Arndale Ingredients
Nutritional, Pharmaceutical, Food & Beverage Ingredients

SAFETY DATA SHEET

Section 1: Identification

Product Name: D-GLUCOSAMINE HCL
Chemical Name/Synonyms: D-GLUCOSAMINE HCL
Company: Arndale Ingredients
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Telephone: 0191 455 6086
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Section 2: Hazard(s) Identification

Not a hazardous substance or preparation according to EC-directives 67/548/EEC or 1999/45/EC

Section 3: Composition/ Information on Ingredients

Formula: $C_6H_{13}NO_5.HCL$
Molecular Weight: 215.63 g/mol

Chemical Name	Synonym	CAS#	Conc.
D-glucosamine HCL	D-glucosamine HCL	66-84-2	100%

Section 4: First-Aid Measures

After skin contact: Wash off with soap and plenty of water.
After eye contact: Flush eyes with water as a precaution
After inhalation: If breathed in, move person into fresh air, if not breathing give artificial respiration
After swallowing: Never give anything by mouth to an unconscious person. Rinse mouth with water.

Section 5: Fire-Fighting Measures

Suitable extinguishing agents: Use water spray, dry chemical powder, carbon dioxide, or appropriate foam.
Special protective equipment for firefighters: Wear self-contained breathing apparatus for firefighting if necessary

Section 6: Accidental Release Measures

Measures for cleaning/collecting: Handle spilled material to minimize dust release. Vacuum or sweep up material and place in disposal container. Dispose of waste powder in accordance with local, state, and federal regulations.

Section 7: Handling and Storage

Handling: Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.
Storage: Keep tightly closed in a dry, cool and well-ventilated place, out of light. Do not place it together with tinder, explosive or corrosive goods

Section 8: Exposure Controls/Personal Protection

General protective and hygienic measures: General industrial hygiene practice
Breathing equipment: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use typeN95(US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN(EU)
Protection of hands: For prolonged or repeated contact use protective gloves.
Eye protection: Safety glasses

Section 9: Physical and Chemical Properties

HYSICAL STATES:	Solid
BOILING POINT:	N/A
MELTING POINT:	N/A
SPECIFIC GRAVITY (WATER = 1):	N/A
VAPOR PRESSURE (VS.AIR OR MM HG):	N/A
VAPOR DENSITY (VS. AIR = 1):	N/A
EVAPORATION RATE (VS BUTYLACETATE=1):	N/A
SOLUBILITY IN WATER:	N/A
PERCENT VOLATILE:	
PH:	N/A

APPEARANCEAND ODOR
White Crystalline, Free Flowing Powder and odourless

Section 10: Stability and Reactivity

Chemical stability: Stable under recommended storage conditions
Incompatible materials: Strong oxidizing agents
Hazardous decomposition products: Hazardous decomposition products formed under fire conditions– Carbon oxides,sulphur oxides (SOx)

Section 11: Toxicological Information

Acute toxicity: No data available
Potential routes of exposure/potential health effects
Skin: No data available
Eye: No data available
Inhalation: No data available
Ingestion: No data available
Carcinogenic effects: No data available
Mutagenic effects: No data available
Reproductive toxicity: No data available
Sensitization: No data available
Target organs: No data available

Section 12: Ecological Information (non-mandatory)
Ecotoxicity: No data available **Mobility:** No data available **Biodegradation:** No data available **Bioaccumulation:** No data available
Section 13: Disposal Considerations (non-mandatory)
Dispose of in accordance with all local, state, and Federal regulation.
Section 14: Transport Information (non-mandatory)
Not dangerous goods
Section 15: Regulatory Information (non-mandatory)
The product does not need to be labelled in accordance with EC directives or respective national laws
Section 16: Other Information
The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification.