SAFETY DATA SHEET

1. IDENTIFICATION

Product Name: Povidone Iodine Pads and Swabsticks **SDS 0054-00**

Finished Product Number: B40600, B51200, C12400, S41350, S41125, S42050, S42325

Formula Item Number: 4BS41101

Date of Preparation: July 13, 2018

Recommended use of the chemical and restrictions on use:
Recommended use: Antiseptic
Restrictions on use: For Professional and Hospital Use.

Manufacturer/Supplier: Nice-Pak/PDI, Inc.
Two Nice-Pak Park
Orangeburg, NY 10962-1376
Phone Number: 1-845-365-1700

Or Distributed by: Professional Disposables International, Ltd.
140 Woodbridge Ave., Unit CL-1, Market Lane Plaza
Vaughan, ON L4L 4K9 Canada
Phone Number: 1-800-263-7067

Emergency Phone Number: **PERS**: 1-800-633-8253 (Domestic/Canada)
1-801-629-0667 (International)

2. HAZARD(S) IDENTIFICATION

This product is a yellow to dark reddish brown liquid with a iodine odor impregnated on a pad or swabstick.

GHS Classification:

Physical	Health	Environmental
Not Classified	Specific Target Organ Toxicity-Repeated Exposure Category 1	Not Classified

Label Elements:
Danger!

Hazard Statements:
Causes damage to thyroid through prolonged or repeated exposure.

Precautionary Statements:
Do not breathe mists.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Get medical attention if you feel unwell.
Dispose of contents and container in accordance with local and national regulations.

Other Hazards: None known.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Concentration
Povidone Iodine	25655-41-8	7-13%

The specific identity and/or exact percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

Description of First Aid Measures:

Eye: Immediately flush eyes with water while lifting the upper and lower lids for several minutes. Remove contact lenses, if present and easy to do after 5 minutes of flushing, then continue flushing. Get medical attention if irritation persists.

Skin: No first aid should be required. This product is intended for use on the skin. If irritation develops and persists, discontinue use and get medical attention. Remove and contaminated clothing and launder it before reuse.

Inhalation: If symptoms develop move victim to fresh air. Get medical attention if irritation or other symptoms persists.

Ingestion: Ingestion is unlikely for solid products. No first aid is required for small amounts transferred from hands to mouth.

Most Important Symptoms/Effects, Acute and Delayed: Direct contact with liquid may cause mild eye irritation. May cause mild skin irritation or allergic reaction in some individuals that are sensitive to Iodine. May cause damage to the thyroid through prolonged or repeated exposure.

Indication of Immediate Medical Attention and Special Treatment, If Necessary: None required under normal conditions of use.

5. FIRE-FIGHTING MEASURES

Suitable (and Unsuitable) Extinguishing Media: Use media appropriate for surrounding fire.

Specific Hazards Arising From the Chemical: This product is not flammable or combustible. Product will burn under fire conditions. Combustion may release iodine vapours, oxides of carbon and nitrogen.

Special Protective Equipment and Precautions for Fire-Fighters: Firefighters should always wear self-contained breathing apparatus and full protective clothing for fires involving chemicals or in confined spaces.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Avoid contact with eyes. Wear appropriate protective clothing as described in Section 8.

Environmental Hazards: Avoid releases to the environment. Report spill as required by local and federal regulations.

Methods and Materials for Containment and Cleaning Up: Pick up pad or swabstick and place in an appropriate container for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with eyes. Wear protective clothing and equipment as described in Section 8. Wash hands with soap and water after use. Remove contaminated clothing and launder before re-use.

Conditions for Safe Storage, Including Any Incompatibilities: Store in a cool, dry location. Protect container from physical damage. Keep away from excessive heat and open flames.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:

Povidone Iodine (as iodine)	0.01 ppm TWA (inhalable fraction and vapour), 0.1 ppm STEL (vapour and aerosol) ACGIH TLV 0.1 ppm Ceiling OSHA PEL

Appropriate Engineering Controls: Use with adequate general or local exhaust ventilation to maintain exposure levels below occupational exposure limits.

