SDS No.: IX0160 9228

SAFETY DATA SHEET KM 10626

**CORROSIVE STORAGE CODE WHITE** 

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Section 1 Chemical Product and Company Identification

901 Janesville Ave SCO P.O. Box 901 Fort Attlinson, WI 53538-0901

KIO2667F KIO1039AH

CHEMTREC 24 Hour Emergancy

Phone Number (800) 424-9300 For laboratory use only. Not for drug, food or household use

Product

IDDINE-POTASSIUM IODIDE SOLUTION

Synonyms

lodine-todide / lodine Solution / lodine / lodine / lodine Lugol's Dilute / Gram's lodine Solution / lodine 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, pentral nervous system.

GHS Classification: Acute toxicity, dermal (Category 4)
Acute toxicity, inhalation (Category 4) Aquatic toxicity, scute (Category 1)

GHS Label information: Hazard statementis):

H312: Harmful in contact with skin. H332: Harmful if inhaled. H400: Very toxic to aquatic life.

Precautionary statement(s):

P261: Avoid breathing mist/vapours/apray

P271: Use only outdoors or in a well-ventilated area

P273: Avoid release to the environment.

P280: Wear protective gloves/protective cothing/eye protection/face protection. P302+P352. IF ON SKIN: Wash with plenty of water and soap.

P312: Call a POISON CENTER or doctor if you feel unwell.
P362+P364: Take off contaminated clothing and wash it before reuse.

P304+P340. IF INHALED: Remove person to fresh air and keep comfortable for

breathing.
P312: Call a POISON CENTER or doctor if you leef unwell

P391: Collect spillage
P501: Dispose of contents/container to a licensed chemical disposal agency in

accordance with local/regional/national regulations.

Ca Prop 65: This product does not contain any chemicals known to the State of California to cause cancer or reproductive toxicity.

Chemical Name	CAS#	*	EINECB	
Water Potassium lodide lodine	7732-18-5 7681-11-0 7553-58-2	95.10% 3 05% 1 85%	231-791-2 231-859-4 231-442-4	

## Section 4 First Aid Measures

INGESTION: MAY BE HARMFUL IF SWALLOWED. Call physician or Polson 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 exvoen. Get medical attention. Harmful if

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

SKIN ABSORPTION: HARMFUL IN CONTACT WITH SKIN. Remove contaminated dothing. 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

Specific Hazards: In fire conditions, water may evaporate from this solution which may cause hazardous decomposition products to be formed as dust or fume.

## Section 6 Accidental Releana Meaaures

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.

Handling & Storage Page E2 of E2

Read label on container before using Do not wear contact lenses when working with chemicals. Keep container tightly closed. Keep out of reach of children. Use with adequate ventilation. Wash thoroughly after handling

Handling: Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Avoid ingestion. Do not inhale vapors, mist or spray. Wash thoroughly after handling. Remove and wash clothing before reuse.

Storage: Store in a cool, well-ventilated area away from incompatible substances,

Section 8 Exposure Controls / Personal Protection

Chemical Name Exposure Limits:

ACGIH (TLV) lodine CAS # 7553-56-2 TWA 0 (II ppm(IFV)/ STEL 0 1 ppm(V)

OSHA (PEL) STEL C 0 1 ppm/C 1 mg/m3

NIOSH (REL) STEL C 0 1 ppm/C 1 mg/m<sup>2</sup>

Supercedes: November 6, 2015

Engineering controls: Facilities storing or utilizing this material should be equipped with an evewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in turne hood or wear a NIOSH/MSHA-

#### Section 9 Physical & Chemical Properties

Appearance: Deep amber liquid, Odor: Characteristic odor Odor threshold: Not applicable pH: Data not available

Melling / Freezing point: ~ 0°C (~ 32°F) [water] Boiling point: ~ 100°C (212°F) [water]

Flash point: Not flammable

Evaporation rate ( Water = 1): < 1 Flammability (solid/gas): Not applicable

Explosion limits: Lower / Upper: Not applicable Vapor pressure (mm Hg): 14 [water] Vapor density (Air = 1): 0.7 [water] Relative density (Specific gravity): 1.0 [water]

