

## SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION

Product Name: N-Acetyl-a-D-glucosamine 99%  
Product Code: A08600  
Supplier: Pfaltz & Bauer, Inc.  
 172 E. Aurora Street  
 Waterbury, CT 06708 USA  
Phone: 203 574-0075  
Fax: 203 574-3181  
Emergency Phone: CHEMTREC, US: 1-800-424-9300  
 CHEMTREC, International: 1-703-527-3887

## SECTION 2: HAZARDS IDENTIFICATION

Statements of Hazard: Irritant  
Acute Health Hazard: Irritant to eyes, skin, mucous membranes and respiratory system. May be harmful by ingestion, inhalation or skin absorption.  
Chronic Health Hazard: Not Available  
HMIS Rating: H:0 F:0 P:0  
NFPA Rating: H:0 F:0 R:0

To the best of our knowledge, the toxicological properties of this chemical have not been thoroughly investigated. Use appropriate procedures and precautions to prevent or minimize exposure.



Pictogram:  
Signal Word: Warning  
Hazard Statement(s):  
**H302** Harmful if swallowed  
**H312** Harmful in contact with skin  
**H315** Causes skin irritation  
**H320** Causes eye irritation  
**H332** Harmful if inhaled  
Precautionary Statement(s):  
**P261** Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray  
**P280** Wear protective gloves/protective clothing/eye protection/face protection.

**P301+P312** IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
**P302+P352** IF ON SKIN: Wash with plenty of soap and water.  
**P304+P340** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
**P305+P351+P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
**P332+P313** If skin irritation occurs: Get medical advice/ attention.

### SECTION 3: COMPOSITION/INFORMATION on INGREDIENTS

<u>Chemical Name:</u>	N-Acetyl-a-D-glucosamine 99%
<u>Synonyms:</u>	2-Acetamido-2-deoxy-D-glucose, D-GlcNAc
<u>CAS Number:</u>	7512-17-6
<u>MDL Number:</u>	MFCD00064359
<u>EINECS Number:</u>	231-368-2
<u>Beilstein Registry Number:</u>	1727589
<u>Molecular Formula:</u>	C <sub>8</sub> H <sub>15</sub> NO <sub>6</sub>
<u>Molecular Weight:</u>	221.21
<u>Content:</u>	95 – 100%
<u>Notes:</u>	

### SECTION 4: FIRST AID MEASURES

<u>Eye Contact:</u>	Flush eyes with large amounts of water for fifteen minutes. Separate eyelids with fingers. If irritation persists, seek medical attention.
<u>Skin Contact:</u>	Wash skin with soap and water. If irritation persists, seek medical attention.
<u>Ingestion:</u>	Do not induce vomiting. Seek medical attention.
<u>Inhalation:</u>	Move to a fresh air environment. Contact a physician if breathing becomes difficult.

### SECTION 5: FIRE FIGHTING MEASURES

<u>Flash Point:</u>	Not Available
<u>Explosion Limits:</u>	Lower: Not Available Upper: Not Available
<u>Auto Ignition Temperature:</u>	Not Available

<u>Extinguishing Media:</u>	Carbon dioxide, dry chemical powder, alcohol-resistant foam or water spray.
<u>Protective Equipment:</u>	Wear self-contained respirator and fully protective impervious suit.
<u>Specific Hazards:</u>	May emit hazardous fumes under fire conditions.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

<u>Personal Protection:</u>	Wear a self-contained breathing apparatus, rubber boots and gloves, and disposable coveralls. Dispose of coveralls after use. Keep unprotected persons away.
<u>Environmental Protection:</u>	Keep spills out of sewers and bodies of water. Dike and contain the spill with inert material. Absorb on sand, vermiculite or diatomite. Transfer material to a container for disposal or recovery. Ventilate area and wash spill site after material pickup is complete.

## **SECTION 7: HANDLING and STORAGE**

<u>Handling:</u>	Avoid breathing dust, vapor, mist or gas. Avoid contact with skin and eyes. Avoid prolonged or repeated exposure. Use only in a chemical fume hood. Open and handle container with care. Keep ignition sources away.
<u>Storage:</u>	Store in a tightly closed container in a dry, well-ventilated place.
<u>Sensitivities:</u>	Not Available
<u>Storage Temperature:</u>	-20 °C

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

<u>Eyes:</u>	Wear appropriate protective eyeglass or chemical safety goggles. Make sure that there is an eyewash facility in your vicinity.		
<u>Skin:</u>	Wear impervious gloves and protective clothing.		
<u>Respiratory:</u>	Use a NIOSH approved respirator when exposure limits are exceeded or if irritation or other symptoms are experienced.		
<u>Exposure Limits:</u>	<u>Country</u>	<u>Source</u>	<u>Type</u>
	USA	ACGIH	TWA
	USA	OSHA	STEL
	USA	OSHA	PEL
			<u>Value</u>
			Not Available
			Not Available
			Not Available

## **SECTION 9: PHYSICAL and CHEMICAL PROPERTIES**

<u>Appearance:</u>	White to Beige Powder
<u>Odor:</u>	Not Available
<u>Melting Point:</u>	211 °C
<u>Boiling Point:</u>	Not Available
<u>Decomposition Temperature:</u>	Not Available
<u>Sublimation Temperature:</u>	Not Available
<u>pH Value:</u>	Not Available
<u>Density:</u>	Not Available
<u>Refractive Index, <math>n_D^{20}</math>:</u>	Not Available
<u>Viscosity:</u>	Not Available
<u>Solubility in Water:</u>	Not Available
<u>Vapor Pressure:</u>	Not Available
<u>Vapor Density:</u>	Not Available

## **SECTION 10: STABILITY and REACTIVITY**

<u>Stability:</u>	Stable under normal temperatures and pressures.
<u>Incompatibility:</u>	Strong oxidizing agents.
<u>Conditions to Avoid:</u>	Heat, Flame, Sparks, other ignition sources
<u>Hazardous Decomposition Products:</u>	Carbon oxides

## **SECTION 11: TOXICOLOGICAL INFORMATION**

<u>RTECS Reference:</u>	Not Available
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## **SECTION 12: ECOLOGICAL INFORMATION**

Not Available

## **SECTION 13: DISPOSAL CONSIDERATIONS**

Contact a licensed professional waste disposal service. Dispose in a manner consistent with federal, state and local environmental regulations.

## **SECTION 14: TRANSPORT INFORMATION**

DOT: Not regulated

IATA: Not regulated

IMDG: Not regulated

## **SECTION 15: REGULATORY INFORMATION**

### United States:

Toxic Substance Control Act (TSCA): Listed

Superfund Amendments and Reauthorization Act (SARA 302): Not listed

Superfund Amendments and Reauthorization Act (SARA 311/312): Not listed

Superfund Amendments and Reauthorization Act (SARA 313): Not listed

### European Union:

European Inventory of Existing Chemical Substances (EINECS): No. 231-368-2

### Canada

Canadian Domestic Substances List (DSL): Listed

Canadian Domestic Substances List (NDSL): Listed

## **SECTION 16: OTHER INFORMATION**

Date Prepared: 11/16/12 MH

The information above is presented in good faith. It is believed to be accurate and represents the best information currently available to us. However we make no warranty with respect to such information and we assume no liability resulting from its use. The user should consider this information as a supplement to other information that may be available and make independent judgment to ensure proper use to protect the health and safety of employees and the environment. Pfaltz and Bauer shall not be held liable for any damage resulting from handling or from contact with the above product.