

Material Safety Data Sheet

Date: March 14, 2019

Product: Antiseptic Iodine Spray / Iospray (1%)

Product Information: Iodine Spray

Product Code: 10L-ISPRA, 10L-ISRPA4

D.I.N. 0049600

Manufacturer/Supplier: Dominion Veterinary labs LTD.
1199 Sanford St
Winnipeg , Manitoba
R3E 3A1
Telephone: (204)-586-3484
Fax: (204)-943-9612

Product use: As an aid in the treatment and control of bacterial infections of superficial wounds, cuts, abrasions, navel stumps, dockings, and castration wounds. Also for disinfection of skin areas prior to injections or surgical procedures.

Chemical Identity: Blend

CAS No. and name: Blend

Formula and M.Wt.: Blend

WHMIS classification: Flammable liquid, Class B-2
Toxic Material, Class D-2B

TDG classification: Flammable Liquid, n.o.s. (Isopropyl Alcohol)
Class: 3
UN 1993
Packing Group: II
Exemption: Limited Quantity 1.17

Hazardous Ingredients

Chemical Identity	CAS#/NA#/UN#	Conc.(w/w)	LD50
Isopropanol	67-63-0	60-100%	LD50(Oral Rat) 5045 mg/kg
PVP- Polyvinylpyrrolidone	25655-41-8	100%	LD50(Oral Rat)5900 mg/kg

Physical Data

Physical State:	Liquid		
Appearance and Odour:	Dark brown liquid: aromatic odour		
Odour threshold:	40 ppm - Isopropanol	Boiling Pt. (Deg.C) :	N/A
Specific Gravity:.	90	Freezing Pt.(Deg.C):	N/A
Vapour Pressure:	N/A	pH:	3.5
Vapour Density:	N/A	Density(g/mL):.	90/ml
Evaporation Rate:	N/A	Water Solubility:	Soluble

Fire or Explosion Hazards

Conditions of flammability: Requires a source of ignition, the presence of air, and a temperature greater than the flash point.

Means of extinction:

Large fires-Use water spray, foam, dry chemical, or carbon monoxide.

Small fires-(Same as above)

Flashpoint and method of determination:(TCC, Deg. C)-19 C - Pensky-Martens

Upper flammable limit: N/A

Lower flammable limit: N/A

Auto-Ignition Temperature: N/A

Hazardous combustion products: Carbon oxides and products of incomplete combustion.

Explosion Data- Sensitivity to mechanical impact: Not sensitive

Explosion Data-Sensitivity to static discharge: Potential for fire and/or explosion. Grounding and use of explosion-proof equipment is required.

Reactivity Data

Chemical Stability: Stable under normal conditions. Hazardous polymerization will not occur.

Incompatible Substances: Avoid strong oxidizing and reducing agents.

Conditions of reactivity: Avoid contamination with reactive substances. Avoid excessive heat. Avoid heating above flashpoint.

Hazardous decomposition products: Acrid smoke and fumes emitted when heated to decomposition. Oxides of carbon.

Toxicological properties

Effects of Accute Exposure:

Route of Entry:

Skin contact:	Contact may cause irritation, redness, swelling, or dermatitis.
Eye absorption:	Will cause painful burning or stinging of eyes and lids, watering of eyes, and inflammation of conjunctiva.
Inhalation:	Vapours could cause headache, nausea, dizziness, and respiratory irritation if inhaled.
Ingestion:	May cause abdominal discomfort, nausea, vomiting, and diarrhea. Doses of 150 mL and above can be fatal.

Effects of chronic exposure: Skin irritation or dermatitis may occur upon frequent or prolonged contact.

Exposure limits: TLV= 400 ppm-Isopropanol (ACGIH)

Irritancy of product:

Skin:Moderate irritant

Eye:Severe irritant

Sensitization to material: No evidence to indicate sensitizer.

Carcinogenicity: Product has not been listed as a carcinogen or potential carcinogen by either the ACGIH or the IARC.

Reproductive toxicity: N/A

Teratogenicity: N/A

Mutagenicity: N/A

Toxicologically synergistic products: N/A

Preventive Measures

Personal protective equipment: Chemical goggles, impervious gloves and protective clothing as required to prevent contact. Use NIOSH-approved air-purifying respirator with chemical cartridge for protection against organic vapours.

Engineering controls: General ventilation with a good source of make-up air recommended for all indoor situations. Local ventilation recommended at source of contaminant generation. Ventilation should be adequate enough to maintain air concentrations below the designated exposure limit.

Handling procedures and equipment: Avoid prolonged or frequent contact when handling material. Avoid breathing mist or vapour. Use a NIOSH-approved chemical-cartridge respirator, if adequate ventilation cannot be provided. Avoid skin or eye contact. Protective measures during repair/maintenance of equipment: Wash equipment thoroughly with steam or warm water until clean. Check for flammables with an explosion meter and also check the oxygen level with an oxygen meter. In all cases, follow good industrial safety practices before entering equipment.

Storage requirements: Keep container closed when not in use. Store in cool and dry location away from oxidizing and reducing agents.

Special shipping information: Handle according to the requirements set out in the Transport of Dangerous Goods regulations for: For bulk shipments only: ISOPROPANOL SOLUTION, UN#1219, CLASS 3, P.G. II

Procedures for handling leaks or spills: Eliminate sources of ignition. Collect into waste container. Absorb remaining product with earth or sand and dispose of with solid waste. Wash spill site after material pick-up. Do not breathe vapours. Use NIOSH-approved respirator if exposed to vapours. Avoid drainage of spilled material to sewers or waterways.

Waste disposal: Dispose of waste according to federal, provincial, and local regulations. May be used directly as a fuel stock with appropriate emissions control equipment. Otherwise, incinerate directly with or without other flammable solvent additives.

First Aid Measures

Skin contact: Immediately flush skin with plenty of water for at least 15 minutes while removing clothing and shoes. Call a physician. Wash clothes before re-use.

Eye contact: Immediately flush eyes with water for 15 minutes and call a physician. Contact lenses should not be worn when working with this material.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.

Ingestion: Induce vomiting by giving two glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person. Call a physician.

Prepared by: David Earn

Date: March 14, 2019

Checked By: _____D.Earn_____

The information contained herein is, to the best of our knowledge, true and accurate. Any recommendations or suggestions are made without obligation on our part and the Company accepts no liability to any customers, their employees or any other person whatsoever for any loss, injury or damage whether direct or consequential, which may be caused by an error or omission from this sheet even if negligence or otherwise.

f:\user\lab\msds\iodspray.doc