







MATERIAL SAFETY DATA SHEET		
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SECTION 1: Identification of the substance/mixture and of the company/undertaking
<p>1.1 Product identifiers: Product form : Substance Substance name : Ammonium Sulfate CAS No : 7783-20-2 Formula : N₂H₈O₄S</p> <p>1.2 Relevant identified uses of the substance or mixture and uses advised again Use of the substance/mixture : For laboratory and manufacturing use only. Restrictions on use : Not for food, drug or household use</p> <p>1.3 Details of the supplier of the safety data sheet Company : Sujata Nutri-Pharma Pvt. Ltd. 875/2 GIDC Estate Makarpura Vadodara 390010, Gujarat , India Telephone : 0265-3500351 Website : www.sujatanutripharma.com Email : info@sujatanutripharma.com</p> <p>1.4 Emergency telephone number Emergency telephone : 02652630282 (9:00 to 6:00) office hours only</p>
SECTION 2: Hazards identification
<p>2.1 Classification of the substance or mixture Hazardous to the aquatic environment - Acute Hazard Category 3 H402 Full text of H statements : see section 16</p> <p>2.2 Label elements Hazard statements (GHS-US) : H402 - Harmful to aquatic life Precautionary statements (GHS-US) : P273 - Avoid release to the environment P501 - Dispose of contents/container to comply with local, state and federal regulations</p> <p>2.3 Other hazards Other hazards not contributing to the classification: None.</p> <p>2.4. Unknown acute toxicity Not applicable</p>
SECTION 3: Composition/information on ingredients

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3.1 Substances Substance type : Mono-constituent Name : Ammonium Sulfate : (Main constituent) Product identifier : (CAS No) 7783-20-2 % : 100 GHS classification : Aquatic Acute 3, H402 Full text of hazard classes and H-statements : see section 16 3.2. Mixture ;Not applicable	
Section 4: First Aid Measures	
4.1 Description of first aid measures First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). First-aid measures after inhalation : Allow victim to breathe fresh air. Allow the victim to rest. First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist. First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.	
4.2 Most important symptoms and effects, both acute and delayed Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.	
4.3 Indication of any immediate medical attention and special treatment needed None. Obtain medical assistance.	
SECTION 5: Fire Fighting Measures	
5.1 Extinguishing media Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand. Unsuitable extinguishing media : Do not use a heavy water stream.	
5.2 Special hazards arising from the substance or mixture Fire hazard : Not flammable. Explosion hazard : Not applicable. Reactivity : None.	
5.3 Advice for firefighters Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection	

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5.4 Further information No data available
SECTION 6: Accidental release measures
6.1 Personal precautions, protective equipment and emergency procedures 6.1.1. For non-emergency personnel Protective equipment : Wear chemically protective gloves, lab coat or apron to prevent prolonged or repeated skin contact. Emergency procedures : Evacuate unnecessary personnel. 6.1.2. For emergency responders Protective equipment : Equip cleanup crew with proper protection. Emergency procedures : Ventilate area. 6.2 Environmental precautions Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment. 6.3 Methods and materials for containment and cleaning up Methods for cleaning up : On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials. 6.4 Reference to other sections See Heading 8. Exposure controls and personal protection.
Section 7: Handling and Storage
7.1 Precautions for safe handling Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Hygiene measures : Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. 7.2 Conditions for safe storage, including any incompatibilities Store at ambient/room temperature away from sunlight in a tightly closed condition.
Section 8: Exposure Controls/Personal Protection
8.1 Control parameters No additional information available 8.2 Exposure controls Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in

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the immediate vicinity of any potential exposure.




Personal protective equipment : Avoid all unnecessary exposure. Gloves. Safety glasses.



Hand protection : Wear protective gloves.
 Eye protection : Chemical goggles or safety glasses.
 Respiratory protection : Wear appropriate mask.
 Other information : Do not eat, drink or smoke during use.

