

SAFETY DATA SHEET

Recombinant human Activin A



This information is provided as a service to our customers and is intended only for their use.

*This information is based on technical information believed to be reliable and will be revised
as new knowledge or experience is gained.*

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Recombinant human Activin A
Product Code: Not Available
Application of the substance / the preparation: For Research Use Only
Product Description: Solution

MANUFACTURER

Company Name: AJINOMOTO CO., INC.
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2. HAZARDS IDENTIFICATION

GHS classification: Does not meet the classification criteria of the EC Directives 67/548/EEC
1999/45/EC or 1272/2008
GHS labeling: Does not need to be labeled in accordance with EC directives or respective national
laws.
Special Hazards: None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Content (%)	CAS No.
Activin A	0.01	725748-11-8
Sodium acetate	0.18	127-09-3
Acetic acid	0.18	64-19-7
Water	99.6	7732-18-5

4. FIRST-AID MEASURES

Inhalation: If breathed in, move person into fresh air. If not breathing give artificial respiration. Consult a physician.
Eye contact: Rinse thoroughly with plenty of water for at least 15 minutes. Consult a physician.
Skin contact: Wash off with soap and plenty of water for at least 15 minutes. Consult a physician.
Ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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Protection to first-aiders: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

5. FIRE-FIGHTING MEASURES

Classification of substance or mixture: The product is non-flammable.

Extinguishing media: Use carbon dioxide, dry chemical powder, appropriate foam or water spray.

Protective equipment: Wear suitable protective clothing to prevent contact with skin and eyes and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use eye protection, gloves, and apron. Implement appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

Land spill: Use personal protective equipment. Wash spill site with water after material pickup is complete. Keep in suitable, closed containers for disposal.

Water spill: Do not let product enter drains.

7. HANDLING AND STORAGE

Handling: Avoid inhalation. Avoid contact with eyes, skin, and clothing.

Storage: Keep tightly closed. Store at -80°C until use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters: Contains no substances with occupational exposure limit values.

Engineering controls: Ensure adequate ventilation. Use appropriate personal protective work clothing.

Personal Protection:

Respiratory Protection: NIOSH or MSHA-approved respirator. Mechanical exhaust is required.

Hand Protection: Handle with chemical-resistant gloves.

Eye Protection: Put on safety glasses.

Skin Protection: Choose body protection according to the amount and concentration of the dangerous substance at the work place.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Solution.

Odour: Not Available.

Odour threshold: Not Available.

pH: Around pH4.6 (dissolved in 50 mM sodium acetate buffer).

Boiling Point/Boiling Range: Not Available.

Melting Point/Melting Range: Not Available.

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Decomposition Temperature: Not Available
Flash Point: Not Available
Autoignition Temperature: Not Available
Flammability: Not Available
Vapor Pressure: Not Available
Vapor Density: Not Available
Relative Density: Not Available
Vapor Density: Not Available
Evaporation Rate: Undetermined
Explosive Properties: Not Available
Oxidizing Properties: Not Available
Partition Coefficient (n-octanol/water): Not Available.
Viscosity: Not Available

10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage and handling temperatures.
Possible hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.
Condition to be avoided: Heat and moisture.
Incompatible materials: Strong acids/alkalis, strong oxidizing/reducing agents.
Hazardous decomposition products: Carbon monoxide/carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: Not Available.
Eye irritation: Not Available.
Skin irritation: Not Available.
Sensitization: Not Available.
Mutagenicity: Not Available.
Carcinogenicity: Not Available.
Reproductive developmental toxicity: Not Available.
Specific target organ systemic toxicity:
 Single exposure: Not Available.
 Repeated exposure: Not Available.
Aspiration hazard: Not Available.

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12. ECOLOGICAL INFORMATION

Ecotoxicity: Not Available
Persistence and biodegradability: Not Available
Bioaccumulative potential: Not Available
Mobility in the soil: Not Available
Hazardous to the ozone layer: Not Available

13. DISPOSAL CONSIDERATION

Disposal methods: Dispose of waste in accordance to applicable national, regional, or local regulations.

14. TRANSPORT INFORMATION

DOT Hazard class: Non-hazardous for transport
IATA Hazard class: Non-hazardous for transport.
IMDG Hazard class: Non-hazardous for transport.

15. REAGULATORY INFORMATION

CERCLA Sections 102a/103 Hazardous Substances (40 CFR 117,302): Not applicable

SARA TITLE III: Not applicable

Section 302 (40 CFR 355)

Sections 311/312 (40 CFR 370)

Section 313 (40 CFR 372)

US Inventory/TSCA (Toxic Substances Control Act): Not listed on inventory

OSHA Hazard Communication Standard: Non-hazardous

Please refer to any other federal, state and local regulations.

16. OTHER INFORMATION

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