

MATERIAL SAFETY DATA SHEET

IODOSORB[®]

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: IODOSORB[®]

PRODUCT USE: Cadexomer iodine ointment and paste dressings for the treatment of sloughy, infected wounds.

CONTACT: Smith & Nephew Inc.

ADDRESS: 2250 Alfred-Nobel Blvd, St-Laurent (Quebec) Canada H4S 2C9 Phone: 1 800 463-7439

DATE: April 2012

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>% wt or % vol</u>
Iodine	7553-56-2	Proprietary
Polyethylene Glycol	25322-68-3	Proprietary
Starch	9005-25-8	Proprietary
Synperonic	9003-11-6	Proprietary

SECTION 3: HAZARDS IDENTIFICATION

☆☆☆☆☆ EMERGENCY OVERVIEW ☆☆☆☆☆

ROUTES OF ENTRY: Eyes, skin, and ingestion

POTENTIAL HEALTH EFFECTS

ACUTE HEALTH HAZARDS:

Eyes: May cause eye irritation.

Skin: May cause allergic skin reaction in individuals sensitive to iodine.

Ingestion: Swallowing may cause abdominal discomfort, headache, nausea and vomiting.

Inhalation: No health effects are expected.

CHRONIC HEALTH HAZARDS: Chronic absorption of iodine may result in iodism with symptoms of hyper salivation, sneezing, conjunctivitis, laryngitis, headache, skin rash and gastric upset. May affect thyroid function.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Individuals with thyroid disorders may be at increased risk from exposure.

HMIS	
H	1
F	1
R	0
PPE	X

SECTION 4: FIRST AID MEASURES

EYES: Flush eyes (including under lids) with copious amounts of water for at least 15 minutes.

SKIN: No need for first aid is anticipated. If rash or other symptoms develop, discontinue use and consult a physician.

INGESTION: Contact a poison control center for instructions. Do not induce vomiting unless directed by a physician.

INHALATION: No need for first aid is anticipated.

After first aid, get appropriate in-plant, paramedic, or community medical support.

SPECIAL PRECAUTIONS / PROCEDURES: None

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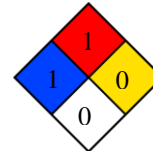
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SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: N/A
(% BY VOLUME) **LOWER:** N/A
FLASH POINT: N/A
METHOD USED: N/A
AUTOIGNITION TEMPERATURE: Not determined

NFPA HAZARD CLASSIFICATION

HEALTH: 1 **FLAMMABILITY:** 1 **REACTIVITY:** 0
OTHER: 0



EXTINGUISHING MEDIA: Water spray, dry chemical, foam or carbon dioxide.
SPECIAL FIRE FIGHTING PROCEDURES: Do not release runoff from fire control methods to sewers or waterways. Self-contained breathing apparatus and protective clothing should be worn.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may include carbon dioxide, carbon monoxide, hydrocarbons, iodine.

SECTION 6: ACCIDENTAL RELEASE MEASURES

SMALL SPILLS: Wipe up spills with absorbent material and place in a container for disposal.

LARGE SPILLS

Containment: Contain spills with an inert absorbent material. Do not permit spilled material to enter sewers or waterways.
Cleanup: Collect with an inert absorbent material and place in a container for disposal. Clean spill area with water and collect for proper disposal.
Regulatory Requirements: N/A

SECTION 7: HANDLING AND STORAGE

HANDLING PRECAUTIONS: None required.
STORAGE REQUIREMENTS: Store in a cool, dry place $\leq 25^{\circ}\text{C}$.
OTHER PRECAUTIONS / REGULATORY REQUIREMENTS: N/A

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: None required.
VENTILATION: No special ventilation is required.

PERSONNAL PROTECTIVE EQUIPMENT

Respiratory Protection: None required for normal use.
Eye Protection: Avoid eye contact.
Skin Protection: None required for normal use.
Other Protective Clothing or Equipment: Impervious gloves recommended if skin contact is possible.

WORK HYGIENIC PRACTICES: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Reddish-brown paste	BOILING POINT:	Not determined
PHYSICAL STATE:	Semi-solid	MELTING POINT:	35 - 45°C
ODOR:	Faint odor (odor threshold not determined)	FREEZING POINT:	Not determined
pH (@ 25° C):	3 - 5	WATER SOLUBILITY:	Forms a gel
VAPOR PRESSURE (mmHg):	1 mm Hg @ 38°C (iodine)	OTHER SOLUBILITIES:	Not determined
VAPOR DENSITY (AIR = 1):	8.8 (iodine)	VOLATILE ORGANIC COMPOUNDS (VOC):	Not determined
SPECIFIC GRAVITY (H₂O = 1, at 25° C):	0.8	% VOLATILE:	Not determined
DENSITY:	Not determined	EVAPORATION RATE:	< 1
VISCOSITY:	Not determined		

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

CONDITIONS TO AVOID (STABILITY / POLYMERIZATION): Open flames, excessive heat (> 200°F).

INCOMPATIBILITY (MATERIAL TO AVOID): Powdered aluminum, active metals, acetylene, acetaldehyde and ammonium hydroxide.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Thermal decomposition may include carbon dioxide, carbon monoxide, hydrocarbons, iodine.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE DATA

Eye irritation: Expected to be irritating
Skin irritation May cause allergic reaction in sensitive individuals
Inhalation: No data available
Oral: The LD50 in rats for cadexomer iodine is > 6 800mg/kg. The LD50 in rats for iodine is > 14 000mg/kg.

CHRONIC DATA

Chronic effects: None known
Carcinogenicity: No data available
Mutagenicity: No data available
Teratogenicity: Iodine crosses the placenta and has caused thyroid effects in the babies of women taking iodides.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: Not determined.

ENVIRONMENTAL FATE: Not determined.

ENVIRONMENTAL DEGRADATION: Not determined.

SOIL ABSORPTION / MOBILITY: Not determined.

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SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations. The state and local regulations may differ from federal regulatory requirements, and laws may change or be reinterpreted. This information only applies to the material as manufactured. Processing, use, or contamination may make the information inappropriate, inaccurate, or incomplete. Responsibility for proper waste disposal is with the owner of the waste. Contact your supplier or a licensed contractor for detailed recommendations.

DISPOSAL REGULATORY REQUIREMENTS: None known

CONTAINER CLEANING AND DISPOSAL: Dispose of container and unused contents in accordance with federal, state and local regulations.

SECTION 14: TRANSPORT INFORMATION

TRANSPORTATION OF DANGEROUS GOODS (TDG) Act & Regulations: Not regulated.

SECTION 15: REGULATORY INFORMATION

REGULATIONS: N/A

SECTION 16: OTHER INFORMATION

PREPARATION INFORMATION: Smith & Nephew Inc.

DISCLAIMER:

The MSDS summarises our best knowledge of the health and safety hazard information of the product as of the date above. It is intended for use by persons having technical skill and at their own discretion and risk. Users should read this MSDS and consider the information in the context of how the product will be handled and used, whether singly or in combination with other products. Since conditions of use are outside Smith & Nephew's control, Smith & Nephew makes no warranties, whether express, implied or statutory, as to the product which is the subject of this document, and assumes no liability in connection with any use of this information. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact Smith & Nephew.