



MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name: 10% PVP Iodine

Formula: Mixture

MSDS Date of Preparation: February 05, 2010

CareFusion

11400 Tomahawk Creek Pkwy

Leawood, KS 66211

PHONE: (800) 523-0502 FAX: (913) 451-8509

EMERGENCY CONTACT: CHEMTREC 1-800-424-9300

- This number to be used only for spills, leaks, fire, exposure or accidents. Please direct all other inquiries to CareFusion Customer Service at (800) 523-0502.

2. HAZARDS IDENTIFICATION

This product consists of small glass ampoule containing a clear, brown liquid with a characteristic odor inside an applicator.

EMERGENCY OVERVIEW

CAUTION!

Causes eye irritation. May cause skin irritation. Inhalation of vapors or mists may cause respiratory irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Amount
Polyvinylpyrrolidone-Iodine complex	25655-41-8	10%

4. FIRST AID MEASURES

Skin: Wash material off the skin with water. If redness, rash or a burning sensation develops, seek medical attention and discontinue use. .

Eyes: Flush with copious amounts of water. After initial flushing remove any contact lenses and continue flushing for at least 15minutes. Get medical attention if irritation persists.

Ingestion: Give individual one to two glasses of water to drink. Get immediate medical attention. (Never give anything by mouth to an unconscious person)

Inhalation: If symptoms of exposure develop, move to fresh air. Seek medical attention if symptoms persist.

(10% PVP Iodine) 1 of 5 Pages



5. FIRE FIGHTING MEASURES

Extinguishing Media: This product is not combustible. Use any media that is appropriate for the surrounding fire. Use water to cool fire exposed products.

Special Fire Fighting Procedures: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for all fires involving chemicals.

Unusual Fire & Explosion Hazards: Ampoules may explode if exposed to extreme heat or flame. Decomposition products are toxic.

6. ACCIDENTAL RELEASE MEASURES

For small spills, wipe or mop up and rinse to sewer serviced by a wastewater treatment facility. For large spills ventilate spill area. Wear skin, eye and respiratory protection during clean up (See Section 8). Soak up liquid with inert absorbent and collect into a suitable waste container. Wash residue from spill area with water and flush to sewer serviced by a wastewater treatment facility if permitted.

7. HANDLING AND STORAGE

Avoid prolonged exposure (ingestion, inhalation, or skin). Avoid breathing mists. Use in well ventilated areas.

Store in a cool, dry, well-ventilated area away from incompatible chemicals.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines:

Polyvinylpyrrolidone-Iodine complex	None Established
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Eye Protection: Avoid eye contact. Safety glasses or goggles recommended if eye contact is possible.

Gloves: Latex rubber or nitrile recommended for prolonged contact.

Respiratory Protection: If the exposure levels are excessive a NIOSH approved organic vapor/acid gas respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice.

Engineering Controls: Use with adequate general or local exhaust ventilation to minimize exposure levels.



9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	Approx 212°F	Melting Point:	N/A
Vapor Pressure:	Same as water	Specific Gravity:	Not determined
Vapor Density:	Same as water	% Volatile by volume:	98
Water Solubility:	Soluble	Evaporation Rate:	Same as water
pH	Unknown	Flash point:	None
Flammable Limits:	LEL: N/A	UEL:	N/A

Appearance & Odor: Clear, brown liquid with a characteristic odor

10. STABILITY AND REACTIVITY

Stability: Stable

Incompatibility: Oxidizing materials.

Hazardous polymerization: Will not occur.

Hazardous decomposition products: Carbon monoxide, carbon dioxide, iodine vapors.

Conditions to avoid: Excessive heat.

11. TOXICOLOGICAL INFORMATION

HEALTH HAZARDS:

Ingestion: Ingestion may cause mucous membrane and gastrointestinal irritation, abdominal pain, nausea and vomiting. May cause kidney and thyroid effects.

Inhalation: Inhalation of mists may cause mucous membrane and respiratory irritation.

Eye: Contact may cause irritation with redness, tearing and pain.

Skin: May cause irritation. In rare cases may cause skin sensitization (allergic reaction).

Chronic: Prolonged overexposure to iodine may cause iodism characterized by salivation, nasal discharge, fever, laryngitis, bronchitis and skin rash. Chronic exposure to iodine may also cause kidney and thyroid damage.

Carcinogenicity: None of the components is listed as a carcinogen or suspected carcinogen by IARC, NTP or OSHA.

Medical Conditions Aggravated by Exposure: Employees with pre-existing skin, kidney, thyroid and respiratory diseases may be at increased risk from exposure.

Acute Toxicity Values:

Polyvinylpyrrolidone-Iodine complex: Oral Rat LD50 >8,000 mg/kg

12. ECOLOGICAL INFORMATION

No data is available at this time.

(10% PVP Iodine) 3 of 5 Pages



13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

DOT Information

Proper Shipping Name: Not Regulated

Hazard Class: None

UN Number: None

IMO Information

Proper Shipping Name: Not Regulated

Hazard Class: None

UN Number: None

IATA Information

Proper Shipping Name: Not Regulated

Hazard Class: None

UN Number: None

15. REGULATORY INFORMATION

CERCLA: This product is not subject to CERCLA reporting requirements, however, many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA Hazard Category (311/312): Acute Health, Chronic Health.

SARA 313: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None

EPA TSCA Inventory: All of the ingredients in this product are listed on the EPA TSCA Inventory.

16. OTHER INFORMATION

HMIS Rating: Health = 1 Fire = 0 Reactivity = 0

ACGIH: American Conference of Governmental Industrial Hygienists

IARC: International Agency for Research on Cancer

(10% PVP Iodine) 4 of 5 Pages



OSHA: Occupational Safety and Health Administration
NTP: National Toxicology Program
PEL: Permissible exposure Level (OSHA)

TLV: Threshold Limit Value (ACGIH)
TWA: Time Weighted Average over 8 hours
TCC: Tagged Closed Cup

<i>REVISION SUMMARY</i>	
CAF NUMBER	2010-02-11
REVISION	E
DATE	02/05/10
SUMMARY OF CHANGE	Update company name and logo from Cardinal Health, Inc. to CareFusion throughout document.

To see remaining history see Rev. D