




## SAFETY DATA SHEET BovaPro Barrier Film

SECTION 1: IDENTIFICATION	
<b>Product Name:</b>	BovaPro Barrier Film
<b>EPA Registration #:</b>	N/A
<b>Product ID:</b>	3100FM
<b>Common Name:</b>	Iodine Teat Dip
<b>Chemical Description:</b>	Iodine solution
<b>Recommended Uses:</b>	Teat Dip
<b>Restrictions for Use:</b>	Reserved for industrial and professional use.
<b>Manufacturer/Supplier</b>	<b>TRANSPORTATION EMERGENCY TELEPHONE NUMBER: 1-800-424-9300 (CHEMTREC 24hrs) Outside United States and Canada CALL: +1 (703) 741-5500</b>
<b>AgroChem, Inc</b> 26 Freedom Way Saratoga Springs, NY 12866	<b>Non-Emergency Business Inquiries: 1-518-226-4850</b> Mon – Fri 8am – 5pm (Eastern Standard Time)

SECTION 2: HAZARDS IDENTIFICATION			
<b>EMERGENCY OVERVIEW:</b> Liquid, dark brown reddish with iodine odor.			
<b>POTENTIAL HEALTH EFFECTS:</b>			
<b>Eyes:</b> Eye /irritation.			
<b>Skin:</b> None known			
<b>Inhalation:</b> None known			
<b>Ingestion:</b> None known			
<b>Preexisting Conditions:</b> None known			
<b>Chronic Health Effects:</b> None known			
<b>Environmental Hazards:</b> None known			
<b>Carcinogenicity</b>	NTP: Not listed	IARC: Not listed	OSHA: Not listed
<b>OSHA HCS 2012 CLASSIFICATION:</b>			
<b>SIGNAL WORD:</b> Warning			
			
<b>HAZARD STATEMENTS:</b>			
H318 Causes serious eye irritation.			
<b>PRECAUTIONARY STATEMENTS:</b>			
P102 Keep out of reach of children.			
P264 Wash thoroughly after handling.			
P280 Wear protective gloves/protective clothing/eye protection/face protection.			
<b>Response:</b>			
P305/351/338IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.			
P337+P313 If eye irritation persists: Get medical advice/ attention..			
<b>Storage:</b> P411 Store at temperatures above freezing.			
<b>Disposal:</b> P501 Dispose of contents/container in accordance with local/regional/national/international See Section 13 for disposal information.			

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Pure substance/mixture:</b>	Mixture	
<b>Component</b>	<b>% (wt)</b>	<b>CAS Reg. #</b>
Polyethoxy polypropoxy polyethoxy ethanol - iodine complex	10.0%	*26617-87-8
*Ingredients/components not specifically listed are non-hazardous and/or are considered to be confidential business information under 29 CFR 1910.1200(i).		
See Section 8 for exposure limits.		

**SECTION 4: FIRST AID MEASURES**

<b>Eyes:</b>	Flush eyes with clean water for at least 15 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. Seek medical attention if irritation persists.
<b>Skin:</b>	Wash with plenty of water.
<b>Ingestion:</b>	Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur.
<b>Inhalation:</b>	Get medical attention if symptoms occur.
<b>Protection of first-aiders:</b>	If potential for exposure exists refer to Section 8 for specific personal protective equipment.
<b>Notes to physician:</b>	Treat symptomatically.  See toxicological information (Section 11)

**SECTION 5: FIRE FIGHTING MEASURES**

<b>Suitable Extinguishing Media:</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable Extinguishing Media:</b>	None known.
<b>Special Fire Fighting Procedures:</b>	Not flammable or combustible.
<b>Hazardous Combustion Products:</b>	Carbon oxides, nitrogen oxides (NOx), Sulfur oxides, Oxides of phosphorus
<b>Unusual Fire and Explosion Hazards:</b>	None known
<b>Specific extinguishing methods:</b>	Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

<b>Personal Precautions, Protective Equipment and Emergency Procedures:</b>	Use personal protective equipment. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.
<b>Environmental Precautions:</b>	Try to prevent contact with soil, surface or ground water. If the product contaminates rivers and lakes or drains inform respective authorities.
<b>Methods for Containment and Clean Up:</b>	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local regulations. Keep in suitable, closed containers for disposal. Never return spills in original containers for re-use. Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

**SECTION 7: HANDLING AND STORAGE**

<b>Avoid contact with skin and eyes.</b>	Avoid contact with skin and eyes. Wash hands thoroughly after handling.
<b>Conditions for Safe Storage:</b>	Keep out of reach of children. Store in suitable labeled containers.
<b>Minimum Storage Temperature:</b>	-20 °C to 50 °C

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**
**Ingredients with workplace control parameters**

Contains no substances with occupational exposure limit values.

