINE CLE
MATERIAL SAFETY DATA SHEET
NSN: 6505009947224
Manufacturer's CAGE: 05161
Part No. Indicator: A
Part Number/Trade Name: BETADINE SOLUTION (10% POVIDONE IODINE= 1%

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General Information
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Item Name: POVIDONE-IODINE CLEASING SOLUTION, USP
Company's Name: PURDUE FREDERICK COMPANY
Company's Street: 100 CONNECTICUT AVENUE
Company's City: NORWALK
Company's State: CT
Company's Country: US
Company's Zip Code: 06856
Company's Emerg Ph #: (800) 877-0123
Company's Info Ph #: 203-853-0123
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 003
Status: SE
Date MSDS Prepared: 01AUG90
Safety Data Review Date: 22APR92
Supply Item Manager: KX
MSDS Preparer's Name: WINTHROP E. LANGE
Preparer's Company: PURDUE FREDERICK COMPANY
Preparer's St Or P. O. Box: 100 CONNECTICUT AVENUE
Preparer's City: NORWALK
Preparer's State: CT
Preparer's Zip Code: 06856
MSDS Serial Number: BMQTM
Hazard Characteristic Code: N1
Unit Of Issue: BT
Unit Of Issue Container Qty: 1 GAL.
Type Of Container: BOTTLE
Net Unit Weight: 8.5 LBS

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Ingredients/Identity Information
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Proprietary: NO
Ingredient: POLYVINYLPIRROLIDINONE-IODINE COMPLEX
Ingredient Sequence Number: 01
Percent: 10
NIOSH (RTECS) Number: 1006862PI
CAS Number: 25655-41-8
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE SPECIFIED

Proprietary: NO
Ingredient: GLYCERIN
Ingredient Sequence Number: 02
Percent: 1.0
NIOSH (RTECS) Number: MA8050000
CAS Number: 56-81-5
OSHA PEL: 15 MG/M3 TDUST
ACGIH TLV: 10 MG/M3 (MIST) 9293
Other Recommended Limit: NONE SPECIFIED

Proprietary: NO
Ingredient: IGEPAL
Ingredient Sequence Number: 03
Percent: 0.25
NIOSH (RTECS) Number: 1007532IG
CAS Number: 26027-38-3

OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE SPECIFIED

Proprietary: NO
Ingredient: WATER, PURIFIED
Ingredient Sequence Number: 04
Percent: 88.75
NIOSH (RTECS) Number: 1007883WP
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE SPECIFIED

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Physical/Chemical Characteristics

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Appearance And Odor: REDDISH BROWN, CLEAR LIQUID, FAINT ODOR.
Specific Gravity: 1.02
pH: <6.0

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Fire and Explosion Hazard Data

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Flash Point: NOT FLAMMABLE
Unusual Fire And Expl Hazrds: NONE

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Reactivity Data

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Stability: YES
Cond To Avoid (Stability): CORROSIVE TO METALS.
Materials To Avoid: OXIDIZERS, IRON, CAN DISCOLOR GLOD OR SILIVER.
Hazardous Decomp Products: NONE
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NONE

