

SAFETY DATA SHEET

1. IDENTIFICATION

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|----------------------------|---|
| 1.1. Product Name | Stemgent® TRA-1-81 Antibody (Purified), Mouse anti-Human |
| 1.2. Catalog Number | 09-0011 |
| 1.3. Uses and restrictions | For research use only. Not for use in diagnostic or therapeutic applications. |
| 1.4. Manufacturer/Supplier | Stemgent, Inc.
4 Hartwell Place
Lexington, MA 02421 USA
(617) 245-0000 |
| 1.5. In Case of Emergency | <ul style="list-style-type: none"> • For medical emergencies, contact your local emergency center. • For transportation emergencies, contact your local transportation authorities. • For other non-medical or non-environmental emergencies please call (617) 245-0030, 8:00 am-4:00 pm EST, Monday – Friday. |

2. HAZARDS IDENTIFICATION

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| 2.1. Classification | According to 29 CFR 1910.1200(d), hazardous ingredients at less than 1% and carcinogens at less than 0.1% are considered non hazardous. |
| 2.2. Signal Word | Not applicable. |
| 2.3. Symbol | Not applicable. |
| 2.4. Hazard Statement(s) | Not applicable. |
| 2.5. Precautionary Statement(s) | Not applicable. |
| 2.6. Hazards not otherwise classified (HNOC) or not covered by GHS | None. |

3. COMPOSITION/INFORMATION ON INGREDIENTS

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| 3.1. Chemical Name | Stemgent TRA-1-81 Antibody (Purified), Mouse anti-Human |
| 3.2. Synonyms | Transcription associated protein-1-81 Antibody, Mouse anti-Human |
| 3.3. Chemical Formula | Not available. |
| 3.4. Molecular Weight | Not available. |
| 3.5. CAS Number | Not available. |

HAZARDOUS COMPONENTS WITHIN MIXTURE

Component	CAS-No./EC-No.	Classification	Concentration
Sodium azide	CAS-No: 26628-22-8 EC-No: 247-852-1	Acute Tox. (O) 2: H300 Aquatic (A): 1:H400 Aquatic (C): 1:410	0.09%



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4. FIRST AID MEASURES

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| <p>4.1. First Aid Instructions</p> <ul style="list-style-type: none"> • General Advice • Eyes • Skin • Ingestion • Inhalation • Puncture Wounds <p>4.2. Most Important Symptoms/effects, acute and immediate</p> <p>4.3. Indications of immediate medical attention and special treatment needed</p> | <p>Move out of exposure area. Consult a physician.</p> <p>Check for and remove contact lenses immediately and flush thoroughly with water for at least 15 minutes. Call a physician.</p> <p>Immediately flush skin with copious amounts of water. Remove contaminated clothing and shoes and wash before use. Contact a physician.</p> <p>If swallowed, wash mouth out with water provided person is conscious. Do not induce vomiting. Loosen tight clothing. Contact a physician.</p> <p>If inhaled, remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, call a physician.</p> <p>Wash thoroughly with soap and water. Allow wound to bleed freely. Contact a physician.</p> <p>Described in section 2.</p> <p>No data available.</p> |
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5. FIRE FIGHTING MEASURES

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| <p>5.1. Suitable extinguishing media.</p> <p>5.2. Specific hazards arising from the chemical</p> <p>5.3. Special protective equipment and precautions for fire-fighters</p> | <p>Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.</p> <p>No data available.</p> <p>Wear self contained breathing apparatus and full turnout gear for firefighting if necessary.</p> |
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6. ACCIDENTAL RELEASE MEASURES

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| <p>6.1. Personal precautions, protective equipment, and emergency procedures</p> <p>6.2. Environmental Precautions</p> <p>6.3. Methods and materials for containment and clean up</p> | <p>Use personal protective equipment (see section 8). Avoid breathing vapors, mist, or gas.</p> <p>Do not let product enter drain.</p> <p>Keep in suitable, closed containers for disposal. Use absorbent, non-reactive material to contain liquid spill. Dispose of absorbent material used to clean spills in accordance with federal, state, and local environmental control regulations.</p> |
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7. HANDLING AND STORAGE

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|---|--|
| 7.1. Precautions for safe handling | <ul style="list-style-type: none"> • Avoid inhalation, contact with eyes, skin, and clothing. • Avoid prolonged or repeated exposure. • Keep in well-ventilated area. • For other precautions see section 2.5. |
| 7.2. Conditions for safe storage, including any incompatibilities | Store at 4°C. Keep container tightly closed, in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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| 8.1. Control Parameters | <p>Sodium azide, CAS-No:26628-22-8</p> <ul style="list-style-type: none"> • Potential for dermal absorption <p>Sodium azide Exposure Levels</p> <ul style="list-style-type: none"> • Ceiling Limit: 0.3 mg/m³ – USA. NIOSH Recommended Exposure Limits • 0.29 mg/m³ - USA. ACGIH Threshold Limit Value (TLV) |
| 8.2. Appropriate engineering controls | Safety shower and eye bath. Mechanical exhaust required. |
| 8.3. Protection measures and Personal Protective Equipment | Handle in accordance with good industrial hygiene and safety practices. Wash thoroughly after handling. |
| <ul style="list-style-type: none"> • Respiratory Protection | Respiratory protection is not required. Where protection from nuisance exposure is desired use type OV/AG (US) or type ABEK (EU EN 14387) respiratory cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). |
| <ul style="list-style-type: none"> • Eye Protection | Chemical safety goggles. |
| <ul style="list-style-type: none"> • Skin Protection | Protective gloves and lab coat. |

