

| Name of the Product | | Acetamide Nutrient Broth (Twin Pack) | | | | | | | | | | | | | | | | |
|---------------------|--|---|---|-----------|----------------|---------------|------------------|--|--|-----------|-----------|---|----------|-----------|-------------|--------------|---------------------|-------------------|
| Code No. | | DM 2370 | | | | | | | | | | | | | | | | |
| Section 1 | Chemical Identification | | | | | | | | | | | | | | | | | |
| | Code No. | : | DM 2370 | | | | | | | | | | | | | | | |
| | Name of the Product | : | Acetamide Nutrient Broth (Twin Pack) | | | | | | | | | | | | | | | |
| | Produced by | : | Central Drug House Pvt. Ltd. | | | | | | | | | | | | | | | |
| | Address | : | 7/28 Vardaan House, Darya Ganj, New Delhi (INDIA) | | | | | | | | | | | | | | | |
| | Tel. No. | : | 00 91 11 49404040 | | | | | | | | | | | | | | | |
| Section 2 | Hazards Identification | | | | | | | | | | | | | | | | | |
| | <div><div>2.1</div><div>Classification of the substance or mixture</div><div>CLP Classification-Regulation (EC) No. 1272/2008[EU-GHS/CLP]</div><div>Carcinogenicity, (Category 2), H351</div><div>Classification according to EU Directives 67/548/EEC or 1999/45/EC</div><div>Limited evidence of a carcinogenic effect. R40</div></div> <div><div>2.2</div><div>Label elements</div><div>Labeling according to Regulation (EC) No.1272/2008</div><div><div><div><div></div><div></div><div></div></div><div>GHS08</div></div><div>Pictogram</div><div>Signal word</div><div>Warning</div><div>Hazard Statement(s)</div><div>H351</div><div>Suspected of causing cancer</div><div>Precautionary Statement(s)</div><div>P201</div><div>Obtain special instructions before use.</div><div>P281</div><div>Use personal protective equipment as required.</div><div>P308 + P313</div><div>IF exposed or concerned: Get medical advice/attention.</div><div>R-Phrase(s)</div><div>R40</div><div>Limited evidence of a carcinogenic effect.</div><div>S-Phrase(s)</div><div>S36/37</div><div>Wear suitable protective clothing and gloves.</div></div></div> <div><div>2.3</div><div>Other Hazards</div><div>None</div></div> | | | | | | | | | | | | | | | | | |
| Section 3 | Composition/Information On Ingredients | | | | | | | | | | | | | | | | | |
| | <div><div>3.2</div><div>Mixture</div><table><tr><th>Component</th><th>Classification</th><th>Concentration</th></tr><tr><td colspan="3">Ferrous sulphate</td></tr><tr><td>CAS No. :</td><td>7720-78-7</td><td rowspan="4">As Per EC Regulation 1272/2008 Acute Tox.oral 4; Skin Irrit. 2; Eye Irrit. 2A H302; H315; H319 >=0.001 - <=0.01%</td></tr><tr><td>EC No. :</td><td>231-753-5</td></tr><tr><td>Index- No :</td><td>026-003-00-7</td></tr><tr><td>Molecular Formula :</td><td>FeSO₄</td></tr></table></div> | | | Component | Classification | Concentration | Ferrous sulphate | | | CAS No. : | 7720-78-7 | As Per EC Regulation 1272/2008 Acute Tox.oral 4; Skin Irrit. 2; Eye Irrit. 2A H302; H315; H319 >=0.001 - <=0.01% | EC No. : | 231-753-5 | Index- No : | 026-003-00-7 | Molecular Formula : | FeSO ₄ |
| Component | Classification | Concentration | | | | | | | | | | | | | | | | |
| Ferrous sulphate | | | | | | | | | | | | | | | | | | |
| CAS No. : | 7720-78-7 | As Per EC Regulation 1272/2008 Acute Tox.oral 4; Skin Irrit. 2; Eye Irrit. 2A H302; H315; H319 >=0.001 - <=0.01% | | | | | | | | | | | | | | | | |
| EC No. : | 231-753-5 | | | | | | | | | | | | | | | | | |
| Index- No : | 026-003-00-7 | | | | | | | | | | | | | | | | | |
| Molecular Formula : | FeSO ₄ | | | | | | | | | | | | | | | | | |



