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MATERIAL SAFETY DATA SHEET

N-Acetyl-D-galactosamine

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name: N-Acetyl-D-galactosamine Date: 16th January 2017 Version: Discofinechem3

Company: Discovery Fine Chemicals Ltd
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Wimborne Dorset BH21 7RR. United Kingdom

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2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

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

2.2 Label elements

Hazard Statements- None

Precautionary Statements

P261 Avoid breathing dust

P281 Use personal protective equipment as required.

R Phrases: None

S Phrases:

S.22 Do not breathe dust

S.24/25 Avoid contact with skin and eyes

The product does not need to be labelled in accordance with EC directives or respective national laws.

2.3 Other hazards - none

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Synonyms: N-Acetylchondrosamine, 2-Acetamido-2-deoxy-D-galactose, D-GalNAc

Cas No: 1811-31-0 Formula: C8H15NO6 Molecular Weight: 221.21g/mol

4. FIRST AID MEASURES

4.1 Description of first aid measures

If inhaled - If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact - Wash off with soap and plenty of water.

In case of eye contact - Flush eyes with water as a precaution.

If swallowed - Never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed - To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

4.3 Indication of any immediate medical attention and special treatment needed - no data available

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media - Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture - Carbon oxides, nitrogen oxides (NOx)

5.3 Advice for firefighters - 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 - Avoid dust formation. Avoid breathing vapors, mist or gas.

6.2 Environmental precautions - Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up - Sweep up and shovel. 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 - Provide appropriate exhaust ventilation at places where dust is formed. 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. Recommended storage temperature: 2 - 8 °C
7.3 Specific end uses - no data available
8. EXPOSURE CONTROLS/PERSONAL PROTECTION
8.1 Control parameters
Components with workplace control parameters - Contains no substances with occupational exposure limit values.
8.2 Exposure controls
Appropriate engineering controls - General industrial hygiene practice.
Personal protective equipment
Eye/face protection - 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 of 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 89/686/EEC and the standard EN 374 derived from it.
Body Protection - Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory protection - Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (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).
9. PHYSICAL AND CHEMICAL PROPERTIES
9.1 Information on basic physical and chemical properties
a) Appearance - Form: solid, Colour: white
b) Odour - no data available
c) Odour Threshold - no data available
d) pH - no data available
e) Melting point/freezing point - Melting point/range: 160 °C
f) Initial boiling point and boiling range - no data available
g) Flash point - no data available
h) Evaporation rate - no data available
i) Flammability (solid, gas) - no data available
j) Upper/lower flammability or explosive limits - no data available
k) Vapour pressure - no data available
l) Vapour density - no data available
m) Relative density - no data available
n) Water solubility - no data available
o) Partition coefficient: noctanol/water - no data available
p) Autoignition temperature - no data available
q) Decomposition temperature - no data available
r) Viscosity - no data available
s) Explosive properties - no data available
t) Oxidizing properties - no data available
9.2 Other safety information - no data available
10. STABILITY AND REACTIVITY
10.1 Reactivity - no data available
10.2 Chemical stability - no data available
10.3 Possibility of hazardous reactions - no data available
10.4 Conditions to avoid - no data available
10.5 Incompatible materials - Strong oxidizing agents
10.6 Hazardous decomposition products - Other decomposition products - no data available
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 sensitization - 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
Potential health effects
Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion: May be harmful if swallowed.
Skin: May be harmful if absorbed through skin. May cause skin irritation.
Eyes: May cause eye irritation.
Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Additional Information - RTECS: Not available

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 Results of PBT and vPvB assessment - no data available
12.6 Other adverse effects - no data available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Product - Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging - Dispose of as unused product.

14. TRANSPORT INFORMATION

14.1 UN number
ADR/RID: - IMDG: - IATA: -
14.2 UN proper shipping name
ADR/RID: Not dangerous goods
IMDG: Not dangerous goods
IATA: Not dangerous goods
14.3 Transport hazard class(es)
ADR/RID: - IMDG: - IATA: -
14.4 Packaging group
ADR/RID: - IMDG: - IATA: -
14.5 Environmental hazards
ADR/RID: no IMDG Marine pollutant: no IATA: no
14.6 Special precautions for user - no data available

15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture - no data available
15.2 Chemical Safety Assessment - no data available

16. OTHER INFORMATION

Further information
Text of H-code(s) and R-phrase(s) mentioned in Section 2
Does not apply
WARRANTY
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.