

4498 PVP-1

MATERIAL SAFETY DATA SHEET

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EMERGENCY TELEPHONE NO.: 1-800-733-1333
IN CONNECTICUT: 203-853-0123

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SECTION I:

CHEMICAL NAMES AND SYNONYMS: POVIDONE IODINE SOLUTION USP, PVP-I

TRADE NAME: BETADINE (R*) SOLUTION (10% POVIDONE IODINE
= 1% AVAILABLE IODINE)

CHEMICAL FAMILY: POLYMER, COMPLEX OF POLYVINYLPIRROLIDONE WITH
IODINE

FORMULA: (C₆H₉NO)_N X I

CAS REGISTRY NO.: 25655-41-8



SECTION II: INGREDIENTS

NAME % TLV TOXICOLOGICAL DATA

POVIDONE IODINE USP 10.00 * MOUSE, ORAL LD50 >8100 MG/KG
RAT, IV LD50 >640 MG/KG

GLYCERIN 1.00

IGEPAL 0.25

PURIFIED WATER 88.75

NO COMPONENT IS LISTED BY NTP OR IARC

*NOT ESTABLISHED AS HAVING CARCINOGENIC POTENTIAL.



SECTION III: PHYSICAL DATA

SPECIFIC GRAVITY: (25 DEG. C.) 1.02

PH: < 6.0

APPEARANCE & ODOR: REDDISH BROWN, CLEAR LIQUID, FAINT ODOR



SECTION IV: FIRE AND EXPLOSION HAZARD DATA

FLASHING POINT (METHOD USED): NOT FLAMMABLE.

FLAMMABLE LIMITS: NONE

LEL: N/A UEL N/A

EXTINGUISHING MEDIA: N/A

SPECIAL FIRE FIGHTING PROCEDURES: N/A

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE



SECTION V: HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: NONE ESTABLISHED BY OSHA OR ACGIH.

EFFECT OF OVEREXPOSURE: THIS PRODUCT IS GENERALLY RECOGNIZED AS SAFE WHEN USED AS A TOPICAL ANTIMICROBIAL AGENT. PROLONGED EXPOSURE TO WET SOLUTION MAY CAUSE LOCAL IRRITATION TO THE SKIN. ELEVATED CONCENTRATIONS OF IODIDE IN THE SERUM MAY OCCUR IF EXCESSIVE AMOUNTS OF IODINE ARE ABSORBED THROUGH BROKEN SKIN, BURNS OR DEEP WOUNDS. IODINE MAY ALSO BE ABSORBED THROUGH THE LUNGS AND FROM THE GASTROINTESTINAL TRACT. HIGH CONCENTRATIONS OF IODIDE IN THE SERUM MAY PRODUCE ALTERATIONS IN THYROID FUNCTION, RENAL DISTURBANCES, ACIDOSIS AND ELECTROLYTE DISTURBANCES.

EMERGENCY AND FIRST AID PROCEDURES:

FOR EYES: IMMEDIATELY WASH WITH RUNNING WATER FOR 5 MINUTES. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

FOR SKIN: AVOID PROLONGED CONTACT WITH EXCESS SOLUTION. IF IRRITATION DEVELOPS, GET MEDICAL ATTENTION.

FOR INGESTION: IF SWALLOWED, DO NOT INDUCE VOMITING. DRINK SEVERAL GLASSES OF WATER OR MILK. GET IMMEDIATE MEDICAL ATTENTION.

FOR INHALATION: IF FUMES CAUSE RESPIRATORY DISCOMFORT, MOVE TO FRESH AIR. GET MEDICAL ATTENTION IF RESPIRATORY DISCOMFORT PERSISTS.



SECTION VI: REACTIVITY DATA

STABILITY: STABLE.

STORAGE: STORE AT ROOM TEMPERATURE.

INCOMPATIBILITY: NOT STABLE TOWARD REDUCING AGENTS OR STRONG ALKALIES.

HAZARDOUS DECOMPOSITION PRODUCTS: NONE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

CONDITIONS TO AVOID: NONE.

CORROSIVE TO METAL: YES.

TYPE: IRON; CAN DISCOLOR GOLD OR SILVER.

OXIDIZER: YES.



SECTION VII: ENVIRONMENTAL DATA

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
SPILLS SHOULD BE CLEANED UP AS SOON POSSIBLE; WASH AFFECTED AREA WITH
DILUTE AMMONIA OR DILUTE SODIUM THIOSULFATE SOLUTION AND COPIOUS
QUANTITIES OF WATER.

WASTE DISPOSAL METHOD: DO NOT DISCHARGE MORE THAN MINUTE QUANTITIES INTO
WATERWAYS OR SEWER SYSTEMS. NEUTRALIZE WITH SODIUM THIOSULFATE PRIOR TO
DISPOSAL.

HAZARDOUS SUBSTANCE UNDER "SUPERFUND": NO

HAZARDOUS WASTE, 40 CFR 261: NO

HAZARDOUS WASTE NUMBER: N/A

CONTAINER DISPOSAL: IN A SIMILAR MANNER AS OTHER PLASTIC BOTTLES.



SECTION VIII: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE): N/A

PROTECTIVE GLOVES: N/A

VENTILATION: LOCAL EXHAUST: N/A SPECIAL: N/A
MECHANICAL (GENERAL): N/A OTHER: N/A

EYE PROTECTION: N/A

OTHER PROTECTION EQUIPMENT: N/A



SECTION IX: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: N/A

OTHER PRECAUTIONS: N/A

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) RATING
DEGREES OF HAZARD:

(0)
(0 (0)

"THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH BUT NO WARRANTY, EXPRESSED
OR IMPLIED, IS MADE."

NA = NOT APPLICABLE
NE = NOT ESTABLISHED
NL = NOT LISTED
NIF = NO INFORMATION FOUND

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