1. Identification of the substances/mixture and of the company/undertaking

1.1 Product Identifiers
Product Code  GRM10692  
Product Name  Potassium Iodide, ACS Grade

1.2 Relevant identified uses of the substance or mixture and uses advised against
Identified uses  Laboratory chemicals, Manufacture of substances

1.3 Details of the supplier of the safety data sheet
Produced by  HiMedia Laboratories Pvt. Ltd.  
Address  23, Vadhani Indl.Estate, LBS Marg, Mumbai 400 086, India.  
Tel. No.  +91-22-2500 0970, +91-22-2500 1607  
Fax No.  +91-22-2500 2468

1.4 Emergency Tel. No.
Emergency Tel.No.  Please contact the regional HiMedia representation in your country

2. Hazards Identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]
Acute toxicity, oral (Category 4)  
Skin corrosion/irritation (Category 2)  
Serious eye damage/eye irritation (Category 2A)

Classification according to EU Directives 67/548/EEC or 1999/45/EC
Harmful if swallowed.  
Irritating to eyes and skin.

2.2 Label elements
Labelling according Regulation (EC) No 1272/2008 [CLP]

Pictogram

Signal word  Warning

Hazard Statement(s)
H302  Harmful if swallowed  
H315  Causes skin irritation  
H319  Causes serious eye irritation


Symbol(s)

R-Phrase(s)
R22  Harmful if swallowed.
R36/38  Irritating to eyes and skin.

S-Phrase(s)
S26  In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

2.3 Other hazards - none
3. Composition/Information on Ingredients

3.1 Substances

Molecular Formula  \( \text{KI} \)
Molecular Weight  166.00

<table>
<thead>
<tr>
<th>Component</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium Iodide, ACS Grade</td>
<td></td>
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<tr>
<td>CAS-No.</td>
<td>7681-11-0</td>
</tr>
<tr>
<td>EC-No.</td>
<td>231-659-4</td>
</tr>
</tbody>
</table>

4. First Aid Measures

4.1 Description of first aid measures

**General advice**
Consult a physician. Show this safety data sheet to the doctor in attendance.

**If inhaled**
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In case of skin contact**
Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact**
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**If swallowed**
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of immediate medical attention and special treatment needed

No data available

5. Fire Fighting Measures

5.1 Extinguishing media

**Suitable extinguishing media**
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Hydrogen iodide, Potassium oxides

5.3 Precautions for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information

No data available

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see Section 13.
7 Handling and Storage

7.1 Precautions for safe handling
Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Normal measures for preventive fire protection.

7.3 Conditions for safe storage, including any incompatibilities
Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Recommended Storage Temperature: Store below 30°C

7.3 Specific end uses
No data available

8 Exposure Controls/Personal Protection

8.1 Control parameters
Components with workplace control parameters

8.2 Exposure controls
Appropriate engineering controls
Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Personal protective equipment

Hygiene measure
Immediately change contaminated clothing. Apply preventive skin protection. Wash hands face after working with the substance

Eye/face protection
Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (Without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands.
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body protection
Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific work place.

Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a fullface respirator with multi-purpose combination (US) or type ABEK(EN 14387) respirator cartridges as a backup to the engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Environment exposure controls
Do not empty into drains

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance White to off-white crystals or powder or granules, may becomes yellow when exposed to light and humidity

Odour No data available
Odour Threshold No data available
Odour Threshold No data available
pH No data available
Melting/freezing point No data available
Initial boiling point and boiling range No data available
Flash point No data available
Upper/lower flammability or explosive limits No data available
Vapour pressure No data available
Vapour density No data available
Relative density No data available
9.2 Other safety information
No data available

10 Stability and Reactivity

10.1 Reactivity
No data available

10.2 Chemical stability
No data available

10.3 Possibility of hazardous reactions
No data available

10.4 Conditions to avoid
No data available

10.5 Incompatible materials
Strong oxidizing agents

10.6 Hazardous decomposition products
Other decomposition products - No data available

11 Toxicological Information

11.1 Information on toxicological effects

Acute toxicity
No data available

Skin corrosion/irritation
No data available

Serious eye damage/eye irritation
No data available

Respiratory or skin sensitisation
No data available

Germ cell mutagenicity
No data available

Carcinogenicity
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.

Reproductive toxicity
No data available

Specific target organ toxicity- single exposure
No data available

Aspiration hazard
No data available

Potential Health Effects

Inhalation.
Refer Section 2

Skin
Refer Section 2

Eyes
Refer Section 2

Ingestion
Refer Section 2

Another Information
RTECS : TT2975000

12 Ecological Information
12.1 **Toxicity**  
No data available

12.2 **Persistence and degradability**  
No data available

12.3 **Bioaccumulative potential**  
No data available

12.4 **Mobility in soil**  
No data available

12.5 **PBT and vPvB assessment**  
No data available

12.6 **Other adverse effects**  
No data available

13 **Disposal Considerations**

13.1 **Waste treatments methods**

**Product**  
Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

13.2 **Contaminated packaging**  
Dispose of as unused product.

14 **Transport Information**

14.1 **UN-No.**

ADR/RID: -  IMDG: -  IATA: -

14.2 **UN proper shipping name**

ADR/RID: no dangerous goods  
IMDG: no dangerous goods  
IATA: no dangerous goods

14.3 **Transport hazard class(es)**

ADR/RID: -  IMDG: -  IATA: -

14.4 **Packaging group**

ADR/RID: -  IMDG: -  IATA: -

14.5 **Environmental hazards**

ADR/RID: No  
IMDG: Marine Pollutant:No  
IATA: No

14.6 **Special precautions for use**  
No data available

15 **Regulatory Information**

This safety datasheet complies with the requirements of Regulation(EC) No.1907/2006

15.1 **Safety health and environment regulations/legislation specific for the substance or mixture**  
No data available

15.2 **Chemical Safety Assessment**  
No data available

16 **Other Information**

**Further information**

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