



SIGMA-ALDRICH

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AUG 17 2010  
Safety & Environmental  
Health

Material Safety Data Sheet

Date Printed: 07/27/2010  
Date Updated: 10/26/2009  
Version 1.0

Section 1 - Product and Company Information

Product Name: Anti-GFAP, antibody produced in goat  
Product Number: SAB2500462  
Brand: Sigma Chemical  
Company: Sigma-Aldrich  
Address: 3050 Spruce Street  
City, State, Zip, Country: SAINT LOUIS, MO 63103 US  
Technical Phone: 800-325-5832  
Fax: 800-325-5052  
Emergency Phone: 314-776-6555

Section 2 - Composition/Information on Ingredient

Table with 5 columns: Substance Name, CAS#, SARA 313, EC no, Annex I Index Number. Row: ANTI-VMAT2/SLC18A2 ANTIBODY PRODUCED IN GOAT, None, No.

Table with 4 columns: Ingredient Name, CAS#, Percent, SARA 313. Rows: SODIUM AZIDE (0.020%), ALBUMIN FROM BOVINE SERUM ANTIBODY (0.500%), TRIS BUFFERED SALINE, PH 8.0 (99.430%).

Formula  
Synonyms

Section 3 - Hazards Identification

Emergency Overview  
Irritant.  
Irritating to eyes, respiratory system and skin.

HMIS Rating  
Health: 2 Flammability: 0 Reactivity: 0

NFPA Rating  
Health: 2 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 not breathing give artificial respiration. If breathing is difficult, give oxygen.

Dermal Exposure  
In case of contact, immediately wash skin with soap and copious amounts of water.

Eye Exposure  
In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

Section 5 - Fire Fighting Measures

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  
Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

Section 7 - Handling and Storage

Handling  
User Exposure  
Do not breathe vapor. 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  
Mechanical exhaust required. Safety shower and eye bath.  
Personal Protective Equipment  
Respiratory  
Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a fullface respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a fullface supplied air respirator.  
Hand  
Compatible chemical-resistant gloves.  
Eye  
Chemical safety goggles.

**General Hygiene Measures**  
Wash thoroughly after handling.

## Section 9 - Physical/Chemical Properties

### Appearance

**Physical State**  
Liquid

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**

Strong oxidizing agents

### Hazardous Polymerization

**Hazardous Polymerization**

Will not occur.

## Section 11 - Toxicological Information

### Route of Exposure

**Skin Contact**

Causes skin irritation.

**Skin Absorption**

May be harmful if absorbed through the skin.

**Eye Contact**

Causes eye irritation.

### Inhalation

Material is 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.

**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 nonhazardous for transport.

### IATA

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

## Section 15 - Regulatory Information

### EU Additional Classification

**Symbol of Danger:** Xi

**Indication of Danger**

Irritant.

**Risk Statements** R: 36/37/38

Irritating to eyes, respiratory system and skin.

**Safety Statements** S: 26 36

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

### US Classification and Label Text

**Indication of Danger**

Irritant.

**Risk Statements**

Irritating to eyes, respiratory system and skin.

**Safety Statements**

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

### 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:** Yes

**NDSL:** No

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**Section 16 - Other Information**

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**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. SigmaAldrich Inc., shall not be held liable for any damage resulting from handling or contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. Copyright 2010 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.