Individual Protection Measures, Such As Personal Protective Equipment:
Respiratory Protection: None required for normal use.
Skin Protection: This product is intended for skin contact. Impervious gloves recommended for handling other than use.
Eye Protection: Wear safety goggles or other eye protection to prevent eye contact.
Other: None required under normal conditions of use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Yellow to dark reddish brown liquid impregnated on a pad or swabstick	**Flammable limits: LEL:** Not applicable **UEL:** Not applicable
Odor: Iodine	**Vapor pressure:** Not available
Odor Threshold: Not applicable	**Vapor density:** Not available
pH: 4.0-5.5 (saturant)	**Relative density:** 0.877 (saturant)
Melting point/freezing point: 0°C (32°F) (Saturant)	**Solubility(ies):** Saturant- infinite
Boiling point/range: 97.22°C (207°F) (Saturant)	**Partition coefficient (n-octanol/water):** Not available
Flash point: Not available	**Auto-ignition temperature:** Not available

Evaporation rate: Not available	**Decomposition temperature:** Not available
Flammability (solid, gas): Not applicable	

10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions of use.
Chemical Stability: Stable under normal storage and handling conditions.
Possibility of Hazardous Reactions: Hazardous polymerization will not occur.
Conditions To Avoid: Keep away from heat and open flames.
Incompatible Materials: Avoid contact with oxidizers, caustics, and reducing agents.
Hazardous Decomposition Products: Thermal decomposition may release iodine vapours, oxides of carbon and nitrogen.

11. TOXICOLOGICAL INFORMATION

Potential Health Effects:

Eye: Direct contact with liquid may cause mild irritation with redness and tearing.
Skin: No adverse effects are expected. This product is intended for skin contact. May cause mild skin irritation or allergic reaction in some sensitive individuals.
Inhalation: Inhalation of mists may cause mild upper respiratory tract irritation.
Ingestion: Ingestion is unlikely for solid products. No adverse effects expected under normal use.

Chronic Effects: Iodine may cause damage to the thyroid through prolonged or repeated exposure. Chronic ingestion of Iodides may cause Iodism (chronic iodine poisoning), which may result in skin rash, nasal discharge, sneezing, fever, headaches, weakness, anemia, and loss of weight.

Carcinogenicity: None of the components of this product are listed as a carcinogen or suspected carcinogen by OSHA, IARC, and NTP.

Reproductive Effects: Iodine: A combined 28-day repeated dose toxicity study with the reproduction/developmental toxicity screening test was conducted with Iodine in rats by oral gavage. No reproduction/developmental toxicity was observed at any dose level. Based on these results, a reproduction and developmental No Observed Adverse Effect Level. (NOAEL) of 10 mg/kg was derived. Reproductive harm is not expected from this product.

Mutagenic Effects: Iodine: The ability of povidone iodine to induce chromosome aberrations in D284 cells was evaluated in three different experiments. Povidone iodine did not induce chromosome aberrations with and without metabolic activation in D824 cells under testing conditions. This product is not expected to cause mutagenic activity.

Acute Toxicity:
Povidone-Iodine: oral rat LD50: 8000 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity: No data available for this mixture. The following data is for the individual components:

Iodine: 96 LC50 Oncorhynchus mykiss: 1.67 mg/L, 48hr LC50 Daphnia magna: 0.55 mg/L, 72 hr EC50 Desmodesmus subspicatus: 0.13 mg/L

This product is expected to be harmful to the aquatic environment. Releases to the environment should be avoided.

Persistence and Degradability: No data available
Bioaccumulative Potential: No data available
Mobility in Soil: No data available
Other Adverse Effects: None known.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all local, state and federal regulations.

14. TRANSPORT INFORMATION

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
US DOT	None	Not Regulated	None	None	Not applicable
Canadian TDG	None	Not Regulated	None	None	Not applicable
IMDG	None	Not Regulated	None	None	Not applicable
IATA	None	Not Regulated	None	None	Not applicable

Special precautions: None known

15. REGULATORY INFORMATION

Safety, Health, and Environmental Regulations Specific for the Product In Question:

U.S. FEDERAL REGULATIONS:

CERCLA 103 Reportable Quantity: This product is not subject to reporting under CERCLA. Some states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.

SARA TITLE III:

Hazard Category for Section 311/312: See OSHA Hazard Classification in Section 2.

Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: None

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All of the ingredients of this product are listed on the TSCA inventory or exempt.

STATE REGULATIONS:

California Proposition 65: This product does not contain substances known in the State of California to cause cancer and/or reproductive harm.

Massachusetts RTK: None listed.

Pennsylvania RTK: None listed.

Rhode Island RTK: None listed.

New Jersey RTK: None listed.

CANADIAN REGULATIONS:

Canadian Environmental Protection Act: All of the components in this product are listed on the Domestic Substances List (DSL) or exempt.

16. OTHER INFORMATION

HMIS Ratings: Health – 1*	Flammability – 1	Physical Hazard - 0
NFPA Ratings: Health – 1	Flammability – 1	Instability – 0

SDS Revision History: New SDS
Date of preparation: July 13, 2018
Date of last revision: N/A