

Material Safety Data Sheet of Acetyl Glucosamine

SECTION 1: Chemical Product and Company Identification

1.1 Product identifiers

Product name: Acetyl Glucosamine

CAS-No.: 7512-17-6

Company Identification :Huarui Biotechnology (Chuzhou) Co., Ltd.

ADD: No.236 Wenzhong Road, Zhongxin Suchu High-tech Industrial Development Zone, Chuzhou City, Anhui Province, China

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SECTION 2: Composition/information on ingredients

2.1 Composition

Substance/Mixture :Substance

2.2 Substances

Molecular formula:C₈H₁₅NO₆

Molecular weight:221.21 g/mol

Composition information: single substance

SECTION 3: Hazards summarizing

3.1 Overview of emergencies

Powder, if inhaled, remove patient to fresh air. If breathing stops, perform artificial respiration. Flush with soap and plenty of water. It is prudent to flush the eyes with water. Do not feed the unconscious person anything. Rinse mouth with water.

3.2 GHS Hazard Category

Non-hazardous substances or mixtures.

3.3 GHS labeling elements, including precautionary statements

Non-hazardous substances or mixtures.

3.4 Physical and chemical hazards

There are no physical or chemical hazards for which information is currently available.

3.5 Health hazards

There are no health hazards with the information available at this time.

3.6 Environmental hazards

Currently have information that there are no environmental hazards.

3.7 Other hazards: none

SECTION 4: First-aid measures

4.1 Description of necessary first aid measures

inhalation

If inhaled, move patient to fresh air. If breathing stops, perform artificial respiration.

dermal contact

Rinse with soap and plenty of water.

eye contact

It is prudent to flush your eyes with water.

ingestion

Never feed anything to an unconscious person. Rinse mouth with water.

4.2 Instructions and directions for timely medical treatment and special treatment required

No data available

4.3 Special tips for physicians

No data available

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Fire extinguishing methods and agents

Extinguish fires with water spray, alcohol-resistant foam, dry powder or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

carbon oxide

nitrogen oxide

5.3 Fire Fighting Precautions and Protective Measures

Wear self-contained breathing apparatus (SCBA) for firefighting operations, if necessary.

SECTION 6: Accidental release measures

6.1 Personnel protective measures, protective equipment and emergency response procedures

Avoid dust generation. Avoid inhaling vapors, aerosols or gases.

For personal protection, see section VIII.

6.2 Environmental protection measures

No special environmental precautions are required.

6.3 Sheltering of spilled chemicals, removal methods and disposal materials used

Sweep and shovel off. Place in a suitable closed container to be disposed of.

SECTION 7: Handling and storage

7.1 Precautions for safe operation

Recommendations for fire and explosion protection

Provide suitable exhaust ventilation in areas where dust is generated.

hygiene measure

Routine industrial hygiene operations.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Keep container tightly closed and store in a dry, ventilated place.

VCI storage class

German storage class (TRGS 510): 13: Non-combustible solid.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Hazard Composition and Occupational Exposure Limits

Does not contain substances with occupational exposure limits.

8.2 Exposure control

Appropriate technical controls

Routine industrial hygiene operations.

individual protective equipment

eye and face protection

Use equipment protective eyewear that has been tested and approved by official standards such as NIOSH (USA) or EN 166 (EU).

Skin protection

Gloves must be inspected before use. Remove the gloves using the appropriate method (do not touch the outer surface of the gloves) and avoid any contact with any part of the skin. Dispose of contaminated gloves carefully after use in accordance with applicable laws and regulations and valid laboratory procedures. Wash and blow-dry your hands.

The protective gloves chosen must comply with the specifications given in Regulation (EU) 2016/425 and the EN 374 standard from which it is derived.

Physical protection

The choice of physical protection is based on the type, concentration and quantity of the hazardous substance and the particular workplace. The type of protective equipment must be selected according to the concentration and quantity of the hazardous substance in the particular workplace.