Solubility(ies): Complete in water

Viscosity: Data not available Molecular formula: Mixture Molecular weight: Mixture

Partition coefficient: (n-cctanol / water) Not applicable

Auto-ignition temperature: Not applicable Decomposition temperature: Data not available

#### Section 10 Stability & Reactivity

Chemical stability: Stable

Hazardous polymerization: Will not occur

Conditions to avoid: Stable under recommended storage conditions, Excessive temperatures which cause evaporation

Incompatibilities with other materials: Metals or unsaturated prognic compounds, ammonia solutions or alkaline solutions of ammonia sails. Will form explosive nitrogen

iodides when reacted with gaseous ammonia

Hazardous decomposition products: Toxic lodide fumes

### Section 11 Toxicological Information

Acute toxicity: Oral-Rat LD50: 14 000 mg/kg (lodine CAS # 7553-56-2)

Skin corrosion/irritation: Data not available
Serious eye damage/irritation: Data not available
Respiratory or skin sensitization: Inhalation-rat 3.1 mg/rn<sup>3</sup> / 24 hour / 13 weeks - continuous (lodine CAS # 7553-56-2)

Respiratory of skin sensitization: Introduction at a highly 2 moor of a multispendicty: Data not available Carcinogently: Data not available IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC MTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: Data not available STOT-single exposure: Data not available

STOT-repeated exposure: Data not available
Aspiration hazard: Data not available
Aspiration hazard: Data not available
Potential health effects:
Inhalation Symptoms include cough, wheezing and labored breathing. Symptoms may be delayed ingestion. Causes abdominal pain, diarrhea, nausea, and vomiting. Ingestion of levels of 2-3 grams of rodine may cause death.
Skin: Contact may cause redness and pain.

Skin: Contact may cause redness and pain.

Eyes: Contact causes watering of the eyes redness and pain.

Signs and symptoms of exposure: Effects of whort-term exposure: Lachrymator. The substance is severely irritating to the eyes and the respiratory tract, and is irritating to the skin. Inhelation of the vapor may cause asthma-like reactions. Inhelation of the vapor may cause asthma-like reactions. Inhelation of the vapor may cause asthma-like reactions. Inhelation of the vapor may cause asthma-like syndrome. Exposure Repeated or prolonged contact may cause asthma-like syndrome. The substance may have effects on the thyroid. Specific data not available for this mixture. Exercise appropriate procedures to minimize potential hazards.

Additional Information: RTECS #: NN1575000 [lodine CAS # 7553-56-2]

#### Section 12 Ecological Information

Toxicity to fish: Very toxic to aquatic life

Toxicity to daphnia and other aquatic invertebrates: No data available

Toxicity to algae: No data available

Persistence and degradability: No data available Bioaccumulative potential: No data available

Mobility in soil: No data available PBT and vPvB assessment: No data available
Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal Disposal Considerations

# Section 13

These disposal guidelines are intended for the disposal of catalog-size quantities only. Federal regulations may apply to empty container. State and/or local regulations may be different. Dispose of in accordance with all local, state and federal regulations or contract with a licensed chemical disposal agency.

# Transport Information (US DOT / CANADA TDG)

UN/NA number: Not applicable Shipping name: Not Regulated

Reportable Quantity: No Marine pollutant: No Hazard class: Not applicable Packing group: Not applicable 2016 ERG Gulde # Not applicable Exceptions: Not applicable

# Section 15 Regulatory Information

A chemical is considered to be listed if the CAS number for the anhydrous form is unittle inventory list

DSL NDSL TSCA CERLCA (RQ) RCRA code Component lodine Potassium iodide Not listed Listed Not listed Not listed Listed Not listed Not fisted

## Other Information

The information contained therein is farmished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from will source to assure proper use of international and the safety and health of employees. NTP National Toxicology Program. IARC International Agency for Research on Cancer, OSHA. Occupational Safety and Health Administration, STCIT Specific Target Organ Toxicity, SC. Single Exposure, ERG. Emergency Response Guidebook.

Revision Date: December 6, 2016