



SECTION 1: Identification of the substance or mixture and of the supplier

GHS Product Identifier	Goat Anti-Human IgG Fc, Multi-Species SP ads-UNLB
Other means of identification	N/A
Product type	Liquid
Product code	2014-01
Chemical formula	Not applicable
CAS No	Not applicable
SDS No.	2233359
Relevant Identified uses of the substance or mixture and uses advised against	Not applicable
Supplier's details	Southern Biotechnology Associates, Inc. 160 Oxmoor Boulevard Birmingham, Alabama 35209 USA Tel: (205) 945-1774 Fax: (205) 945-8768 Website: www.southernbiotech.com
Distributor and Emergency Phone No.	Refer to website for distributor and emergency phone numbers. Tel: (205) 945-1774

SECTION 2: Hazards identification

Classification of the substance or mixture

GHS-US classification

Not a hazardous substance or mixture

Label elements

GHS-US labeling

Hazard pictograms (GHS-US)

Not a hazardous substance or mixture

Other hazards none

Unknown acute toxicity (GHS US) No data available

Full text of H-phrases: see section 16

SECTION 3: Composition/information on ingredients

Substance/Mixture	Mixture
Other Means of Identification	Not available
CAS Number/other identifiers	
CAS Number	Not applicable

Ingredient Name	Product Identifier	Percentage
Boric Acid	(CAS No.) 10043-35-3 / [EINECS(EC#)] 201-191-5	0.6185%
Sodium Tetraborate	(CAS No.) 1303-96-4 / [EINECS(EC#)] 215-540-4	0.9540%
Sodium Chloride	(CAS No.) 7647-14-5 / [EINECS(EC#)] 231-598-3	0.4385%

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within

SECTION 4: First aid measures

Description of first aid measures

First-aid measures general

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

First-aid measures after eye contact

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Consult a physician.

First-aid measures after inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Consult a physician.

First-aid measures after skin contact

Flush contaminated skin with plenty of water and soap. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

First-aid measures after ingestion

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention. If necessary, call a poison center.

Most important symptoms and effects, acute and delayed

Potential acute health effects

Eye contact

No known significant effects or critical hazards

Inhalation

No known significant effects or critical hazards

Skin contact

No known significant effects or critical hazards

Ingestion

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Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode

SECTION 6: Accidental release measures**Personal precautions, protective equipment and emergency procedures**

General measures: This product contains a material of biological origin. Use universal precautions during clean up procedures. Avoid breathing (vapor, mist). Use only in a well-ventilated area. Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment, see section 8.

For non-emergency personnel

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and material for containment and cleaning up

Small spill: As a precautionary measure, treat spilled material with a 1:10 bleach/water solution. Stop leak if without risk. Move containers from spill area. Absorb with an inert dry material and place in an appropriate waste disposal container. Comply with applicable waste disposal regulations.

Large spill: As a precautionary measure, treat spilled material with a 1:10 bleach/water solution. Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see

Control parameters

Component	CAS-No.	Value	Control parameters	Basis
Sodium Tetraborate	1303-96-4	TWA	5 mg/m ³	USA. NIOSH
			10 mg/m ³	MAC (NL)
			10 mg/m ³	TLV (US)

Exposure controls

Appropriate engineering controls

Good general ventilation should be sufficient to control worker exposure to airborne contaminants. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the workday.

Environmental exposure controls

Do not let product enter drains.

Personal protective equipment

Protective goggles, gloves



Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection

Impervious clothing. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection

Appropriate footwear and any additional skin protection measures should be selected based on the task being

Physical state	: Liquid
Color	: Clear
Odor	: Not available
Odor threshold	: Not available
pH	: ~8.2
Melting point	: Not available
Boiling point	: Not available
Flash Point	: Not available
Burning time	: Not applicable
Burning rate	: Not applicable
Evaporation rate	: Not available
Flammability (solid, gas)	: Not available
Lower and upper explosive (flammable) limits	: Not available
Vapor pressure	: Not available
Vapor density	: Not available
Relative density	: Not available
Solubility	: Soluble in the following materials: cold water and hot water.
Partition coefficient n-octanol/water	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
SADT	: Not available
Viscosity	: Not available
Other information	
No additional information available	

SECTION 10: Stability and reactivity

Reactivity	No specific test data related to reactivity available for this product or its ingredients. This material is hygroscopic.
Chemical Stability	The product is stable under recommended storage conditions.
Possibility Of Hazardous Reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions To Avoid	No specific data
Incompatible Materials	Zirconium, strong acids, metallic salts
Hazardous Decomposition Products	No specific data

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity	No data available
Conclusion/Summary:	To the best of our knowledge, the toxicological properties of this product have not been thoroughly investigated.
Skin corrosion/irritation:	No data available
Serious eye damage/irritation:	No data available
Respiratory or skin sensitization:	No data available
Germ cell mutagenicity:	No data available
Carcinogenicity:	
IARC:	No component

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: Boric acid (CAS# 10043-35-3) has been identified in 1272/2008/EC as a category 2 Reproductive toxin. This product contains Boric acid at below the hazard concentration limit (<5.5%).
Sodium Tetraborate (CAS# 1303-96-4) has been identified in 1272/2008/EC as a category 2 Reproductive toxin. This product contains Sodium Tetraborate at below the hazard concentration limit (<8.5%).

Teratogenicity: No data available

Specific target organ toxicity (single exposure): No data available

Specific target organ toxicity (repeated exposure): No data available

Aspiration hazard: No data available

Information on the likely routes of exposure: Routes of entry anticipated: Oral, Dermal, and Inhalation.

Potential acute health effects

Eye contact: No known significant effects or critical hazards

Inhalation: No known significant effects or critical hazards.

Skin contact: No known significant effects or critical hazards.

Ingestion: Harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact: No specific data

Inhalation: No specific data

SECTION 12: Ecological information

Toxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Other adverse effects	No data available

SECTION 13: Disposal considerations

Disposal methods

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	DOT Classification	IATA
UN number	Not regulated	Not regulated
UN proper	-	-
Transport hazard class(es)	-	-
Packing group	-	-
Environmental hazards	No	No
Additional information	-	-

Special precautions for user: Transport within users premises always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

SECTION 15: Regulatory information

U.S. Federal regulations

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)
 Clean Air Act Section 602 Class I Substances
 Clean Air Act Section 602 Class II Substances
 DEA

SARA 313 Components

SARA 313: 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

State regulations**New York**

Sodium Tetraborate 1303-96-4

Pennsylvania

Sodium Tetraborate 1303-96-4

Minnesota

Sodium Tetraborate 1303-96-4

Rhode Island

Sodium Tetraborate 1303-96-4

Canada inventory All components are listed or exempted.

International regulations**International lists**

Australia inventory (AICS): All components are listed or exempted.

China inventory (IECSC): All components are listed or exempted.

Japan inventory: All components are listed or exempted.

Korea inventory: All components are listed or exempted.

Malaysia Inventory (EHS Register): Not determined.

New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted.

Philippines inventory (PICCS): All components are listed or exempted.

Taiwan inventory (CSNN): All components are listed or exempted.