**Personal Protective Equipment (PPE)**

**Eye/Face Protection:** Safety glasses with side-shields

**Skin Protection:** No special protective equipment required.

**Respiratory Protection:** No personal respiratory protective equipment normally required.

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling.

**Engineering Controls:** Effective exhaust ventilation system. Ensure that eyewash stations and safety showers are close to the workstation location.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State:</b>	Liquid	<b>Specific Gravity (H<sub>2</sub>O=1):</b>	1.026
<b>Vapor Pressure (mm Hg):</b>	No data available	<b>Bulk Density:</b>	Not determined
<b>Vapor Density (Air=1):</b>	No data available	<b>Melting/freezing Point:</b>	No data available /0°C (32°F)
<b>Solubility in Water (wt %):</b>	100%	<b>Boiling Point/Range:</b>	100°C (212°F)
<b>Viscosity:</b>	Not available	<b>pH:</b>	4.5-5.0
<b>Appearance and odor:</b>	Dark brown, reddish liquid with iodine odor.	<b>Flash Point:</b>	Not available
<b>Evaporation Rate:</b>	No data available	<b>Flammability:</b>	Not available

**SECTION 10: STABILITY AND REACTIVITY**
**Reactivity:**

**Chemical Stability:** Stable under normal storage conditions.

**Possibility of Hazardous Reactions:** No dangerous reaction known under conditions of normal use.

**Conditions to Avoid:** None known.

**Incompatible Materials:** Bases.

**Hazardous Decomposition Products:** Carbon oxides, nitrogen oxides (NO<sub>x</sub>), Sulfur oxides, Oxides of phosphorus.

**SECTION 11: TOXICOLOGICAL INFORMATION**
**Information on Likely Routes of Exposure**

Inhalation, Eye contact, Skin contact

**Potential Health Effects:**
**Eye Effects:**

Health injuries are not known or expected under normal use.

**Skin Effects:**

Health injuries are not known or expected under normal use.

**Ingestion:**

Health injuries are not known or expected under normal use.

**Specific Target Organ T**

None known

**Serious Eye**
**Damage/Irritation:**

Causes serious eye irritation (Redness, Pain, Irritation.)

**Respiratory or Skin**

Not available

**Sensitization:**
**Acute oral toxicity**

Not available

**Germ Cell Mutagenicity:**
**Carcinogenicity:**

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**Reproductive Toxicity:**

Not available

**Specific Target Organ Toxicity**

Not available

**(STOT) – Single Exposure:**
**Specific Target Organ Toxicity**

Not available

**(STOT) – Repeated Exposure:**

Not available.

**Aspiration Hazard:**

Not available

**SECTION 12: ECOLOGICAL INFORMATION**
**ENVIRONMENTAL SUMMARY:** Not determined

**ECOTOXICITY DATA:**
**Soil Absorption/Mobility:**

No data available

**Persistence and degradability:**

No data available

**Bioaccumulative Potential:**

No data available

**Other adverse effects:**

Toxic to aquatic life.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

**SECTION 14: TRANSPORT INFORMATION**
**DOT:** UN/NA Number: Not dangerous goods

**(Ground)** Proper Shipping Name: n/a

Packing Group: n/a

Marine Pollutant: n/a

Labels Required: n/a

Reportable Quantity: n/a

**IMDG:**
**(Sea)**

Not determined

**IATA:**
**(Air)**

Not determined

**TDG:**
**(Canada)**

Not determined



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<b>SECTION 15: REGULATORY INFORMATION</b>	
<b>EPCRA - Emergency Planning and Community Right-to-Know</b>	
<b>SARA Title III Information:</b>	
<b>Section 302 - Extremely hazardous substances:</b>	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
<b>Section 311/312 – Hazard Categories:</b>	Acute Health Hazard
<b>Section 313</b> – This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.	
Canadian Environmental Protection Act, Domestic Substance List (CEPA-DSL): All components of this product are on the Canadian DSL	
<b>CERCLA</b> - This material does not contain any components with a CERCLA (RQ) under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA):	
<b>California Proposition 65:</b> This product does not contain any chemicals known to the state of California to cause cancer, birth, or any other reproductive defects.	
Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA): Not applicable	
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants:– No	
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention 40 CFR 68.130: Hydrogen Peroxide (CAS 7722-84-1) – No	
Clean Water Act (CWA) 40 CFR 401.15: Hydrogen Peroxide (CAS 7722-84-1) – No	

<b>SECTION 16: OTHER</b>			
<u>HMIS RATINGS</u>		<u>NFPA RATINGS</u>	
Health	2	Health	2
Flammability	0	Flammability	0
Reactivity	0	Reactivity	0
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