Safety Data Sheet

1) Identification of Material and Manufacturer

Product Name	Iodine Wound Spray 1%
Product Use(s)	Anti-microbial
Manufacturer/Seller	Soft Jamb Company
Address	6298 Mt. Pinos Ct. Alta Loma, CA 91701, United States
Emergency Telephone	Chemtrec 800.424.9300
E-mail	steve@softjamb.com

2) Hazards Identification

a) **Classification:** Solution is non-hazardous.
b) **Signal Words:** None
Hazard Statements: None
Precautionary Statements: Wash hands after use.
c) **Unclassified Hazards:** None

3) Composition Information

Ingredient	CAS	Other Identifier	Concentration
Nonylphenoxypolyethanol-iodine complex	11096-42-7	None	1% w/w

4) First Aid Measures

Inhalation	Move victim to fresh air. Seek medical attention if breathing is distressed.
Skin Contact	Wash exposed area with soap and water. Seek medical attention if irritation persists.
Eye Contact	Immediately flush eyes with water, remove contacts if present, flush with water for another 10 minutes. Seek medical attention if irritation persists.
Ingestion	Do not induce vomiting. Give victim large quantities of milk or water and seek immediate medical attention.

5) Firefighting Measures

Extinguishing Media	Water, carbon dioxide, or foam
Special Hazards	May produce iodine fumes
Additional Information	Firefighter should wear self-contained breathing apparatus, if possible.

6) Accidental Release Measures

In case of spill, leak, or release	Dilute with water. Neutralize iodine with sodium metabisulfite or sodium thiosulfate with soda ash. Use clay absorbent.
Method of waste disposal	Follow all local, municipal, state, and federal guidelines, if in the United States of America. For all other countries, consult local, regional, or country regulations as applicable to a non-hazardous product.

- ***This material is non-hazardous.***
- ***Liquid material may be placed in appropriate containers and disposed of in accordance with applicable governmental agencies for your location.***
- ***Remaining residues may be washed to drain if allowable by law.***

7) Handling and Storage

• Store in cool, dry location away from chlorinated compounds	• Protect from heat, light, moisture	• Must use with adequate ventilation
• Chemical resistant gloves must be worn	• Safety glasses or goggles must be worn	• Wash hands thoroughly, immediately before and after use
• Wash with soap and water	• Do not use waterless hand cleaners	• Use good personal hygiene

8) Exposure Controls and Personal Protection

Alpha-(p-nonylphenyl)-omega-hydroxypoly(oxyethylene iodine complex)	**OSHA PEL**	Not Established
	ACGIH TLV	Not Established

Engineering Controls	Use adequate ventilation to control airborne mist exposure.
Personal Protection	• Wear OSHA-approved respirator with a HEPA cartridge or equivalent. • Wear chemical resistant gloves based on nitrile, neoprene, or rubber construction. • Wear safety glasses with side shields, or goggles. • Wear body protection to avoid skin contact.

9) Physical and Chemical Properties

Appearance	Dark brown liquid	**Flash Point**	400 C
Odor	Iodine	**Est. Explosive Range Limit**	LEL\UEL - Not Available
Odor Threshold	Not Available	**Flash Point Method Used**	Not Available
pH	4.5 – 5.2	**Partition Coefficient**	Not Available
Melting Point	Not Applicable	**Decomposition Temperature**	Not Available
Boiling Point	100 C	**Specific Gravity**	1.012 @ 25 C
Vapor Pressure	Not Available	**Explosive Properties**	Not Explosive
Evaporation Rate	Not Available	**Oxidizing Properties**	Not an Oxidizer
Solubility in Water	Complete	**Other Information**	Contains Iodine

10) Stability and Reactivity Data

Chemical Stability	Stable
Conditions to Avoid	Spark, flame, high heat, oxidizing agents, chlorinated compounds
Incompatibility	Spark, flame, high heat, oxidizing agents, chlorinated compounds
Hazardous Polymerization	Will not occur
Hazardous Decomposition	May release toxic iodine fumes when exposed to high heat.

