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

1.1 Product Identifiers
Product Number: GRM1065
Product Name: Iodine, resublimed
CAS No.: 7553-56-2
EC No.: 231-442-4

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

1.3 Details of the supplier of the safety data sheet
Produced by: HiMedia Laboratories Private Limited
Address: 23, Vadhani Industrial Estate, LBS Marg, Ghatkopar (W), Mumbai - 400 086 India
Tel. No.: +91-22-2500 0970, +91-22-2500 1607 Fax No.: +91-22-25002468
Mail Id: info@himedialabs.com
Website: www.himedialabs.com

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

Hazards Identification

2.1 Classification of the substance or mixture
CLP Classification-Regulation (EC) No. 1272/2008 [EU-GHS/CLP]
Harmful in contact with skin or if inhaled, H312+H332
Skin corrosion or irritation, (Category 2), H315
Serious eye damage or eye irritation, (Category 2A), H319
Specific target organ toxicity, single exposure, Respiratory tract irritation, (Category 3), H335
Specific target organ toxicity, repeated exposure, (Category 1), H372
Hazardous to the aquatic environment, acute hazard, (Category 1), H400

2.2 Label elements
Labeling according to Regulation (EC) No. 1272/2008

Pictogram
Signal word: Danger
Hazard Statement(s)
H312+H332 Harmful in contact with skin or if inhaled
H315 Causes skin irritation
H319 Causes serious eye irritation
H335 May cause respiratory irritation
Causes damage to organs through prolonged or repeated exposure

H400 Very toxic to aquatic life

Precautionary Statement(s)

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314 Get medical advice/attention if you feel unwell.

2.3 Other Hazards
none

3 Composition/Information On Ingredients

3.1 Substances
Molecular Formula : I\(_2\)
Molecular Weight : 253.81
CAS No. : 7553-56-2
EC No. : 231-442-4

<table>
<thead>
<tr>
<th>Component</th>
<th>Classification</th>
<th>Concentration</th>
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<tr>
<td>Iodine, resublimed</td>
<td>As Per EC Regulation 1272/2008</td>
<td>100%</td>
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<tr>
<td>CAS No. : 7553-56-2</td>
<td>Acute Tox. Dermal, inhal, 4; Skin Irrit. 2;</td>
<td></td>
</tr>
<tr>
<td>EC No. : 231-442-4</td>
<td>Eye Irrit. 2A; STOT SE 3; STOT RE 1; Aquatic Acute 1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>H312+H332; H315; H319; H335; H372; H400</td>
<td></td>
</tr>
</tbody>
</table>

For the full text of the H-Statements and classification mentioned in this Section, see Section 16

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 with plenty of soap and water. Consult a physician.

In case of eye contact
Rinse immediately with plenty of water for at least 15 minutes. Consult a physician.

If swallowed
Do NOT induce vomiting. 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**
The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

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.
*Unsuitable extinguishing media*
No data available.

5.2 **Special hazards arising from the substance or mixture**
Hydrogen iodide

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 vapours, 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. Discharge into environment must be avoided.

6.3 **Methods and materials for containment and cleaning up**
Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). 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 dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2

7.2 **Conditions for safe storage, including any incompatibilities**
Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
**Recommended Storage Temperature**: Below 30°C

### 7.3 Specific end uses
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

### 8 Exposure Controls/Personal Protection

#### 8.1 Control parameters
Components with workplace control parameters

#### 8.2 Exposure controls

**Appropriate engineering controls**
Handle in accordance to general industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Personal protective equipment**

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

**Eye/face protection**
Faceshield and safety goggles.

**Skin protection**
Handle with gloves.

**Body protection**
Complete suit protecting against chemicals.

**Respiratory protection**
Air-purifying respirators.

**Environment exposure controls**
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

### 9 Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

**Appearance**
Bluish-black to dark grey to purple or black granular powder or crystals or beads or flakes with a metallic lustre

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<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
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<td>Odour</td>
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<tr>
<td>Odour Threshold</td>
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<tr>
<td>pH</td>
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</tr>
<tr>
<td>Melting/freezing point</td>
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<tr>
<td>Initial boiling point and boiling range</td>
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</tr>
<tr>
<td>Flash point</td>
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<tr>
<td>Upper/lower flammability or explosive limits</td>
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</tr>
<tr>
<td>Evaporation rate</td>
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</tr>
<tr>
<td>Flammability (Solid, gas)</td>
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<tr>
<td>Vapour pressure</td>
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</tr>
<tr>
<td>Relative density</td>
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</tr>
<tr>
<td>Water Solubility</td>
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<tr>
<td>Partition coefficient: n-octanol/water</td>
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<td>Autoignition Temperature</td>
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Decomposition Temperature  No data available
Viscosity  No data available
Explosive properties  No data available
Oxidizing properties  No data available
Vapour density  No data available
Thermal decomposition  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
Stable under recommended storage conditions.

10.3  Possibility of hazardous reactions
No data available

10.4  Conditions to avoid
Incompatible material

10.5  Incompatible materials
Strong oxidizing agents

10.6  Hazardous decomposition products
Other decomposition products - refer section 5.2.
In the event of fire - refer section 5.

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
Specific target organ toxicity - repeated exposure
No data available

Aspiration hazard
No data available

Additional Information
RTECS : NN1575000

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
PBT and vPvB assessment not available Chemical safety assessment is not required

12.6 Other adverse effects
Discharge into the environment must be avoided.

13 Disposal Considerations
13.1 Waste treatments methods
Product
Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustive solvent and burn in chemical incinerator equipped with an afterburner and scrubber.

13.2 Contaminated packaging
Dispose of as unused product.

14 Transport Information
14.1 UN-No
ADNR : 3495 ADR : 3495 IATA_C : 3495 IATA_P : 3495 IMDG : 3495 RID : 3495

14.2 UN proper shipping name

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14.3 Transport hazard class(es)

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</table>
14.4 Packaging group

14.5 Environmental hazards
ADNR : No    ADR : No    IMDG : Marine Pollutant : No    IATA_C : No    IATA_P : No    RID : 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
Text of H-Statements and EUH-Phrases mentioned in section 3
H312+H332 Harmful in contact with skin or if inhaled
H315 Causes skin irritation
H319 Causes serious eye irritation
H335 May cause respiratory irritation
H372 Causes damage to organs through prolonged or repeated exposure
H400 Very toxic to aquatic life
Acute Tox. Dermal, inhal, 4 Harmful in contact with skin or if inhaled
Skin Irrit. 2 Skin corrosion or irritation, Category 2
Eye Irrit. 2A Serious eye damage or eye irritation, Category 2A
STOT SE 3 Specific target organ toxicity, single exposure, Respiratory tract irritation, Category 3
STOT RE 1 Specific target organ toxicity, repeated exposure, Category 1
Aquatic Acute 1 Hazardous to the aquatic environment, acute hazard, Category 1

Further Information

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