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MATERIAL SAFETY DATA SHEET

POVIDONE-IODINE TOPICAL SOLUTION

MANUFACTURER:

CARDINAL HEALTH-MEDICAL PRODUCTS AND SERVICES GROUP.
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MCGAW PARK, IL 60085
USA

TELEPHONE: 1-800-964-5227 (CUSTOMER SERVICE 8:00 A.M. TO 4:30 P.M. CST M-F)

FOR ADDITIONAL PRODUCT INFORMATION CONTACT:

CARDINAL HEALTH/PREP & SKIN CARE MARKETING: 1-847-785-3262

SECTION 1: IDENTIFICATION



TRADE/COMMON NAMES: POVIDONE IODINE TOPICAL SOLUTION

PRODUCT CODE(S):

4420, 4450B, 4460A, 4463, 4464, 4465B, 4468, 4469A, 29906-001, 29906-002, 29906-004, 29906-008, 29906-016, 29906-032, 71-14510

DESCRIPTION:

TOPICAL SOLUTION IN HIGH DENSITY POLYETHYLENE BOTTLE (OR FOR 71-14510, SOLUTION IS IN 55 GALLON HIGH DENSITY POLYETHYLENE BLUE DRUMS).

PRODUCT USE: TOPICAL PREOPERATIVE PREP SOLUTION

SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS



COMPONENTS	CAS NUMBER	%	EXPOSURE LIMITS	NOTE
WATER		84-85	NE	NONE
POVIDONE IODINE, USP		10	NE	NONE
PROPRIETARY INGREDIENTS		6	NE	NONE

KEY:

NE = NOT ESTABLISHED

TWA = TIME WEIGHED AVERAGE

STEL = SHORT TERM EXPOSURE LIMIT

*NOTICE OF INTENDED CHANGE, 400 PPM TWA, 500 PPM STEL

KEY TO NOTES: NONE - NONE OF THE BELOW APPLIES TO THIS COMPONENT

- (1) (SUSPECT) CARCINOGEN-OSHA, ACGIH, NTP OR IARC
- (2) SARA TITLE III SECTION 313 CHEMICAL
- (3) SARA TITLE III EXTREMELY HAZARDOUS SUBSTANCE
- (4) CERCLA HAZARDOUS SUBSTANCE AND REPORTABLE QUANTITIES
- (5) RCRA HAZARDOUS WASTE

SECTION 3: HAZARD IDENTIFICATION



EMERGENCY OVERVIEW: POVIDONE IODINE TOPICAL SOLUTION

EYES: NON-IRRITATING TO EYES.

SKIN: NON-IRRITATING TO THE SKIN.

INHALATION: MAY CAUSE RESPIRATORY TRACK IRRITATION.

INGESTION: NON-TOXIC.

SECTION 4: FIRST AID MEASURES



EYES: NO ADVERSE EFFECTS ARE EXPECTED.

SKIN:
NO ADVERSE EFFECTS ARE EXPECTED. IF REDNESS OR IRRITATION OCCURS, GET MEDICAL ATTENTION.

INHALATION: REMOVE FROM EXPOSURE TO FRESH AIR IMMEDIATELY.

INGESTION: NO ADVERSE EFFECTS ARE EXPECTED.

SECTION 5: FIRE-FIGHTING MEASURES



EXTINGUISHING MEDIA:
PRODUCT IS NONCOMBUSTIBLE. USE AGENT MOST APPROPRIATE TO EXTINGUISH SURROUNDING FIRE.

FIRE-FIGHTING PROCEDURES:
FIRE FIGHTER SHOULD WEAR FULL-FACE POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS (SCBA), GLOVES AND FULL SKIN PROTECTION.

UNUSUAL FIRE/EXPLOSION HAZARDS:
HARSH IODINE FUMES ARE EMITTED WHEN PRODUCT IS HEATED TO GREATER THAN 176 DEG. F (80 DEG. C).

HAZARDOUS DECOMPOSITION PRODUCTS:
THERMAL DECOMPOSITION MAY YIELD IRRITATING, CORROSIVE AND/OR TOXIC FUMES.

FLASH POINT: NONE
METHOD: NA

SECTION 6: ACCIDENTAL RELEASE MEASURES



PERSONAL PRECAUTIONS: SEE SECTION 8.

ENVIRONMENTAL PRECAUTIONS AND CLEAN-UP METHODS:
ABSORB SPILL WITH INERT MATERIAL THEN PLACE IN SUITABLE CONTAINER AND DISPOSE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

SECTION 7: HANDLING AND STORAGE



HANDLING:

AVOID EXCESSIVE HEAT (NOT TO EXCEED 104 DEG. F/40 DEG. C).
WASH AFTER HANDLING AND USE IN WELL VENTILATED AREA.

