

# MATERIAL SAFETY DATA SHEET

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## SECTION 1 PRODUCT IDENTIFICATION

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PRODUCT NAME: Potassium Iodide 1% Solution

PRODUCT NUMBER: 160 / 161 / 162

PRODUCT CLASS: Aquarium Additive

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## SECTION 2 COMPOSITION

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A 1% aqueous solution of Potassium Iodide (CAS # 7681-11-0)

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## SECTION 3 HAZARDS IDENTIFICATION

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EYE CONTACT: May cause irritation, redness and pain.

SKIN CONTACT: May cause irritation with redness and pain.

INGESTION: Large oral doses may cause irritation to the gastrointestinal tract.

INHALATION: May cause irritation to the respiratory tract. Symptoms may include coughing and shortness of breath.

CHRONIC EXPOSURE/TARGET ORGANS: Chronic ingestion of iodides may produce "iodism", which may be manifested by skin rash, running nose, headache and irritation of the mucous membranes. Weakness, anemia, loss of weight and general depression may also occur.

AGGRAVATION OF PRE-EXISTING CONDITIONS: No Information found.

CAUTION! Upon decomposition or heating, iodine vapor is released which is highly toxic.

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## SECTION 4 FIRST AID MEASURES

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EYES: Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.

SKIN: Immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical aid if irritation develops.

INGESTION: Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. SEEK MEDICAL ATTENTION IMMEDIATELY.

INHALATION: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. SEEK MEDICAL ATTENTION IMMEDIATELY.

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## SECTION 5 FIRE FIGHTING MEASURES

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FLAMMABILITY CLASSIFICATION: Non-combustible

EXTINGUISHING MEDIA: Use extinguishing media appropriate to surrounding fire conditions.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS: Upon decomposition or heating, iodine vapor is released which is highly toxic

SPECIAL FIREFIGHTING PROCEDURES: None

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## SECTION 6 ACCIDENTAL RELEASE MEASURES

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Evacuate area. Wear rubber gloves and goggles. Mop up and hold for waste disposal. Observe all Federal, State and local environmental regulations.

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## SECTION 7 HANDLING AND STORAGE

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Wear eye protection and rubber gloves. Avoid contact with eyes, mouth, skin and clothing. Do not use if skin is cut or scratched. Wash thoroughly after handling. Wash hands before eating or smoking. Do not eat or smoke when using. Keep tightly closed when not in use. Prolonged storage is not recommended because of possible degradation problems, including yellowing of the potassium iodide

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## SECTION 8 PERSONAL PROTECTION

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Wear rubber gloves and goggles.

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## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

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FORM: Clear Liquid  
ODOR: None  
FLASH POINT: Not applicable, because not combustible  
BOILING POINT: 100° C  
DENSITY: 1.01

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## SECTION 10 STABILITY AND REACTIVITY

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**Stability:** Stable under ambient temperatures and pressures. On long exposure to air, potassium iodide becomes yellow due to the release of iodine. Conditions to avoid are air, light and incompatibles.

**Incompatible Materials:** Diazonium salts, diisopropyl peroxydicarbonate; oxidants; bromine and chlorine trifluorides; fluorine perchlorate; mercurous chloride; potassium chlorate; metallic salts; tartaric and other acids.

**Hazardous Polymerization:** Will not occur.

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## SECTION 11 TOXICOLOGICAL INFORMATION

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<u>Route(s) of Entry</u>	<u>Value</u>	<u>Critical Effects</u>
TDLo oral (human)	270 grams/kg	Reproductive
LDLo ivn (rat)	16.7 grams/kg	CNS
LDLo oral (mus)	186.2 grams/kg	CNS
LDLo ipr (mus)	111.7 grams/kg	CNS

Compound descriptor lists; Mutagen, Reproductive effector in humans. RTECS number TT2975000

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## SECTION 12 ECOLOGICAL INFORMATION

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Terrestrial Fate: No information found.  
Aquatic Fate: No information found.

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**SECTION 13****DISPOSAL CONSIDERATIONS**

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

RCRA- This material does not meet the criteria for RCRA F, P or U-series waste codes. Although not a listed RCRA hazardous waste, this material may exhibit one or more characteristics of a hazardous waste and require appropriate analysis to determine specific disposal requirements.

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**SECTION 14****TRANSPORTATION INFORMATION**

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Is not a hazardous material according to DOT regulations.

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**SECTION 15****OTHER INFORMATION**

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