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| | | <table> <tr> <th>Component</th><th>Classification</th><th>Concentration</th></tr> <tr> <td>Acetamide</td><td></td><td></td></tr> <tr> <td>CAS No. : 60-35-5</td><td>As Per EC Regulation 1272/2008</td><td>>=1.0 - <=10.0%</td></tr> <tr> <td>EC No. : 200-473-5</td><td>Carc. 2 H351</td><td></td></tr> </table> | Component | Classification | Concentration | Acetamide | | | CAS No. : 60-35-5 | As Per EC Regulation 1272/2008 | >=1.0 - <=10.0% | EC No. : 200-473-5 | Carc. 2 H351 | |
|--------------------|---|---|-----------|----------------|---------------|-----------|--|--|-------------------|--------------------------------|-----------------|--------------------|--------------|--|
| Component | Classification | Concentration | | | | | | | | | | | | |
| Acetamide | | | | | | | | | | | | | | |
| CAS No. : 60-35-5 | As Per EC Regulation 1272/2008 | >=1.0 - <=10.0% | | | | | | | | | | | | |
| EC No. : 200-473-5 | Carc. 2 H351 | | | | | | | | | | | | | |
| | | Refer Section 16 for complete statement of H codes and its classification | | | | | | | | | | | | |
| Section 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 immediately with plenty of water for at least 15 minutes. 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 | | | | | | | | | | | | | |
| Section 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 Magnesium oxides, Sulphur oxides, Sodium oxides, Iron oxides, Hydrogen chloride gas, Oxides of phosphorus, 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 | | | | | | | | | | | | | |
| Section 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. | | | | | | | | | | | | | |
| | 6.3 Methods and materials for containment and cleaning up Soak up with inert absorbent material. Keep in suitable, closed containers for disposal. | | | | | | | | | | | | | |
| | 6.4 Reference to other sections For disposal see Section 13. | | | | | | | | | | | | | |



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| Section 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. | |
| | 7.2 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 : On receipt store between 10-30°C | |
| | 7.3 Specific end uses Apart from the uses mentioned in section 1.2 no other specific uses are stipulated. | |
| Section 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 products. 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 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 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 2016/425/EEC and the standard EN ISO 374-1/2016 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 workplace. Respiratory protection Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to 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. | |
| Section 9 | Physical and Chemical Properties | |
| | 9.1 Information on basic physical and chemical properties | |
| | Appearance | Part A : White to cream homogeneous free flowing powder Part B : White to cream deliquescent crystals. |
| | Odour | No data available |
| | Odour Threshold | No data available |
| | pH | 6.80 – 7.20 |
| | Melting/freezing point | No data available |
| | Initial boiling point and boiling range | No data available |
| | Flash point | No data available |
| | Flammability (Solid, gas) | No data available |



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| | <p>Vapour pressure Relative density Water Solubility Partition coefficient: n-octanol/water Autoignition Temperature Viscosity Explosive properties Oxidizing properties Vapour density Thermal decomposition</p> <p>9.2 Other safety information No data available</p> | <p>No data available No data available No data available No data available No data available No data available No data available No data available No data available No data available</p> |
| Section 10 | Stability and Reactivity | |
| | <p>10.1 Reactivity No data available</p> <p>10.2 Chemical stability No data available</p> <p>10.3 Possibility of hazardous reactions No data available</p> <p>10.4 Conditions to avoid No data available</p> <p>10.5 Incompatible materials No data available</p> <p>10.6 Hazardous decomposition products Refer Section 5.2</p> | |
| Section 11 | Toxicological Information | |
| | <p>11.1 Information on toxicological effects</p> <p>Acute toxicity No data available</p> <p>Skin corrosion/irritation No data available</p> <p>Serious eye damage/eye irritation No data available</p> <p>Respiratory or skin sensitisation No data available</p> <p>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.</p> <p>Reproductive toxicity No data available</p> <p>Specific target organ toxicity- single exposure No data available</p> <p>Aspiration hazard No data available</p> <p>Potential Health Effects</p> <p>Inhalation REFER SECTION 2</p> <p>Skin REFER SECTION 2</p> | |