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Health Hazard Data

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LD50-LC50 Mixture: MOUSE ORAL LD50 = >8100 MG/KG
Route Of Entry - Inhalation: YES
Route Of Entry - Skin: YES
Route Of Entry - Ingestion: YES
Health Haz Acute And Chronic: THIS PRODUCT IS GENERALLY RECOGNIZED AS SAFE WHEN USED AS A TOPICAL ANTIMICROBIAL AGENT.
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: NONE
Signs/Symptoms Of Overexp: MAY CAUSE LOCAL IRRITATION TO THE SKIN. ELEVATED CONCENTRATIONS OF IODIDE IN THE SERUM MAY OCCUR IF EXCESSIVE AMOUNTS OF IODINE ARE ABSORBED FROM BROKEN SKIN, BURNS OR DEEP WOUNDS. IODINE MAY ALSO BE ABSORBED THROUGH THE LUNGS AND FROM THE G.I. TRACT. HIGH SERUM LEVELS MAY CAUSE RENAL, ACIDOSIS AND ELECTROLYTE PROBLEMS
Med Cond Aggravated By Exp: NONE STATED BY THE MANUFACTURER.
Emergency/First Aid Proc: EYES: IMMEDIATELY WASH WITH RUNNING WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. SKIN: AVOID PROLONGED CONTACT WITH EXCESS SOLUTION. IF IRRITATION DEVELOPS, GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. DRINK SEVERAL GLASSES OF WATER OR MILK. GET IMMEDIATE MEDICAL ATTENTION. INHALATION: MOVE TO FRESH AIR. GET MEDICAL ATTENTION IF RESPIRATOR DISCOMFORT PERSISTS.

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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: SPILLS SHOULD BE CLEANED UP AS SOONS AS POSSIBLE; WASH AFFECTED AREA WITH DILUTE AMMONIA OR SODIUM THIOSULFATE SOLUTION AND COPIOUS QUANTITIES OF WATER.
Neutralizing Agent: AMMONIA, SODIUM THIOSULFATE
Waste Disposal Method: CONSULT YOUR LOCAL ENVIRONMENTAL OFFICER. DO NOT

DISCHARGE MORE THAN MINUTE QUANTITIES INTO WATERWAYS OR SEWER SYSTEMS.
NEUTRALIZE WITH SODIUM THIOSULFATE PRIOR TO DISPOSAL. CONTAINER DISPOSAL
CAN BE IN A SIMILAR AS OTHER PLASTIC BOTTLES.
Precautions-Handling/Storing: STORE AT ROOM TEMPERATURE.
Other Precautions: NONE STATED BY THE MANUFACTURER.

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Control Measures
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Respiratory Protection: NONE STATED BY THE MANUFACTURER.
Ventilation: NONE STATED BY THE MANUFACTURER.
Protective Gloves: NONE STATED BY MANUFACTURER.
Eye Protection: NONE STATED BY MANUFACTURER.
Other Protective Equipment: NONE
Work Hygienic Practices: NONE STATED BY MANUFACTURER.

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Transportation Data
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Trans Data Review Date: 92113
DOT PSN Code: ZZZ
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
IMO PSN Code: ZZZ
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION
IATA PSN Code: ZZZ
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
AFI PSN Code: ZZZ
AFI Prop. Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

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Disposal Data
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Label Data
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Label Required: YES
Technical Review Date: 22APR92
Label Status: F
Common Name: BETADINE SOLUTION (10% POVIDONE IODINE= 1%
AVAILABLE IODINE
Signal Word: CAUTION!
Acute Health Hazard-Slight: X
Contact Hazard-Slight: X
Fire Hazard-None: X
Reactivity Hazard-None: X
Special Hazard Precautions: THIS PRODUCT IS GENERALLY RECOGNIZED AS SAFE
WHEN USED AS A TOPICAL ANTIMICROBIAL AGENT. STORE AT ROOM TEMPERATURE.
FIRST AID: EYES: IMMEDIATELY WASH WITH RUNNING WATER. GET MEDICAL ATTENTION
IF IRRITATION PERSISTS. SKIN: AVOID PROLONGED CONTACT WITH EXCESS SOLUTION.
IF IRRITATION DEVELOPS, GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE
VOMITING. DRINK SEVERAL GLASSES OF WATER OR MILK. GET IMMEDIATE MEDICAL
ATTENTION. INHALATION: MOVE TO FRESH AIR. GET MEDICAL ATTENTION IF
RESPIRATOR DISCOMFORT PERSISTS.
Label Name: PURDUE FREDERICK COMPANY
Label Street: 100 CONNECTICUT AVENUE
Label City: NORWALK
Label State: CT
Label Zip Code: 06856
Label Country: US
Label Emergency Number: 800- 877-0123