9. PHYSICAL/CHEMICAL PROPERTIES

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| 9.1. Appearance | Liquid. |
| 9.2. Odor | No data available. |
| 9.3. Odor Threshold | No data available. |
| 9.4. pH | 7.2 |
| 9.5. Melting point/freezing point | No data available. |
| 9.6. Initial boiling point and boiling range | No data available. |
| 9.7. Flash point | No data available. |
| 9.8. Evaporation rate | No data available. |
| 9.9. Flammability (solid, gas); | No data available. |
| 9.10. Upper/lower flammability or explosive limits | No data available. |
| 9.11. Vapor pressure | No data available. |



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9.12. Vapor density	No data available.
9.13. Relative density	No data available.
9.14. Solubility(ies)	No data available.
9.15. Partition coefficient: n-octanol/water	No data available.
9.16. Auto-ignition temperature	No data available.
9.17. Decomposition temperature	No data available.
9.18. Viscosity	No data available.
9.19. Explosive properties	No data available.
9.20. Oxidizing properties	No data available.

10. STABILITY/REACTIVITY

10.1. Reactivity	No data available.
10.2. Chemical Stability	This product is stable.
10.3. Possibility of hazardous reactions	No data available.
10.4. Conditions to Avoid	No data available.
10.5. Incompatible materials	Strong oxidizing agents.
10.6. Hazardous decomposition products	No data available.

11. TOXICOLOGICAL INFORMATION

11.1. Toxicological effects	No data available.
<ul style="list-style-type: none"> • Acute toxicity • Skin corrosion/irritation • Serious eye damage/eye irritation • Respiratory or skin sensitization • Germ cell mutagenicity • Carcinogenicity 	<ul style="list-style-type: none"> • No data available. • No data available. • No data available. • No data available. • No data available. • IARC: No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen. • ACGIH: No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen. • NTP: No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen. • OSHA: No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
<ul style="list-style-type: none"> • Reproductive Toxicity 	No data available.



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- Specific target organ toxicity - single exposure No data available.
- Specific target organ toxicity - repeated exposure No data available.
- Aspiration hazard No data available.
- 11.2. Symptoms related to the physical, chemical and toxicological characteristics No data available.
- 11.3. Effects of Short-Term Exposure No data available.
- 11.4. Effects of Long-Term Exposure No data available.
- 11.5. Numerical measures of toxicity No data available.
- 11.6. Other Information Liver – Irregularities – Based on Human Evidence (Sodium azide).

12. ECOLOGICAL INFORMATION

- 12.1. Toxicity No data available.
- 12.2. Persistence and degradability No data available.
- 12.3. Bioaccumulative potential No data available.
- 12.4. Mobility in soil No data available.
- 12.5. Results of PBT and vPvB assessment No data available.
- 12.6. Other adverse effects No data available.

13. DISPOSAL CONSIDERATIONS

- 13.1. Disposal Method Waste must be disposed of in accordance with federal, state, and local environmental control regulations.
- 13.2. Personal safety Refer to section 8.

14. TRANSPORT INFORMATION

This product is considered non-hazardous for transport.

15. REGULATORY INFORMATION

U.S. Federal Regulations

- SARA 313 components This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels.
- SARA 302 components The following components are subject to reporting levels established by SARA Title III, Section 302:
Sodium azide, CAS No. 26628-22-8, Revision Date: 2007-07-01



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<ul style="list-style-type: none"> • SARA 311/312 Hazards • Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see CFR 61) 	<p>Not hazardous. Does not contain any components subject to reporting.</p>
<p>U.S. State Regulations</p> <ul style="list-style-type: none"> • California Proposition 65 • Massachusetts Right To Know Components • Pennsylvania Right To Know Components • New Jersey Right To Know Components 	<p>Does not contain any components subject to reporting. Sodium azide, CAS No. 26628-22-8, Revision Date: 2007-07-01 Disodium hydrogen orthophosphate, CAS No. 7558-79-4, Revision Date: 2007-03-01 Sodium azide, CAS No. 26628-22-8, Revision Date: 2007-07-01 Disodium hydrogen orthophosphate, CAS No. 7558-79-4, Revision Date: 2007-03-01 Sodium azide, CAS No. 26628-22-8, Revision Date: 2007-07-01</p>
<p>WHMIS Hazard Class</p>	<p>Not controlled under WHMIS (Canada).</p>

16. OTHER INFORMATION

Notice

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. Stemgent, Inc. shall not be held liable for any damage resulting from handling or from contact with the product. See Stemgent, Inc. website for terms and conditions of sale.

Preparation Date	February 23 rd , 2016
Version No.	1.2
Prepared by	Quality Control

END OF SAFETY DATA SHEET



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