SDS

永华化学股份有限公司
YONGHUA CHEMICAL CO., LTD.

Potassium iodide

1. Product Identification

Synonyms: Knollide; Potid

CAS No.: 7681-11-0

Manufacturer/supplier:

Yonghua Chemical Co., Ltd.

Address: Xiangqiao Village, Zhitang(Heshi)Town, Changshu City 215500,

Jiangsu Province, China

Emergency phone：0086 512 52549653

Website：www.yonghuareagents.com

2. Composition/Information on Ingredients

CAS No.	Chemical Name	Content	EINECS#
7681-11-0	Potassium Iodide	≤100	231-659-4

Hazard Symbols: None Listed.

Risk Phrases: None Listed.

3. Hazards Identification

EMERGENCY OVERVIEW

Light sensitive.Moisture sensitive.

Potential Health Effects

Eye:

May cause eye irritation.

Skin:

May cause skin irritation. Chronic ingestion of iodides during pregnancy has resulted in fetal death, severe goiter, and cretinoid appearance of the newborn.

Ingestion:

Causes gastrointestinal irritation with nausea, vomiting and diarrhea. Chronic ingestion of iodides during pregnancy has resulted in fetal death, severe goiter, and cretinoid appearance of the newborn.

Inhalation:

May cause respiratory tract irritation.

Chronic:

Chronic exposure can lead to iodism characterized by salivation, nasal discharge, sneezing, conjunctivitis, fever, laryngitis, bronchitis, stomatitis, and skin rashes. May cause reproductive and fetal effects. Chronic ingestion of iodides during pregnancy has resulted in fetal death, severe goiter, and cretinoid appearance of the newborn.

4. First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin:

Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.

Ingestion:

Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid.

Inhalation:

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

Notes to Physician:

5. Fire Fighting Measures

General Information:

During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Wear appropriate protective clothing to prevent contact with skin and eyes. Wear a self-contained breathing apparatus (SCBA) to prevent contact with thermal decomposition products.

Extinguishing Media:

Use agent most appropriate to extinguish fire. Do NOT get water inside containers. In case of fire, use carbon dioxide, dry chemical powder or appropriate foam.

6. Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions.

Provide ventilation. Do not get water inside containers.

7. Handling and Storage

Handling:

Wash thoroughly after handling. Use with adequate ventilation.

Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Store protected from light. Do not allow contact with water. Keep from contact with moist air and steam.

Storage:

Store in a cool, dry, well-ventilated area away from incompatible substances. Store protected from moisture. Store protected from light.

---

8. Exposure Controls/Personal Protection

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits CAS# 7681-11-0: Personal Protective Equipment Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

---

9. Physical and Chemical Properties

Physical State: Crystals

Color: colorless or white

Odor: odorless

pH: 7 to 9

Vapor Pressure: Not available.

Viscosity: Not available.

Boiling Point: 1330 deg C

Freezing/Melting Point: 680 deg C

Autoignition Temperature: Not applicable.

Flash Point: Not applicable.

Explosion Limits, lower: Not available.

Explosion Limits, upper: Not available.

Decomposition Temperature: Not available.

Solubility in water: Soluble in water

Specific Gravity/Density: 3.13

Molecular Formula: KI

Molecular Weight: 166.0028

---

10. Stability and Reactivity

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Incompatible materials, light, dust generation, moisture, metals, excess heat.

Incompatibilities with Other Materials:

Strong acids, strong reducing agents, strong bases, strong oxidizing agents.

Hazardous Decomposition Products:

Oxides of potassium, iodine.

Hazardous Polymerization: Has not been reported.

---

11. Toxicological Information

RTECS#:

CAS# 7681-11-0: TT2975000 LD50/LC50:

Not available.

Carcinogenicity:

Potassium Iodide - Not listed by ACGIH, IARC, or NTP.

Other:

See actual entry in RTECS for complete information.

---

12. Ecological Information

---

13. Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

---

14. Transport Information

IATA

Not regulated as a hazardous material.

IMO

Not regulated as a hazardous material.

RID/ADR

Not regulated as a hazardous material.

15.Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available.

Risk Phrases:

Safety Phrases:

WGK (Water Danger/Protection)

CAS# 7681-11-0: 1

Canada

CAS# 7681-11-0 is listed on Canada's DSL List.

CAS# 7681-11-0 is listed on Canada's Ingredient Disclosure List.

US FEDERAL

TSCA

CAS# 7681-11-0 is listed on the TSCA inventory.

---

16. Other Information

Yonghua Chemical Co., Ltd. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

****

Prepared by:

Yonghua Chemical Co., Ltd.
TEL: 86-512-52549999
FAX: 86-512-52546337