

# Material Safety Data Sheet

Version GHS 5.1  
Revision date : 1/22/2016

## 1 . PRODUCT & COMPANY IDENTIFICATION

**Product Name** : Flag Tag Antibody  
**Product Cat No** : Ab1001  
**CAS No** : N/A  
**Manufacturer/Supplier** : GenDEPOT LLC  
PO Box 454  
Barker, Tx 77413  
Emergency Phone : 866.417.0078  
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## 2 . HAZARD IDENTIFICATION

### GHS Classification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

No hazards are expected from using this product.

This product is not regulated under the United Nations Globally Harmonized System for the Classification and Labeling of Hazardous Chemicals (GHS) 2006 version; European Directive 67/648/EEC; and U.S OSHA 29 CFR 1910.1200 Hazard Communication Standard. Although a (M)SDS is not required, this document is offered as a service to customers who handle or might come in contact with this product and would like guidance.

### GHS Label elements, including precautionary statements

Pictogram : none

Signal word : Not a hazardous substance or mixture

Hazard statement(s) : none

Precautionary statement(s) : none

## 3 . COMPOSITION/INFORMATION ON INGREDIENT

Synonyms : N/A, Mixtures

### Hazardous Components

Component	Classification	Concentration
Glycerol		
CAS No	56-81-5	30-60%
EC No	200-289-5	

## 4 . FIRST AID MEASURES

**General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**Inhalation:** If breathed in, move person into fresh air.  
If not breathing, give artificial respiration. Consult a physician.

**In case of skin contact:** Wash off with soap and plenty of water.  
Consult a physician.

**In case of eye contact :** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**If swallowed :** Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician

## 5 . FIREFIGHTING MEASURES

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

**Special protective equipment for firefighters:** Wear self contained breathing apparatus for fire fighting if necessary.

**Hazardous combustion products:** Carbon oxides, nitrogen oxides (NOx)

**Further information:** Use water spray to cool unopened containers.

**Hazards not other classified (HNOC) or not covered by GHS**

Possible sensitizer

## 6 . ACCIDENTAL RELEASE MEASURES

**Personal precaution:** Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

**Environmental precaution:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

**Methods and materials for contaminant and cleaning up:** Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.

## 7 . HANDLING AND STORAGE

**Precaution for safe handling:** Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

**Condition for safe storage:** Keep container tightly closed in a dry and well-ventilated place.

**Recommended storage temperature:**  
Store between the following temperatures: 0 to -25°C

## 8 . EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

**Component :** Glycerol, CAS 56-81-5

Value	Control parameter	Basis
TWA	10.000000 mg/mg <sup>3</sup>	USA. ACGIH Threshold Limit Values (TLV)
Upper Respiratory Tract		irritation
TWA	15.000000 mg/m <sup>3</sup>	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
TWA	5.000000 mg/m <sup>3</sup>	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
Substances with No		Established RELs
TWA	5.000000 mg/m <sup>3</sup>	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
TWA	15.000000 mg/m <sup>3</sup>	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants

**Appropriate engineering controls :** Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Environmental exposure controls :** Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Personal protective equipment: .

**Respiratory protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face 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 full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand 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.

**Eye protection:** Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin and body protection:** Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Complete suit protecting against chemicals.

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## 9 . PHYSICAL AND CHEMICAL PROPERTIES

### Appearance:

Form	liquid
Color	Transparent

### Safety data:

pH	7.0-7.6
Melting point	no data available
Freezing point	no data available
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Auto-ignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapor pressure	no data available
Density	no data available
Water solubility	soluble in water
Partition coefficient: n-octanol/water	no data available
Relative vapor density	no date available
Odor	Odorless
Odor threshold	no data available
Evaporation rate	no data available

## 10 . STABILITY AND REACTIVITY

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

no data available.

### Condition to avoid

No data available.

### Materials to avoid

No data available.

### Hazardous decomposition products

No data available

## 11 . TOXICOLOGICAL INFORMATON

### Acute Toxicity

#### Oral LD50

No data available

#### Inhalation

No data available

#### Dermal LD50

No data available

#### Other information on acute toxicity

no data available

### Skin corrosion/irritation

No data available

### Serious eye damage/eye irritation

No data available

### Respiratory or skin sensitization

Information given is based on data obtained from similar substances.

### Mutagenicity (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.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

### Reproductive toxicity

No data available

### Teratogenicity

No data available

### Specific target organ toxicity— single exposure (GHS)

no data available

### Specific target organ toxicity— repeated exposure (GHS)

no data available

### Aspiration hazard

no data available

### Potential health effects

<b>Inhalation</b>	May be harmful if inhaled. Causes respiratory tract irritation.
<b>Ingestion</b>	May be harmful if swallowed.
<b>Skin</b>	May be harmful if absorbed through skin. Causes skin irritation.
<b>Eyes</b>	Causes eye irritation

#### Aggravated Medical Condition

Avoid contact with sodium dodecyl sulfate solutions containing toxic materials or materials with unknown toxicological properties. Sodium dodecyl sulfate is readily absorbed through skin and may carry such materials into the body.

### Additional information

RTECS : MB7600000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated

## 12 . ECOLOGICAL INFORMATION

### Toxicity

No data available

### Persistence and degradability

No data available

### Bioaccumulative potential

No data available

### Mobility in soil

no data available

### PBT and vPvB assessment

no data available

### Other adverse effect

No data available

## 13 . DISPOSAL CONSIDERATIONS

### Disposal methods

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company.  
Contact a licensed professional waste disposal service to dispose of this material.

**14 . TRANSPORT INFORMATION****DOT(US)**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

**15 . REGULATORY INFORMATION****United States**

HCS Classification : not listed

United States Inventory (TSCA 8b) : not determined

SARA 302 Components : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 : Chronic Health Hazard

**States Regulation**

Massachusetts : Glycerol, CAS No 56-81-8

New York : Glycerol, CAS No 56-81-8

New Jersey : Glycerol, CAS No 56-81-8

Pennsylvania : Glycerol, CAS No 56-81-8  
Water, CAS No 7732-18-8  
Antibody

California Prop. 65 Components :

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**International Regulation**

Australia (AICS) : This material is listed or exempted.

China Inventory (IECSC) : This material is listed or exempted.

Japan Inventory : This material is listed or exempted.

Korea Inventory : This material is listed or exempted.

New Zealand Inventory of Chemicals (NZIoC):  
This material is listed or exempted.

Philippines Inventory (PICCS) : This material is listed or exempted.

Malaysia Inventory (EHS Register): Not determined.

Taiwan inventory (CSNN): Not determined.

**16 . OTHER INFORMATION****HMS Rating:**

Health hazard : 0

Chronic Health Hazard : \*

Flammability : 0

Physical hazards: 0

**NFPA Rating:**

Health Hazard: 0

Fire: 0

Reactivity Hazard: 0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

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This solution is sold only in microliter quantities for use in life sciences research. No other use is intended. And any other use may involve substantive hazards.

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When the revision of this MSDS is received, please dispose of the old one.

Department issuing MSDS:  
GenDEPOT LLC  
Safety Department