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

1.1 Product Identifiers
Product Number  GRM123
Product Name      Sodium azide
CAS No.          26628-22-8
EC No.          247-852-1

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

2 Hazards Identification

2.1 Classification of the substance or mixture
CLP Classification-Regulation (EC) No. 1272/2008[EU-GHS/CLP]
Fatal if swallowed or in contact with skin, H300+H310
Specific target organ toxicity, repeated exposure, (Category 2), H373
Hazardous to the aquatic environment, long term hazard, (Category 1), H410

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

<table>
<thead>
<tr>
<th>Pictogram</th>
<th>Signal word</th>
<th>Danger</th>
</tr>
</thead>
<tbody>
<tr>
<td>H300+H310</td>
<td>Fatal if swallowed or in contact with skin</td>
<td></td>
</tr>
<tr>
<td>H373</td>
<td>May cause damage to organs through prolonged or repeated exposure</td>
<td></td>
</tr>
<tr>
<td>H410</td>
<td>Very toxic to aquatic life with long lasting effects</td>
<td></td>
</tr>
</tbody>
</table>

Precautionary Statement(s)
P273    Avoid release to the environment.
P280    Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310+P330  IF SWALLOWED : Immediately call a POISON CENTER/doctor. Rinse mouth.
P302+P352+P310  IF ON SKIN: Wash with plenty of water. Immediately call a POISON CENTER or doctor/physician.
P391  Collect spillage.
P501  Dispose of contents/container to an approved waste disposal plant.

2.3 Other Hazards
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

3 Composition/Information On Ingredients

3.1 Substances
Molecular Formula : NaN₃
Molecular Weight : 65.01
CAS No. : 26628-22-8
EC No. : 247-852-1

<table>
<thead>
<tr>
<th>Component</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium azide</td>
<td>As Per EC Regulation 1272/2008 Acute Tox. Oral, dermal 1,2; STOT RE 2; Aquatic Chronic 1 H300+H310; H373; H410</td>
<td>100%</td>
</tr>
<tr>
<td>CAS No. :</td>
<td>26628-22-8</td>
<td></td>
</tr>
<tr>
<td>EC No. :</td>
<td>247-852-1</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
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
    Sodium oxides
    No data available
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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Colourless or white to off-white solid or crystals or chunks or powder or granules</td>
</tr>
<tr>
<td>Odour</td>
<td>No data available</td>
</tr>
<tr>
<td>Odour Threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting/freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (Solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour density</td>
<td>No data available</td>
</tr>
<tr>
<td>Thermal decomposition</td>
<td>No data available</td>
</tr>
</tbody>
</table>

9.2 Other safety information
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
Metals, Acids, Acid chlorides
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 : VY8050000
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 : 1687 ADR : 1687 IATA_C : 1687 IATA_P : 1687 IMDG : 1687 RID : 1687

14.2 UN proper shipping name
ADNR : Sodium azide
ADR : Sodium azide
IATA_C : Sodium azide
IATA_P : Sodium azide
IMDG : Sodium azide
RID : Sodium azide

14.3 Transport hazard class(es)

14.4 Packaging group
ADNR : II ADR : II IATA_C : II IATA_P : II IMDG : II RID : II

14.5 Environmental hazards
ADNR : No ADR : No IMDG : Marine Pollutant : Yes 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
H300+H310 Fatal if swallowed or in contact with skin
H373 May cause damage to organs through prolonged or repeated exposure
H410 Very toxic to aquatic life with long lasting effects
Acute Tox. Oral, dermal 1,2 Fatal if swallowed or in contact with skin
STOT RE 2 Specific target organ toxicity, repeated exposure, Category 2
Aquatic Chronic 1 Hazardous to the aquatic environment, long term hazard, Category 1

Further Information

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