11) Toxicology Information

Nonylphenoxypolyethanol-iodine complex - 1%	**LD_{50} (oral, mouse)**	Not Available

- ***Not considered orally toxic except with extreme intake levels.***
- ***Not considered a skin corrosive or irritant under normal exposure.***
- ***After abnormal exposure levels, or prolonged exposure, skin may become irritated and demonstrate redness, pain, dryness and itching.***
- ***Will cause eye irritation as evidenced by pain, redness and tearing of eyes.***
- ***Will be irritating to respiratory tract under normal conditions.***
- ***Avoid breathing mist.***
- ***Increased nasal mucous membrane production and increased tears in eyes may occur upon breathing mist.***
- ***Germ cell mutagenicity has not been conducted for this material.***
- ***This product does not contain any known carcinogens.***
- ***This product does not cause reproductive toxicity.***
- ***Note: Persons with shellfish allergies should never use or handle this product.***

12) Ecological Information

Toxicity	Not toxic to environment under U.S. EPA regulations.
Persistence/Degradation in Environment	Expected to completely degrade under typical circumstances under U.S. EPA standards.
Bioaccumulation	Does not accumulate under U.S. EPA standards.
Mobility in Soil	Not studied.

13) Disposal

- ***Under applicable U.S. Environmental Protection Agency regulations this material is not considered to be environmentally hazardous in regards to waste disposal.***
- ***Follow all local, municipal, U.S. state, and U.S.federal regulations if in the United States of America.***
- ***For other countries consult your local, area, or country regulatory authority as applicable to a non-hazardous product.***

14) Transportation and Shipping

Americas Region	Not classified as hazardous by DoT for ground shipping
Proper Shipping Name	Not classified
U.N. Number	Not classified as hazardous
International	Follow U.N. rec's in *The Transport of Dangerous Goods* (17th ed. rev.)
Ocean	Follow IMO International Maritime Dangerous Goods Code
Air	Follow IATA Dangerous Goods Regulation

15) Regulatory Information

Regulated Compound Registry Status			**SARA Section 312 Hazardous Categories**		
CERCLA Sec. 103 RQ#	NO	**EHS 302 TPQ**	NO	**Immediate (acute) Health Hazard**	NO
RCRA Sec. 261.33	NO	**TSCA Listed?**	YES	**Delayed (chronic) Health Hazard**	NO
SARA Sec. 261.33 RQ#	NO	**EPA Special Hazard**	NO	**Fire Hazard**	NO
SARA 312 Name List	NO	**CA Prop 65**	NO	**Reactivity Hazard**	NO
SARA 313 Name List	NO	**REACH Listed?**	NO	**Sudden Release of Pressure**	NO

16) Other Information

The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injuries from the use of the product described herein.

RESOURCES:

United States Environmental Protection Agency
United States Occupational Health and Safety Administration
United States Department of Transportation
United State Drug Enforcement Administration
United Nations "Transport of Dangerous Goods" 17th Edition, 2011
International Maritime "Dangerous Goods Code"
International Air Transportation Association "Dangerous Goods Regulation"

TERMINOLOGY:

ACGIH	American Conference of Governmental Industrial Hygienists	**RCRA**	Resource Conservation and Recovery Act
CA	State of California, U.S.A.	**REACH**	Registration, Evaluation, Authorization and Restriction of Chemicals
CAS	Chemical Abstract Services	**SARA**	Superfund And Reauthorization Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act	**TLV**	Threshold Limit Value
EHS	Environmental Health and Safety	**TPQ**	Threshold Planning Quantity
HEPA	High Efficiency Particulate Air	**TSCA**	Toxic Substances Control Act
LEL	Lower Explosive Limit	**UEL**	Upper Explosive Limit
LD_{50}	Lethal dose for 50% of population	**UN**	United Nations
MSHA	Mine Safety Health Administration	**IATA**	International Air Transport Association
NIOSHA	National Institute of Occupational Safety and Health	**EPA**	Environmental Protection Agency
OSHA	Occupational Safety and Health Administration	**DoT**	Department of Transportation
PEL	Permissible Exposure Limits	**IMO**	International Maritime Organization