

# MATERIAL SAFETY DATA SHEET

## Chemical Product

Product Name: IODINE SOLUTION (GRAM'S)

CAS#: Not Available.

Synonym: Not Available.

Chemical Name: Iodine Solution (GRAM'S)

Chemical Formula: Not Available.

## Composition and Information on Ingredients

| Name                     | Contents      | S.K.U     | EC No     | Annex No     | REACH Ref. | Classification   |
|--------------------------|---------------|-----------|-----------|--------------|------------|--|
| IODINE SOLUTION (GRAM'S) |               | GCS-8693  |           |              |            | 100  |
| Iodine                   | >0.01<br><1 % | 7553-56-2 | 231-442-4 | 053-001-00-3 | ----       | Xn; R20/21 N;<br>R50<br>-----<br>-----<br>Acute Tox. 4<br>(skin) _ H312<br>Acute Tox. 4<br>(inhal) _ H332<br>Aquatic Acute 1<br>_ H400 |
| Yoduro potásico          | >0.01<br><1 % | 7681-11-0 | ----      | ----         | ----       | Xn; R22 Xi;<br>R36/38<br>-----<br>-----<br>Acute Tox. 4 (oral)<br>_ H302 Eye irrit<br>2 _ H319 Skin<br>Irrit. 2 _ H315                 |
| Water                    | > 99 %        | 7732-18-5 | 231-791-2 | ----         | ----       | Not classified<br>(DSD/DPD)<br>-----<br>-----<br>Not classified<br>(GHS)   |

## Hazards Identification

**Classification of the substance or mixture Classification EC 67/548 or EC 1999/45: Not classified.**

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP): Not classified.

**Label elements**

Labelling EC 67/548 or EC 1999/45: Not classified.

Symbol(s): None.

R Phrase(s): None.

S Phrase(s): None.

Contains: Water - Yoduro potásico – Iodine

Labelling Regulation EC 1272/2008 (CLP): Not classified.

Contains: Water - Yoduro potásico - Iodine

**Other hazards:**

The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

## **First Aid Measures**

**Description of first aid measures**

Inhalation: Assure fresh air breathing. Allow the victim to rest.

Skin contact: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

Eye contact: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

Ingestion: Obtain emergency medical attention. Rinse mouth. Do NOT induce vomiting.

**Most important symptoms and effects, both acute and delayed**

Symptoms relating to use: Not expected to present a significant hazard under anticipated conditions of normal use.

**Indication of any immediate medical attention and special treatment needed**

General information: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

## **Fire and Explosion Data**

Extinguishing media

Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media: Do not use a heavy water stream.

Surrounding fires: Use water spray or fog for cooling exposed containers.

Special hazards arising from the substance or mixture

Hazardous combustion products: Under fire conditions, hazardous fumes will be present.  
Thermal decomposition generates: Corrosive vapours.  
Advice for fire-fighters  
Protection against fire: Do not enter fire area without proper protective equipment, including respiratory protection.  
Special procedures: Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

## Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

For emergency responders: Equip cleanup crew with proper protection. Ventilate area.  
For non-emergency personnel: Evacuate unnecessary personnel.

### Environmental precautions:

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

### Methods and material for containment and cleaning up

Clean up methods: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

## Handling and Storage

### Precautions for safe handling

Handling: Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.  
Technical protective measures: Provide good ventilation in process area to prevent formation of vapour.

### Conditions for safe storage, including any incompatibilities

Storage: Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.  
Storage - away from: Strong bases. Strong acids. Sources of ignition. Direct sunlight.

## Exposure Controls/Personal Protection

### Exposure controls

Personal protection: Avoid all unnecessary exposure.  
Respiratory protection: Wear approved mask.  
Hand protection: Wear protective gloves.  
Eye protection: Chemical goggles or safety glasses.  
Others: When using, do not eat, drink or smoke.

### Control parameters

Occupational Exposure Limits: No data available.

## Physical and Chemical Properties

|  |                       |
|--|-----------------------|
| Physical state at 20 °C                | : Liquid.             |
| Colour                                 | : Colorless           |
| Odour                                  | : Characteristic.     |
| Odour threshold                        | : No data available.  |
| pH value                               | : No data available.  |
| Melting point [°C]                     | : No data available.  |
| Decomposition point [°C]               | : Not Available.      |
| Critical temperature [°C]              | : No data available.  |
| Auto-ignition temperature [°C] :       |                       |
| No data available.                     |                       |
| Flammability (solid, gas)              | : Not Available.      |
| Flash point [°C]                       | : No data available.  |
| Boiling point [°C]                     | : Not Available.      |
| Initial boiling point [°C]             | : No data available.  |
| Final boiling point [°C]               | : No data available.  |
| Evaporation rate                       | : Not Available.      |
| Vapour pressure [20°C]                 | : No data available.  |
| Vapour pressure mm/Hg                  | : Not Available.      |
| Vapour density                         | : Not Available.      |
| Density [g/cm <sup>3</sup> ]           | : 1.005 g/mL at 20 °C |
| Relative density, gas (air=1)          | : Not Available.      |
| Relative density, liquid (water=1)     | : Not Available.      |
| Solubility in water [% weight]         | : Not Available.      |
| Solubility in water                    | : No data available.  |
| Log Pow octanol / water at 20°C        | : No data available.  |
| Solubility                             | : Not Available.      |
| Viscosity at 40°C [mm <sup>2</sup> /s] | : No data available.  |

## Stability and Reactivity Data

Reactivity: Not established.

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: Not established.

Conditions to avoid: Direct sunlight. Extremely high or low temperatures.

Incompatible materials: Strong acids. Strong bases.

Hazardous decomposition products: Fumes. Carbon monoxide. Carbon dioxide.

## Toxicological Information

#### Information on toxicological effects

Toxicity information: The product has been not fully tested. The calculated risk has been done under the requirements of the EU regulations.

#### Acute toxicity

Inhalation: Based on available data, the classification criteria are not met.

Dermal: Based on available data, the classification criteria are not met. Ingestion: Based on available data, the classification criteria are not met. Corrosion: Based on available data, the classification criteria are not met. Irritation: Based on available data, the classification criteria are not met. Sensitization:

Based on available data, the classification criteria are not met.

Mutagenicity: Based on available data, the classification criteria are not met. Carcinogenicity: Based on available data, the classification criteria are not met.

Toxic for reproduction: Based on available data, the classification criteria are not met.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Based on available data, the classification criteria are not met. Aspiration hazard:

Based on available data, the classification criteria are not met.

### Ecological Information

#### Toxicity information:

The product has been not fully tested. The calculated risk has been done under the requirements of the EU regulations.

Persistence - degradability: Biodegradable.

Bioaccumulative potential: Not established.

Mobility in soil: Not established.

Results of PBT and vPvB assessment: The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

#### Other adverse effects

Environmental precautions: Avoid release to the environment

### Disposal Considerations

#### Waste treatment methods

General: Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

### Transformation Information

Land transport (ADR-RID)

General information : Not regulated.

Sea transport (IMDG) [English only]

General information : Not regulated.

Air transport (ICAO-IATA) [English only]

General information : Not regulated

## Other Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture  
Safety, health and environmental regulations/legislation specific for the substance or mixture: Ensure all national/local regulations are observed.

REACH Restrictions - Annex XVII: The components of this product are not subject to restrictions.

REACH Authorisation - Annex XIV: The components of this product are not subject to authorization.

Chemical Safety Assessment: It has not been carried out.

## Additional Information



References: Not available.

Other Special Considerations: Not available.

## ***Disclaimer:***

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