

**Section 1 - Product and Company Information**

Product Name	N-ACETYL-D-GALACTOSAMINE
Product Number	A2795
Brand	SIGMA
Company Address	Sigma-Aldrich Canada, Ltd 2149 Winston Park Drive Oakville ON L6H 6J8 CA
Technical Phone:	9058299500
Fax:	9058299292
Emergency Phone:	800-424-9300

**Section 2 - Composition/Information on Ingredient**

Substance Name	CAS #	SARA 313
N-ACETYL-D-GALACTOSAMINE*	1811-31-0	No
Formula	C8H15NO6	

**Section 3 - Hazards Identification**

**EMERGENCY OVERVIEW**  
Caution: Avoid contact and inhalation.

**HMS RATING**  
HEALTH: 1  
FLAMMABILITY: 0  
REACTIVITY: 0

**NFPA RATING**  
HEALTH: 1  
FLAMMABILITY: 0  
REACTIVITY: 0

For additional information on toxicity, please refer to Section 11.

**Section 4 - First Aid Measures**

**ORAL EXPOSURE**  
If swallowed, wash out mouth with water provided person is conscious. Call a physician.

**INHALATION EXPOSURE**  
If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

**DERMAL EXPOSURE**  
In case of contact, immediately wash skin with soap and copious amounts of water.

**EYE EXPOSURE**  
In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

**Section 5 - Fire Fighting Measures**

**FLASH POINT**  
N/A

**AUTOIGNITION TEMP**  
N/A

**FLAMMABILITY**  
N/A

**EXTINGUISHING MEDIA**  
Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

**FIREFIGHTING**  
Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Emits toxic fumes under fire conditions.

**Section 6 - Accidental Release Measures**

**PROCEDURE(S) OF PERSONAL PRECAUTION(S)**  
Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

**METHODS FOR CLEANING UP**  
Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

**Section 7 - Handling and Storage**

**HANDLING**  
User Exposure: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

**STORAGE**  
Suitable: Keep tightly closed. Store at 2-8°C

**Section 8 - Exposure Controls / PPE**

**ENGINEERING CONTROLS**  
Safety shower and eye bath. Mechanical exhaust required.

**PERSONAL PROTECTIVE EQUIPMENT**  
Respiratory: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). 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.  
Hand: Protective gloves.  
Eye: Chemical safety goggles.

**GENERAL HYGIENE MEASURES**  
Wash thoroughly after handling.

**Section 9 - Physical/Chemical Properties**

SIGMA - A2795 www.sigma-aldrich.com Page 2

Appearance	Physical State: Solid Color: White	
Property	Value	At Temperature or Pressure
Molecular Weight	221.2 AMU	
pH	N/A	
BP/BP Range	N/A	
MP/MP Range	160 °C	
Freezing Point	N/A	
Vapor Pressure	N/A	
Vapor Density	N/A	
Saturated Vapor Conc.	N/A	
SG/Density	N/A	
Bulk Density	N/A	
Odor Threshold	N/A	
Volatile%	N/A	
VOC Content	N/A	
Water Content	N/A	
Solvent Content	N/A	
Evaporation Rate	N/A	
Viscosity	N/A	
Surface Tension	N/A	
Partition Coefficient	N/A	
Decomposition Temp.	N/A	
Flash Point	N/A	
Explosion Limits	N/A	
Flammability	N/A	
Autoignition Temp	N/A	
Refractive Index	N/A	
Optical Rotation	Degree of Rotation: 10 g/1 Solvent: H2O +102 - +85 (+/-5)	
Miscellaneous Data	N/A	
Solubility	Solvent: 0.1 g/ml H2O clear, colorless	

N/A - not available

**Section 10 - Stability and Reactivity**

**STABILITY**  
Stable: Stable.  
Materials to Avoid: Strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS**  
Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide.

**HAZARDOUS POLYMERIZATION**  
Hazardous Polymerization: Will not occur

**Section 11 - Toxicological Information**

**ROUTE OF EXPOSURE**  
Skin Contact: May cause skin irritation.  
Skin Absorption: May be harmful if absorbed through the skin.  
Eye Contact: May cause eye irritation.  
Inhalation: Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.  
Ingestion: May be harmful if swallowed.

**SIGNS AND SYMPTOMS OF EXPOSURE**  
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SIGMA - A2795 www.sigma-aldrich.com Page 3

toxicological properties have not been thoroughly investigated.

**Section 12 - Ecological Information**

No data available.

**Section 13 - Disposal Considerations**

**APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION**  
Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

**Section 14 - Transport Information**

**DOT**  
Proper Shipping Name: None  
Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

**IATA**  
Non-Hazardous for Air Transport: Non-hazardous for air transport.

**Section 15 - Regulatory Information**

**EU ADDITIONAL CLASSIFICATION**  
S: 22-24/25  
Safety Statements: Do not breathe dust. Avoid contact with skin and eyes.

**US CLASSIFICATION AND LABEL TEXT**  
US Statements: Caution: Avoid contact and inhalation.

**UNITED STATES REGULATORY INFORMATION**  
SARA LISTED: No

**CANADA REGULATORY INFORMATION**  
WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.  
DSL: No  
NDSL: No

**Section 16 - Other Information**

**DISCLAIMER**  
For R&D use only. Not for drug, household or other uses.

**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 with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. Copyright 2008 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.

SIGMA - A2795 www.sigma-aldrich.com Page 4

paper copies for internal use only.