

LUGOL'S IODINE SOLUTION

MATERIAL SAFETY DATA SHEET

N/D = NO DATA

N/A = NOT APPLICABLE

SECTION 1 - PRODUCT INFORMATION

MANUFACTURER AND SUPPLIER	Cochimbec Inc. 8561 chemin Dalton Ville Mont-Royal, Quebec H4T 1V5
EMERGENCY TELEPHONE NUMBER	(514) 990-1935
PRODUCT	Iodine solution
SYNONYMS	Lugol's solution
PRODUCT USE	Laboratory reagent

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS		CONCENTRATION	CAS No.	P.I.N. (U.N.)
Iodine		0.1 - 1.5%	7553-56-2	N / A
Potassium Iodide		1 - 3 %	7681-11-0	N / A
LD ₅₀ SPECIES: rabbit	CONCENTRATION: 77000 mg / Kg		ROUTE: oral	
LD ₅₀ SPECIES:	CONCENTRATION:		ROUTE:	
LC ₅₀ SPECIES:	CONCENTRATION:		TIME:	
LC ₅₀ SPECIES:	CONCENTRATION:		TIME:	

SECTION 3 - PHYSICAL DATA

PHYSICAL STATE	Liquid	DENSITY	1.02 g / mL
ODOUR	Slight Iodine odor	EVAPORATION RATE (nBuAc = 1)	N / D
APPEARANCE	Dark brown	BOILING POINT	N / D
ODOUR THRESHOLD	N / D	FREEZING POINT	N / D
VAPOUR PRESSURE	N / D	pH @ 25 °C (5% solution)	N / D
VAPOUR DENSITY	N / D	COEFF. DE WATER/OIL DISTRIBUTION	N / D

SECTION 4 - FIRE OR EXPLOSION HAZARD

CONDITIONS OF FLAMMABILITY	Non flammable.
MEANS OF EXTINCTION	N / A
FLASHPOINT AND METHOD	N / A
UPPER EXPLOSION LIMIT	N / A
LOWER EXPLOSION LIMIT	N / A
AUTO-IGNITION TEMPERATURE	N / A

HAZARDOUS COMBUSTIONS PRODUCTS	N / A
EXPLOSION DATA- SENSITIVITY TO STATIC DISCHARGE	None.
EXPLOSION DATA- SENSITIVITY TO MECHANICAL IMPACT	Not sensitive to chock.

SECTION 5 - REACTIVITY DATA

CHEMICAL STABILITY	Stable
INCOMPATIBLE MATERIALS	None expected.
CONDITION OF REACTIVITY	Excessive heat.
HAZARDOUS DECOMPOSITION PRODUCTS	Iodine.

SECTION 6 - TOXICOLOGICAL PROPERTIES

SKIN CONTACT	May cause an irritation and dermatitis.
SKIN ABSORPTION	May cause an irritation and dermatitis.
EYE CONTACT	The product will cause eye irritation.
INHALATION	The product may cause irritating to the nose, throat and lungs.
INGESTION	The product is harmful. May cause headaches abdominal pains, nausea, excessive thirst, circulatory failure.
EFFECTS OF ACUTE EXPOSURE	See above.
CHRONIC EXPOSURE EFFECTS	No specific information available. Consider contact, inhalation and ingestion risks.
EXPOSURE LIMITS	N / D
IRRITANCY OF PRODUCT	See above.
SENSITIZATION TO PRODUCT	None
CARCINOGENICITY	Not found to be carcinogenic
REPRODUCTIVE TOXICITY	N / D
TERATOGENICITY	N / D
MATAGENICITY	N / D
TOXICOLOGICALLY SYNERGISTIC PRODUCT	None known

SECTION 7 - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT	Use rubber gloves and rubber apron or other appropriate clothing and goggles when handling this product.
SPECIFIC ENGINEERING CONTROLS TO BE USED	Use with good local ventilation.
PROCEDURES TO FOLLOW FOR LEAKS AND SPILLS	Clean up spills using absorbing material and dispose in DOT approved containers. Rinse thoroughly with water to remove any residue.
WASTE DISPOSAL	Dispose of contaminated product and cleaning material according to government laws Consult your federal, provincial and municipal agencies to determine elimination procedure. Do not dispose as ordinary waste nor throw in sewers.
HANDLING PROCEDURES AND EQUIPMENT	No particular precaution.

STORAGE REQUIREMENTS

Store away from incompatibles. Store in a cool ventilated area.

SPECIAL SHIPPING INFORMATION

No particular precaution.

SECTION 8 - FIRST AID MEASURES

EYE CONTACT	Rinse with running water for 15 minutes while lifting upper and lower eyelids from time to time. Obtain medical attention immediately if irritation persists.
SKIN CONTACT	Rinse with running water for 15 minutes. Remove contaminated clothing. Obtain medical attention immediately if irritation persists.
INHALATION	Remove victim to fresh air. If victim is not breathing, begin artificial respiration. If breathing is difficult, get medical attention.
INGESTION	If the victim is conscious, have him drink 1 or 2 glasses of water. DO NOT INDUCE VOMITING. Do not give anything by mouth to an unconscious person or a convulsive victim. In case of spontaneous vomit, tilt victims head forward and have him bend forward. Have victim rinse mouth with water and then have him drink some water. Obtain medical attention.

SECTION 9 - PREPARATION OF DATA

PREPARED BY:	Cochimbec Inc.
TELEPHONE NUMBER:	(514) 990-1935
DATE PREPARED:	Jan. 14, 2016

The information contained herein are offered for information purposes for the handling of the product and is given in good faith by a technically qualified personell. It must, nevertheless, not be considered complete, since methods and conditions of use as well as handling may be extended to other aspects. No warranty, expressed or implied, is made and the company cannot be held liable for damages, loss, injury or any accidental damage resulting from the use of the supplied information. The Material Safety Data Sheet is valid for three years. NO WARRANTY, EXPRESS OR IMPLIED, IS MADE OF MERCHANTABILITY, FITNESS OR OTHERWISE.