

2



SIGMA-ALDRICH

### Material Safety Data Sheet

Date Printed: 01/28/2005  
Date Updated: 04/11/2004  
Version 1.20

#### Section 1 - Product and Company Information

Product Name: Anti-Syntaxin 3, antibody produced in rabbit, affinity isolated antibody  
 Product Number: S5547  
 Brand: Sigma Chemical

Company: Sigma-Aldrich  
 Street Address: 3050 Spruce Street  
 City, State, Zip, Country: SAINT LOUIS, MO 63103 US  
 Technical Phone: 314 771 5765  
 Fax: 800 325 5052  
 Emergency Phone: 414 273 3850 Ext. 5996

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

Substance Name	CAS #	SARA 313	EC no	Annex I Index Number
ANTI-SYNTAXIN	None	No		
Ingredient Name	CAS #	Percent	SARA 313	
ANTIBODY	None	93.975 %	No	
SUCROSE	57-50-1	5.000 %	No	
SERUM ALBUMIN	9048-46-8	1.000 %		
SODIUM AZIDE	26628-22-8	0.025 %	Yes	

Formula  
Synonyms

#### Section 3 - Hazards Identification

**Emergency Overview**  
Caution: Avoid contact and inhalation. Sodium azide may react with lead and copper plumbing to form highly explosive metal azides.

**HMIS Rating**  
Health: 0 Flammability: 0 Reactivity: 1

**NFPA Rating**  
Health: 0 Flammability: 0 Reactivity: 1

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 immediately.

**Inhalation Exposure**  
If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

**Dermal Exposure**  
In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

**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

**Explosion Hazards**  
Azide reacts with many heavy metals such as lead, copper, mercury, silver, gold to form explosive compounds. Copper and lead azides are more sensitive than nitroglycerine. Azide reacts with metal halides to give a range of metal azide halides, many of which are explosive. Incompatible with chromyl chloride, hydrazine, bromine, carbon disulfide, dimethyl sulfate, dibromomalonitrile.

**Autoignition Temp:** 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)**  
Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

**Methods for Cleaning Up**  
Spilled material should be carefully wiped up or moistened with water and removed. 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 -20°C

#### Section 8 - Exposure Controls / PPE

**Engineering Controls**  
Safety shower and eye bath. Mechanical exhaust required.

**Personal Protective Equipment**  
**Respiratory**  
Government approved respirator.  
**Hand**  
Compatible chemical-resistant gloves.  
**Eye**  
Chemical safety goggles.

RECEIVED  
FEB 07 2005  
Safety and Environmental  
Health

**General Hygiene Measures**

Wash thoroughly after handling. Wash contaminated clothing before reuse.

**Section 9 - Physical/Chemical Properties****Appearance**

Physical State  
Solid

Molecular Weight: N/A

pH N/A

BP/BP Range N/A

MP/MP Range N/A

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

Partition Coefficient N/A

Decomposition Temp. N/A

Flash Point °F N/A

Flash Point °C N/A

Explosion Limits N/A

Flammability N/A

Autoignition Temp N/A

Solubility N/A

N/A = not available

**Section 10 - Stability and Reactivity****Stability**

Stable

Stable

**Materials to Avoid**

Dimethyl sulfate is incompatible with sodium azide, Acid chlorides, Halogenated solvents, Avoid contact with metals., Avoid contact with acid., Sodium azide may react with lead and copper plumbing to form highly explosive metal azides.

**Hazardous Decomposition Products****Hazardous Decomposition Products**

Nature of decomposition products not known.

**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**

Many azides cause a fall in blood pressure and some inhibit enzyme action. Laboratory experiments in animals have shown sodium azide to produce a profound hypotensive effect, demyelination of myelinated nerve fibers in the central nervous system, testicular damage, blindness, attacks of rigidity, and hepatic and cerebral effects. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

RTECS Number: N/A

**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****US Classification and Label Text****US Statements**

Caution: Avoid contact and inhalation. Sodium azide may react with lead and copper plumbing to form highly explosive metal azides.

**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.