

# Safety data sheet

## 1. IDENTIFICATION AND USE OF THE PRODUCT AND SUPPLIER

PRODUCT NAME **IO-PRO**  
USAGE: ANTISEPTIC IODINE-BASED TEAT BATH  
Veterinary Use

Maker **LIBERCHEM**  
LIBERCHEM Inc.  
572 Avenue Orly, Dorval  
Quebec, Canada  
H9P 1E9  
Tel: 514 631-7177

EMERGENCY PHONE  
Poison Control Centre (Quebec): 1 (800) 663-5060  
CANUTEC: (613) 996-6666

## 2. IDENTIFICATION OF HAZARDS

### • Risk classification of the substance - Hazard statement

- This product is not regulated; it is not classified according to the Globally Harmonized System (GHS)

### • Labeling Element

- Not applicable

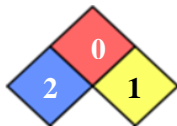
### • Precautionary Advice

- Not applicable

The mixture consists of ingredients of unknown toxicity.

Dispose of container contents in accordance with national, international, regional and local regulations.

NFPA Classification System - scale (0-4)



Santé = 2  
Inflammability = 0  
Instability : 1

HMIS - échelle (0-4)

<b>HEALTH</b>	2
<b>FLAMMABILITY</b>	0
<b>PHYSICAL DANGER</b>	1

## 3. COMPOSITION / COMPONENT INFORMATION

### HAZARDOUS INGREDIENTS

Chemical Name: Mixtures

Description: Mixture of the substances listed below with non-hazardous additions

7553-56-2	Iode alkylpolyethoxy ethanol complex	2.5 – 2.7 %
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## 4. FIRST AID

INHALATION: Bring the victim to fresh air. If the victim is unconscious, place him on his side before transporting him. Getting medical attention  
SKIN: Rinse with water. Remove contaminated footwear and clothing. If irritation and persistence, seek medical attention.  
EYES: Rinse eyes under clean running water. If irritation occurs, seek medical attention  
INGESTION: DO NOT INDUCE VOMITING, Do not make an unconscious person swallow. If the victim is conscious, rinse the victim's bouche.et make him take a lot of water. Seek medical attention immediately.

- Most significant symptoms and effects (acute and delayed): (Refer to section 11) -No other important information available
- Immediate medical management or special treatment, if appropriate: If swallowed, gastric lavage with a soluble protein or starch solution will remove iodine in the stomach. Subsequent treatment may consist of correcting the imbalance between the electrolyte and the fluid.

## 5. FIRE-FIGHTING MEASURES

- EXTINGUISHING MEANS: Use the appropriate means to extinguish the fire: Water, Carbon dioxide (CO<sub>2</sub>), chemical foam, earth or sand
- INAPPROPRIATE EXTINGUISHING AGENTS: No other important information available.
- HAZARDS SPECIFIC TO THE HAZARDOUS PRODUCT OR MIXTURE: No other important information available
- SPECIAL PROTECTIVE EQUIPMENT AND SPECIAL PRECAUTIONS FOR FIREFIGHTERS: Use personal protective equipment.

## 6. MEASURES IN THE EVENT OF AN ACCIDENTAL SPILL

- PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY MEASURES: Wear protective equipment, keep unprotected people away. (Refer to section 8 for personal protection). And section 13 for product disposal data.
- METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING: Using absorbent materials such as sand, vermiculite, universal absorbents, sawdust, Use adequate ventilation. (Refer to section 13 for product disposal).

## 7. HANDLING AND STORAGE

- **SAFE HANDLING PRECAUTIONS:** The workplace must be well ventilated to prevent the formation of vapours. CAREFUL! Risk of causing eye and skin irritation. Prevent contact with eyes, skin, and clothing. Wear recommended protective equipment. Keep containers tightly closed when not in use. Wash thoroughly after handling.
- **INCOMPATIBLE STORAGE AND MATERIAL SAFETY CONDITIONS:** Aluminum corrosive

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

- CONTROL PARAMETERS,

### COMPONENTS WITH OCCUPATIONAL EXPOSURE LIMIT VALUES

56- 81-5 Glycerin (2.5 – 10%)

PEL 5 mg/m<sup>3</sup> (respiratory fraction)

- **APPROPRIATE ENGINEERING MEASURES:** Ensure adequate ventilation, especially in enclosed areas. Local exhaust ventilation, or any other technical means of control to keep levels of suspended substances below exposure limits. Emergency eyewash stations and showers must be available in the workplace while handling this product.

