

Aurora Pharmaceutical LLC

MATERIAL SAFETY DATA SHEET

Section I – Product Identification			
Product Name or Identity:	PRO-TEC GOLD Povidone Iodine 10% Solution		
Manufacturer's Name:	Aurora Pharmaceutical, LLC	Emergency Phone No.	888-863-9376
	1196 S Hwy 3	Fax No.:	507-650-7250
	Northfield, MN 55057	Item number:	10-063
Date Prepared or Revised:	July 24, 2013		
Chemical Family:	Antiseptic microbicide		
Formula:	N/A		
Hazard Classification:	Non-hazardous		
HMIS Rating System:	Health=1 /Flammability=0 /Reactivity=0		

Section II – Hazardous Ingredients / Identity Information			
Ingredient	CAS#	TLV-TWA	Percent
Povidone Iodine	25655-41-8	NE	10

The hazard communication standard requires that such mixtures be assumed to present the same health hazard as do components that constitute at least 1% of the mixture (0.1% for carcinogens) although OSHA has noted that the hazards of individual components may be altered by including them in a mixture. Some of the ingredients of this mixture are a trade secret. NE=not established.

Section III – Physical Characteristics	
Boiling Point: 100° C/1 atm	Specific Gravity (H ₂ O = 1): 1.005 (20° C)
Vapor Pressure (mm Hg.): NA	Percent Volatile:
Vapor Density (AIR = 1): NA	Evaporation Rate (Butyl Acetate = 1): Negligible
Solubility in Water: Soluble in water and in alcohol	
Appearance and Odor: Clear dark brown liquid, slight odor	

Section IV – Fire and Explosion Hazard Data	
Flash Point (<i>Method Used</i>): (closed cup) NA	Explosion Limits: NA
Extinguishing Media: Water spray, carbon dioxide, dry chemical powder, or foam as appropriate for the surrounding material.	
Special Fire Fighting Procedures: Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.	
Unusual Fire and Explosion Hazards: None	

Section V – Reactivity Data			
Stability	Unstable		Conditions to Avoid:
	Stable	X	At normal operating temperatures
Incompatibility (<i>Materials to Avoid</i>): Strong alkalis, oxidizing or reducing agents			
Hazardous Decomposition or Byproducts: Carbon monoxide, carbon dioxide, other decomposition products			
Hazardous Polymerization	May Occur		Conditions to Avoid: See Incompatibility above
	Will Not Occur	X	

Section VI – Health Hazard Data			
Route(s) of Entry:	Inhalation: See Medical Conditions Generally Aggravated by Exposure below	Skin: Generally non-irritating to the skin. Prolonged exposure may cause irritation or skin sensitization.	Ingestion: See Medical Conditions Generally Aggravated by Exposure below
			Eyes: May cause minor irritation,
Health Hazards (<i>Acute and Chronic</i>)	Prolonged contact of large skin areas may lead to excessive absorption of iodine and should be avoided.		
Carcinogenicity: (National Toxicology Program) Not Listed		(International Agency for Research in Cancer) Not Listed	OSHA Regulated? Yes
Signs and Symptoms of Exposure: See Medical Conditions Generally Aggravated by Exposure below			
Medical Conditions Generally Aggravated by Exposure: Over exposure from breathing aerosols and/or iodine vapors may cause irritation to the respiratory tract, bronchitis and absorption through the lungs. High concentrations of iodine in the blood from inhalation or ingestion may cause thyroid disorder (hyperthyroidism) renal disturbances, acidosis and electrolyte disturbances such as increased iodine levels and severe hypernatremia. Conditions that may be aggravated by exposure to povidone iodine: asthma, chronic bronchitis and thyroid disorders.			
WARNING:			
Emergency / First Aid Procedures	Ingestion: If swallowed, do not induce vomiting. Drink several glasses of milk or water. Never give anything by mouth to an unconscious person. Get medical attention.		
	Inhalation: If aerosols or iodine vapor are inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.		
	Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.		
	Skin Contact: Remove contaminated clothing. Flush skin with plenty of water and wash thoroughly with soap and water. If irritation (redness, itching, swelling) develops, seek medical attention.		

Section VII – Precautions for Safe Handling and Use

Accidental Release Measures: CONTAINMENT: Prevent material from entering sewers, waterways, or low areas. Dike area for later disposal. Wear suitable protective clothing and equipment. Vacuum or mop up liquid and place in a container suitable for chemical waste: avoid generation of aerosols. Place collected material into a suitable container for disposal. Thoroughly wash area with detergent and water. Dispose of all solid waste and wash and rinse water in accordance with federal, state, and local regulations.

Waste Disposal Method: This material is not listed under US RCRA. Disposal of this material must be in accordance with federal, state/provincial, and local regulations.

Handling and Storage: Avoid procedures that will generate aerosols. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Wash contaminated clothing after use. Sue with adequate ventilation. Close container after each use. Store in an airtight container. Keep container closed. Store at room temperature.

Other Precautions: Keep from contact with oxidizing or reducing materials.

Section VIII – Control Measures

Respiratory Protection (Specify Type):
Not normally needed if local exhaust is satisfactory

Ventilation	Local Exhaust: Handle material under adequate ventilation.	Special: None
	Mechanical (General):	Other:
Protective Gloves: Yes		Eye Protection: Wear safety glasses with side shields.

Other Protective Clothing or Equipment: Wear full-face protection when judged that the possibility exists for eye and face contact. Wear an appropriate NIOSH-approved air purifying respirator in situations where a respirator is judged appropriate to prevent inhalation. Wear impervious clothing such as gloves, lab coat, shoe covers, apron, or jumpsuit, as appropriate to prevent skin contact.

Work / Hygienic Practices: Consult the site safety professional for additional guidance as needed.

Section IX – Transportation Information

THIS MATERIAL IS NOT A HAZARDOUS MATERIAL FOR TRANSPORTATION US DOT

ADR/RID class:

IMDG Class:

ICAO/IATA Class:

Hazard Class -

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