SAFETY DATA SHEET

1. IDENTIFICATION

1.1. Product Name	Oct4 Antibody (Affinity Purified), Rabbit anti-Mouse/Human
1.2. Catalog Number	09-0023
1.3. Uses and restrictions	For research use only. Not for use in diagnostic or therapeutic applications.
1.4. Manufacturer/Supplier	amsbio LLC 1035, Cambridge Street Suite 16 B, Cambridge, MA 02141. +1 (617) 945 5033
1.5. In Case of Emergency	• 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

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

3.1. Chemical Name	Oct4 Antibody (Affinity Purified), Rabbit anti-Mouse/Human
3.2. Synonyms	Octamer-4 Antibody, Rabbit anti-Mouse/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	0.02%

4. FIRST AID MEASURES

4.1. First Aid Instructions

• General Advice	Move out of exposure area. Consult a physician.
• Eyes	Check for and remove contact lenses immediately and flush thoroughly with water for at least 15 minutes. Call a physician.
• Skin	Immediately flush skin with copious amounts of water. Remove contaminated clothing and shoes and wash before use. Contact a physician.
• Ingestion	If swallowed, wash mouth out with water provided person is conscious. Do not induce vomiting. Loosen tight clothing. Contact a physician.
• Inhalation	If inhaled, remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, call a physician.
• Puncture Wounds	Wash thoroughly with soap and water. Allow wound to bleed freely. Contact a physician.
4.2. Most Important Symptoms/effects, acute and immediate	Described in section 2.
4.3. Indications of immediate medical attention and special treatment needed	No data available.

5. FIRE FIGHTING MEASURES

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

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment, and emergency procedures	Use personal protective equipment (see section 8). Avoid breathing vapors, mist, or gas.
6.2. Environmental Precautions	Do not let product enter drain.
6.3. Methods and materials for containment and clean up	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.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling	• 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

8.1. Control Parameters	Sodium azide, CAS-No:26628-22-8 • Potential for dermal absorption Sodium azide Exposure Levels • Ceiling Limit: 0.3 mg/m^3 – USA. NIOSH Recommended Exposure Limits • 0.29 mg/m^3 - 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.
• 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).
• Eye Protection	Chemical safety goggles.
• Skin Protection	Protective gloves and lab coat.

9. PHYSICAL/CHEMICAL PROPERTIES

9.1. Appearance	Liquid.
9.2. Odor	No data available.
9.3. Odor Threshold	No data available.
9.4. pH	7.4
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.

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.
• Acute toxicity	No data available.
• Skin corrosion/irritation	No data available.
• Serious eye damage/eye irritation	No data available.
• Respiratory or skin sensitization	No data available.
• Germ cell mutagenicity	No data available.
• Carcinogenicity	• 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.
• Reproductive Toxicity	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.
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

• SARA 311/312 Hazards	Not hazardous.
• Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see CFR 61)	Does not contain any components subject to reporting.
U.S. State Regulations	
• California Proposition 65	Does not contain any components subject to reporting.
• Massachusetts Right To Know Components	Sodium azide, CAS No. 26628-22-8, Revision Date: 2007-07-01
• Pennsylvania Right To Know Components	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
• New Jersey Right To Know Components	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
WHMIS Hazard Class	Not controlled under WHMIS (Canada).

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. amsbio LLC shall not be held liable for any damage resulting from handling or from contact with the product. See amsbio LLC website for terms and conditions of sale.
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Prepared by	Quality Control

END OF SAFETY DATA SHEET