- **PERSONAL PROTECTIVE MEASURES:**

GLOVES: Waterproof gloves



EYES: Protective eyewear



PROTECTION: Boots to the needs



OTHER: Protective clothing



## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Dark brown liquid
SMELL	Iodine
OLFACTORY SMELL	Not available
ph	4.2 – 4.8
MELTING POINT	Not available
POINT OF EBULLITION	100°C.
FLASH POINT	160°C.
EVAPORATION RATE	Not available
FLAMMABILITY (Solid, Gas)	Not applicable
LOWER FLAMMABILITY LIMITS	Not available
UPPER FLAMMABILITY LIMITS	Not available
VAPOUR PRESSURE (20 °C)	17 mm Hg
DENSITY (20 °C)	1.010 – 1.025
WATER SOLUBILITY	Complete
STEAM DENSITY	Not available
PARTITION COEFFICIENT (n-octanol/water)	Not available
TEMPERATURE DE DECOMPOSITION	Not available
VISCOSITY (Brookfield)	Not applicable

## 10. STABILITY. AND RESPONSIVENESS

- **RESPONSIVENESS**
- **CHEMICAL STABILITY** Stable under normal conditions
- **RISK OF DANGEROUS REACTIONS** No known dangerous reactions
- **CONDITIONS TO AVOID** No other important information available
- **INCOMPATIBLE MATERIALS** Base, several metals, ammonia, products that release chlorine.
- **HAZARDOUS DECOMPOSITION PRODUCTS** Iodine vapour, carbon monoxide.

## 11. TOXICOLOGICAL DATA

- INFORMATION ON TOXIC EFFECTS,

HEALTH EFFECTS Risk of aggravating already existing respiratory, ocular and skin diseases.

CHRONICLE EXHIBITION Risk of causing dermatitis plaques

CARCINOGENICITY No components of this product have been identified as probable, possible or recognized carcinogens for humans by the IARC.

MUTAGENICITY Data not available

TERATOGENICITY Data not available

## 12. ECOLOGICAL DATA

ECOTOXICOLOGY The product is not classified as hazardous to the environment. However, this does not preclude the possibility that large or frequent spills may have a harmful or harmful effect on the environment.

PERSISTENCE AND DEGRADATION Unknown data

POTENTIAL FOR BIOACCUMULATION/MOBILITY IN SOIL This product is not presumed to be bio accumulative

OTHER ADVERSE EFFECTS Unknown data

## 13. PRODUCT DISPOSAL DATA

Dispose of this product and its container at a hazardous or special waste collection centre. Do not allow the substance to seep into sewers/water supply lines. Destroy in accordance with all applicable regulations

WASTE RESIDUES / UNUSED PRODUCTS Dispose of in accordance with all local, provincial and federal regulations.

## 14. TRANSPORTATION INFORMATION

Number one Unregulated  
TMD, DOT, IMDG, IATA  
Legal designation for transport Unregulated

Transport hazard class Unregulated

Packing Group Unregulated

Environmental hazards No

## 15. REGULATORY INFORMATION

**DRUG IDENTIFICATION NUMBER: 02482118**

Product As Sold  
WHMIS Classification Unregulated

The components of this product are listed in the following inventories

- **Canadian Domestic Substances List (DSL):** All components of this product are listed on the Canadian Domestic Substances List (DSL).
- **U.S. TSCA Inventory:** In the TSCA Inventory

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Version 3.0  
Prepared by Regulatory Affairs Department.

We have characterized the general risks of the product according to *the USE WE RECOMMEND FOR THIS PRODUCT.*

Any use that does not conform to our recommendations may affect the risk characterization.

This MSDS contains health and safety information. The product is to be used in applications that are consistent with our product documentation. Anyone handling this product should be informed of the precautions to be taken with respect to the product and should have access to this information. For all other uses, exposures must be assessed to allow for the implementation of handling practices and training programs that can ensure safety in the workplace. For more information, please speak to your technical representative.

DISCLAIMER: The above information is based on data believed to be accurate. No warranty, express or implied, is based with respect to this data or information. It is the user's responsibility to determine whether the product is suitable for the intended conditions of use.