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| | <p>Eye REFER SECTION 2</p> <p>Ingestion REFER SECTION 2</p> <p>Additional Information RTECS : No data available</p> <p>11.2 Components</p> <p>Ferrous sulphate Acute Oral Toxicity Mouse LD50: 1.520 mg/kg</p> <p>Additional information: RTECS: NO8510000</p> <p>Acetamide Acute Oral toxicity Rat LD50: 7,000 mg/kg</p> <p>Additional information: RTECS: AB4025000</p> |
| Section 12 | Ecological Information |
| | <p>12.1 Toxicity No data available</p> <p>Components:</p> <p>Acetamide Toxicity to fish Gambusia affinis (Mosquito fish) LC50: 13,300 mg/l-96 h No data available</p> <p>Components:</p> <p>Ferrous sulphate Toxicity to fish Brook trout (Salvelinus fontinalis) LC 50: 0.41 mg/l ; 96h Toxicity to daphnia and other aquatic invertebrates Water flea (Daphnia magna) EC 50: 6.15 mg/l; 48h</p> <p>12.2 Persistence and degradability No data available</p> <p>12.3 Bioaccumulative potential No data available</p> <p>12.4 Mobility in soil No data available</p> <p>12.5 PBT and vPvB assessment This substance or mixture contains no components considered to be persistent, bioaccumulating nor toxic (PBT) at levels of 0.1% or higher.</p> <p>12.6 Other adverse effects No data available</p> |



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| Section 13 | Disposal Considerations | | | | | | | | | | | | | | |
| | <p>13.1 Waste treatments methods Product Offer surplus and non-recyclable solutions to a licenced disposal company. Contact a licenced professional waste disposal service to dispose off this material.</p> <p>13.2 Contaminated packaging Dispose of as unused product.</p> | | | | | | | | | | | | | | |
| Section 14 | Transport Information | | | | | | | | | | | | | | |
| | <p>14.1 UN-No ADNR: ADR: IATA_C: IATA_P: IMDG: RID:</p> <p>14.2 UN proper shipping name ADNR : Not dangerous good ADR : Not dangerous good IATA_C : Not dangerous good IATA_P : Not dangerous good IMDG : Not dangerous good RID : Not dangerous good</p> <p>14.3 Transport hazard class (es) ADNR: ADR: IATA_C: IATA_P: IMDG: RID:</p> <p>14.4 Packaging group ADNR: ADR: IATA_C: IATA_P: IMDG: RID:</p> <p>14.5 Environmental hazards ADNR : No ADR : No IMDG : Marine pollutant No IATA_C : No IATA_P : No RID : No</p> <p>14.6 Special precautions for use No data available</p> | | | | | | | | | | | | | | |
| Section 15 | Regulatory Information | | | | | | | | | | | | | | |
| | <p>This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.</p> <p>15.1 Safety health and environment regulations/legislation specific for the substance or mixture No data available</p> <p>15.2 Chemical Safety Assessment No data available</p> | | | | | | | | | | | | | | |
| Section 16 | Other Information | | | | | | | | | | | | | | |
| | <table> <tr> <td>H302</td><td>Harmful if swallowed</td></tr> <tr> <td>H315</td><td>Causes skin irritation</td></tr> <tr> <td>H319</td><td>Causes serious eye irritation</td></tr> <tr> <td>H351</td><td>Suspected of causing cancer</td></tr> <tr> <td>Acute Tox.oral 4</td><td>Acute toxicity, oral, Category 4</td></tr> <tr> <td>Eye Irrit. 2A</td><td>Serious eye damage or eye irritation, Category 2A</td></tr> <tr> <td>Skin Irrit. 2</td><td>Skin corrosion or irritation, Category 2</td></tr> </table> <p>Further Information The information contained in this data sheet represents the best information currently available to us. However, no warranty is made with respect to its completeness and we assume no liability resulting from its use. The information is offered solely for user's obligation to investigate and determine the suitability of the information for their particular purpose.</p> | H302 | Harmful if swallowed | H315 | Causes skin irritation | H319 | Causes serious eye irritation | H351 | Suspected of causing cancer | Acute Tox.oral 4 | Acute toxicity, oral, Category 4 | Eye Irrit. 2A | Serious eye damage or eye irritation, Category 2A | Skin Irrit. 2 | Skin corrosion or irritation, Category 2 |
| H302 | Harmful if swallowed | | | | | | | | | | | | | | |
| H315 | Causes skin irritation | | | | | | | | | | | | | | |
| H319 | Causes serious eye irritation | | | | | | | | | | | | | | |
| H351 | Suspected of causing cancer | | | | | | | | | | | | | | |
| Acute Tox.oral 4 | Acute toxicity, oral, Category 4 | | | | | | | | | | | | | | |
| Eye Irrit. 2A | Serious eye damage or eye irritation, Category 2A | | | | | | | | | | | | | | |
| Skin Irrit. 2 | Skin corrosion or irritation, Category 2 | | | | | | | | | | | | | | |