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

1.1 Product Identifiers
Product Number  GRM6753
Product Name  Caffeine anhydrous, Hi-AR™
CAS No. :  58-08-2
EC No. :  200-362-1

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]
Acute toxicity, Oral, (Category 4), H302

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

Pictogram
Signal word Warning
Hazard Statement(s)
H302 Harmful if swallowed

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 : C₆H₁₀N₄O₂
Molecular Weight : 194.19  
CAS No. : 58-08-2  
EC No. : 200-362-1

<table>
<thead>
<tr>
<th>Component</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Caffeine anhydrous, Hi-AR™</td>
<td>As Per EC Regulation 1272/2008</td>
<td>100%</td>
</tr>
<tr>
<td>CAS No. : 58-08-2</td>
<td>Acute Tox.oral 4  H302</td>
<td></td>
</tr>
<tr>
<td>EC No. : 200-362-1</td>
<td></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
Carbon oxides, nitrogen oxides (NOx), Nature of decomposition products not known
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.

<table>
<thead>
<tr>
<th>9</th>
<th>Physical and chemical properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.1 Information on basic physical and chemical properties</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>White to light yellow crystals or powder</td>
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<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>
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</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>
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</tr>
<tr>
<td>Autoignition Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
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</tr>
<tr>
<td>Viscosity</td>
<td>No data available</td>
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<tr>
<td>Explosive properties</td>
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<tr>
<td>Oxidizing properties</td>
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<tr>
<td>Vapour density</td>
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</tr>
<tr>
<td>Thermal decomposition</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>9.2 Other safety information</th>
</tr>
</thead>
<tbody>
<tr>
<td>No data available</td>
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<table>
<thead>
<tr>
<th>10</th>
<th>Stability and Reactivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.1 Reactivity</td>
<td>No data available</td>
</tr>
<tr>
<td>10.2 Chemical stability</td>
<td>Stable under recommended storage conditions.</td>
</tr>
<tr>
<td>10.3 Possibility of hazardous reactions</td>
<td>No data available</td>
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<tr>
<td>10.4 Conditions to avoid</td>
<td>Incompatible material</td>
</tr>
<tr>
<td>10.5 Incompatible materials</td>
<td>Strong oxidizing agents</td>
</tr>
<tr>
<td>10.6 Hazardous decomposition products</td>
<td>Other decomposition products - refer section 5.2.</td>
</tr>
</tbody>
</table>

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 : EV6475000

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 : - ADR : - IATA_C : - IATA_P : - IMDG : - RID : -

14.2 UN proper shipping name
ADNR : Not dangerous goods ADR : Not dangerous goods IATA_C : Not dangerous goods IATA_P : Not dangerous goods IMDG : Not dangerous goods RID : Not dangerous goods

14.3 Transport hazard class(es)
ADNR : - ADR : - IATA_C : - IATA_P : - IMDG : - RID : -

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
H302 Harmful if swallowed
Acute Tox.oral 4 Acute toxicity, oral, Category 4

Further Information
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