STORAGE:

PROTECT FROM FREEZING. STORE AT ROOM TEMPERATURE (25 DEG. C/77 DEG. F).

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION



OCCUPATIONAL EXPOSURE LIMITS:

NO OCCUPATIONAL EXPOSURE LIMITS HAVE BEEN ESTABLISHED BY OSHA, ACGIH OR NIOSH FOR THE FORMULATION.

ENGINEERING CONTROLS:

NO SPECIAL CONTAINMENT IS REQUIRED. LOCAL EXHAUST VENTILATION SHOULD BE PROVIDED.

PERSONAL PROTECTIVE EQUIPMENT:

IF USED PER MANUFACTURERS INSTRUCTIONS ON THE PRODUCT FOR SURGICAL SCRUBBING, NONE OF THE FOLLOWING IS REQUIRED.

RESPIRATORY PROTECTION: NA

SKIN: NA

HANDS: NA

EYES: NA

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES



APPEARANCE: BROWN LIQUID WITH A MILD IODINE ODOR

pH: 1.5 - 6.0

BOILING POINT: 212 F

VAPOR DENSITY (AIR = 1): NA

VAPOR PRESSURE: NA

SOLUBILITY IN WATER: SOLUBLE

EVAPORATION RATE (DIETHYL ETHER = 1): NA

SECTION 10: STABILITY AND REACTIVITY



STABLE: STABLE UNDER NORMAL STORAGE AND HANDLING CONDITIONS (SECTION 7)

INCOMPATIBILITY (MATERIALS TO AVOID): NONE KNOWN

SECTION 11: TOXICOLOGICAL INFORMATION



ACUTE EFFECTS:

EYES: NON-IRRITATING TO THE EYE BASED ON OPHTHALMIC TEST.

SKIN:
NON-IRRITATING TO THE SKIN BASED ON PRIMARY SKIN IRRITATION TEST, SINGLE 4 HOUR EXPOSURE, RABBIT: NON-IRRITATING

MUCOUS MEMBRANE:
NON-IRRITATING. NO IRRITATION ON MACROSCOPIC LEVEL AND WELL TOLERATED BY MICROSCOPIC EVALUATION.

INGESTION:
NON-IRRITATION, BASED ON LIMIT TEST, ORAL, RAT:
NO MORTALITY OBSERVED, NO MACROSCOPIC CHANGES ATTRIBUTED TO ORAL DOSE.

CARCINOGEN: NA

MUTAGEN: NA

TERATOGEN: NA

SECTION 12: ECOLOGICAL INFORMATION



ECOTOXICITY DATA: NO DATA AVAILABLE FOR FINAL PRODUCT.

ENVIRONMENTAL HAZARDS: NO DATA AVAILABLE FOR FINAL PRODUCT.

SECTION 13: DISPOSAL CONSIDERATIONS



WASTE DISPOSAL METHOD:

DISPOSE OF IN ACCORDANCE WITH COUNTRY, REGIONAL, FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION 14: TRANSPORTATION INFORMATION



DOT DESIGNATION: NOT LISTED

SECTION 15: REGULATORY INFORMATION



US REGULATIONS:

HAZARD COMMUNICATION STANDARD: NA

TSCA STATUS: 25655-41-8

CALIFORNIA PROPOSITION 65:

NOT LISTED. REFER TO SECTION 2 FOR ADDITIONAL US REGULATORY STATUS

SECTION 16: OTHER INFORMATION



NEITHER CARDINAL HEALTH NOR ANY OF ITS AFFILIATES OR SUBSIDIARIES ASSUMES ANY LEGAL RESPONSIBILITY FOR USE OR RELIANCE UPON THIS INFORMATION. FINAL DETERMINATION OF SUITABILITY OF ANY MATERIAL FOR A PARTICULAR USE IS THE SOLE RESPONSIBILITY OF THE USER. ALL MATERIALS MAY PRESENT UNKNOWN HAZARDS

AND SHOULD BE USED WITH CAUTION. ALTHOUGH CERTAIN HAZARDS ARE DESCRIBED HEREIN, WE CANNOT GUARANTEE THAT THESE ARE THE ONLY HAZARDS WHICH EXIST. IT

IS THE USER'S RESPONSIBILITY TO DETERMINE THE APPROPRIATE HANDLING, DISPOSAL

OR OPEN DISPOSITION FOR THE MATERIAL OR EMERGENCY RESPONSE ACTIONS IN LIGHT

OF THE CONDITION OF THE MATERIAL, APPLICABLE REGULATIONS AND OTHER CIRCUMSTANCES.

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