Respiratory protection

Breathing protection is not required. For protection against dust damage, use a dust mask type N95 (US) or P1 (EN 143). Respirators Use respirators and parts that have been tested and passed government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

No special environmental precautions are required.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form (20°C):	solid
Appearance:	Powder or granules
Color:	White to off-white
Odor:	No information available
pH:	5.0~7.0

Melting point/solidification point (°C):	198~202°C
Boiling Point, Initial Boiling Point and Boiling Range (°C):	636.4°C at 760 mmHg
Flash point (°C):	338.7°C
Specific rotation:	+41.26°
Explosive properties	
Lower explosive limit:	No information available
Explosive limit:	No information available
Relative density (water in 1):	0.35~0.5g/cm ³
Solubility:	not available

9.2 Other safety information

No data available

SECTION 10: Stability and reactivity

10.1 Stability

Stable under recommended storage conditions.

10.2 Hazardous reactions

No data available

10.3 Conditions to be avoided

No data available

10.4 Prohibited compounds

strong oxidizer

SECTION 11: Toxicological information

11.1 Information on toxicological effects

acute toxicity

Transthoracic port/no data available

Inhalation/No data available

Transcutaneous/no data available

Skin corrosion/irritation

No data available

Severe eye damage/eye irritation

No data available

Breathing or skin allergies

No data available

germ cell mutagenicity

No data available

carcinogenicity

No data available

reproductive toxicity

No data available

Specific target organ system toxicity (single exposure)

No data available

Specific target organ system toxicity (repeated exposure)

No data available

inhalation hazard

No data available

11.2 Additional Note: To the best of our knowledge, the chemical, physical and toxicological properties have not been fully investigated.

SECTION 12: Ecological information

12.1 Ecotoxicity

No data available

12.2 Persistence and degradation

No data available

12.3 Bioaccumulation potential

No data available

12.4 Mobility in soil

No data available

12.5 Evaluation of results for PBT and vPvB

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Endocrine Disrupting Properties

No data available

12.7 Other environmentally harmful effects

No data available

SECTION 13: Disposal

13.1 Waste treatment methods

Products: Dispose of surplus and non-recyclable solutions to a licensed company.

Contaminated packaging: dispose of as unused product

SECTION 14: Transport information

14.1 UN No. Dangerous Goods Code (UN No.): Non-dangerous goods (for information only, please verify)

14.2 UN shipping name: Non-dangerous goods (for information only, please verify)

14.3 UN Hazard Classification: Non-dangerous goods (for information only, please verify)

14.4 Packing group: Non-dangerous goods (for information only, please verify)

14.5 Packaging method: Packaged according to the manufacturer's recommended method, e.g. open steel drums. Ordinary wooden box outside ampoule bottles. Threaded-mouth glass bottles, glass bottles with iron caps and crimped mouths, plastic bottles or metal drums (cans) outside ordinary wooden boxes.

14.6 Marine pollutants (Yes/No): No

14.7 Transportation Considerations:

Transportation vehicles should be equipped with appropriate varieties and quantities of fire-fighting equipment and emergency response equipment for leaks.

Mixing with oxidizers, edible chemicals, etc. is strictly prohibited.

Exhaust pipes of vehicles transporting the article must be equipped with a flame arrestor.

The use of tanks (tanks) should be transported with a grounding chain, tanks can be set up in the hole partition to reduce the vibration of static electricity.

It is prohibited to use spark-prone mechanical equipment and tools for loading and unloading.

Transportation is best done early and late in the summer.

It should be protected from exposure to sun and rain and high temperature during transportation.

Stay away from fires, heat sources, and hot areas during stopovers.

When transporting by road, follow the prescribed routes and do not stop in residential and densely populated areas.

Slippage is to be prohibited for railroad transportation.

Bulk transportation by wooden boats and cement ships is strictly prohibited.

Danger signs and notices shall be posted on the means of transportation in accordance with relevant transportation requirements.

SECTION 15: Regulatory information

15.1 Regulations/laws specific to the safety, health and environment of the substance or mixture.

Applicable regulations

15.2 Other provisions

Please note that waste disposal should also meet local regulations.

SECTION 16: Other information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages. (Date: Jan 20, 2024)