Section 9: Physical and Chemical Properties
9.1 Information on basic physical and chemical properties

Physical state : Solid
 Appearance : Powder.
 Color : white
 Odor : Odorless
 Odor threshold : No data available
 PH : No data available
 pH solution : 5 - 6 132 g/L @ 25°C
 Melting point : 280 °C
 Freezing point : No data available
 Boiling point : No data available
 Flash point : No data available
 Relative evaporation rate (butyl acetate=1) : No data available
 Flammability (solid, gas) : Non flammable.
 Vapor pressure : No data available
 Relative vapor density at 20 °C : No data available
 Relative density : No data available
 Specific gravity / density : 1.77 g/ml
 Molecular mass : 132.14 g/mol
 Solubility : Soluble in water.
 Water : 75 g/100ml
 Log Pow : -5.1
 Auto-ignition temperature : No data available
 Decomposition temperature : 280 °C
 Viscosity, kinematic : No data available
 Viscosity, dynamic : No data available
 Explosion limits : No data available
 Explosive properties : Not applicable.
 Oxidizing properties : None.

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9.2. Other information

No additional information available

Section 10 : Stability and Reactivity Data

10.1 Reactivity

No data available

10.2 Chemical stability

Not established

10.3 Possibility of hazardous reactions

Not established

10.4 Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5 Incompatible materials

Strong oxidizers. Strong bases.

10.6 Hazardous decomposition products

Gaseous ammonia. Sulfur compounds.

Section 11 : Toxicological Information

11.1 Information on toxicological effects

Likely routes of exposure : Inhalation; Skin and eye contact

Acute toxicity : Not classified

Skin corrosion/irritation : Not classified (Conclusive but not sufficient for classification)

Serious eye damage/irritation : Not classified (Conclusive but not sufficient for classification)

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not

Met)

Carcinogenicity : Not classified

Reproductive toxicity : Not classified Based on available data, the classification criteria are not met)

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified




Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

Section 12 : Ecological Information

12.1 Toxicity

Ecology - water : Harmful to aquatic life.

Ammonium sulphate (7783-20-2)	
LC50 fish 1	36.7 mg/l

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EC50 Daphnia 1	433 mg/l
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12.2 Persistence and degradability

Ammonium sulphate (7783-20-2)	
Persistence and degradability	Not established

12.3 Bioaccumulative potential

Ammonium sulphate (7783-20-2)	
Log Pow	-5.1
Bioaccumulative potential	Not established

12.4 Mobility in soil

No additional information available

12.5 Other adverse effects

Other information : Avoid release to the environment.

Section 13 : Disposal Considerations

13.1 Waste treatment methods Product

Waste disposal recommendations : Dispose of contents/container to comply with local, state and federal regulations.

Ecology - waste materials : Avoid release to the environment.

Section 14 : Transport Information

Department of Transportation (DOT)

In accordance with DOT

Not regulated

Section 15: Other Regulatory Information




15.1. Federal regulations

Ammonium Sulfate (7783-20-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986

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and 40 CFR Part 372..

15.2 international regulations

Ammonium Sulfate (7783-20-2)

Listed on the Canadian DSL (Domestic Substances List)

WHMIS Classification : Uncontrolled product according to WHMIS classification criteria

EU-Regulations

No additional information available

National regulations

Listed on the Canadian IDL (Ingredient Disclosure List)

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Section 16 : Other Information

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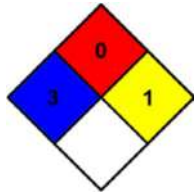
Other information: None.

Full text of H-phrases: see section 16: H402 Harmful to aquatic life

NFPA health hazard : 0 - Exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials.

NFPA fire hazard : 0 - Materials that will not burn.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



HMIS III Rating




Health : 0 Minimal Hazard - No significant risk to health

Flammability : 0 Minimal Hazard - Materials that will not burn

Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Personal protection : A

A - Safety glasses

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Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sujata Nutri-Pharma Pvt.Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product.

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