

Section 1 Chemical Product and Company Information



CHEMTREC 24 Hour Emergency
Phone Number (800) 424-9300
 For laboratory use only
 Not for drug, food or household use

Product: IODINE-POTASSIUM IODIDE SOLUTION

Synonyms: Iodine Iodide Iodine Solution Iodine Iodine Lugol's Dilute Gram's Iodine Solution Iodine 2% Dilute Lugol's Solution

Section 2 Hazards Identification

Signal word: WARNING

Pictograms: GHS07 GHS09

Target organs: Thyroid, kidneys, endocrine system, skin, eyes, reproductive system, central nervous system

**GHS Classification:**

Acute toxicity, oral (Category 4)

Acute toxicity, inhalation (Category 4)

Aquatic Acute (Category 1)

GHS Label information Hazard statement(s):

H312 Harmful in contact with skin

H332 Harmful if inhaled

H400 Very toxic to aquatic life

Precautionary statement(s):

P261 Avoid breathing mist/vapours/spray

P271 Use only outdoors or in a well-ventilated area

P273 Avoid release to the environment

P280 Wear protective gloves/protective clothing/eye protection/face protection

P302+352 IF ON SKIN: Wash with plenty of soap and water

P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P312 Call a POISON CENTER or doctor/physician if you feel unwell

P303 Take off contaminated clothing and wash before reuse

P309 Collect spillage

P501 Dispose of contents/container to an approved waste disposal plant

Ca Prop 65: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Section 3 Composition / Information on Ingredients

Nommé Chimique	# CAS	%	EINECS
Water	7732-18-5	95.10	231-791-2
Potassium iodide	7681-11-6	3.15	231-659-4
Iodine	7553-56-2	1.85	231-442-4

Section 4 First Aid Measures

INGESTION: MAY BE HARMFUL IF SWALLOWED: Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: HARMFUL IF INHALED: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. Harmful if inhaled.

EYE CONTACT: MAY CAUSE IRRITATION: Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: HARMFUL ON CONTACT WITH SKIN: Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention. Harmful in contact with skin.

Section 5 Fire Fighting Measures

Extinguishing Media: Use any media suitable for extinguishing supporting fire.

General information: In fire conditions, wear a NIOSH/MSHA approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire exposed containers cool.

Specific Hazards: In fire conditions, water may evaporate forming a solution with it may create hazardous decomposition products to be formed as dust or fume.

Section 6 Accidental Release Measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Containment and Cleanup: Absorb with inert dry material, sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

