

MATERIAL SAFETY DATA SHEET

Aminogen

SECTION 1. IDENTIFICATION OF THE SUBSTANCE

Trade name: Aminogen

Form: Liquid

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

Contains:

Substance	Conc.
Amino Acids	4%
Calcium	13%
Nitrogen	12%
Boron	0.02%

SECTION 3. HAZARDS IDENTIFICATION

No dangerous.

CARCINOGENIC EFFECTS: Not carcinogenic

MUTAGENIC EFFECTS: No mutagenic

TERATOGENIC EFFECTS: No teratogenic

DEVELOPMENTAL TOXICITY: No effect

SECTION 4. FIRST AID MEASURES

In case of inhalation : No dangerous

In case of skin contact : Wash with water.

In case of eye contact : Wash with water.

In case ingestion : Drink water

SECTION 5.FIRE FIGHTING MEASURES

Protection against fire and explosion: No special requirement.

Exinction methods: Water or any other.

Excluded extinction Methods: None.

SECTION 6.ACIDENTAL RELEASE MEASURES

Small Spill:

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

SECTION 7.HANDLING AND STORAGE

Precautions:

1. Keep away from heat.
2. Keep away from sources of ignition.
3. Empty containers pose a fire risk; evaporate the residue under a fume hood.
4. Do not ingest.
5. Avoid contact with eyes
6. In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label.

Storage:

1. Keep container dry.
2. Keep in a cool place.
3. Ground all equipment containing material.
4. Keep container tightly closed.
5. Keep in a cool, well-ventilated place.
6. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

SECTION 8.EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: gloves.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Boots. Gloves.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid

Colour : brown

Odour: Characteristic

pH (20°C) : 4.3

Ignition point: Non-flammable

Flash point : 90°C

Explosion limits: Non-explosive

Density(20°C): 1.30 gm /cm³

Package density: Not available

Solubility

- **in water(20°C):** 100 % water soluble
- **in polar organic solvents:** Soluble
- **In non-polar organic solvents:** Partially soluble

SECTION 10.STABILITY AND REACTIVITY

This material is chemically stable under normal and anticipated storage and handling conditions.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity: Not toxic

Chronic Effects:

CARCINOGENIC EFFECTS: Not carcinogenic

MUTAGENIC EFFECTS: No mutagenic

TERATOGENIC EFFECTS: No teratogenic

DEVELOPMENTAL TOXICITY: No effect

SECTION 12. ECOLOGICAL INFORMATION

Biodegradability: The product is biodegradable.

Ecological and biological effects: None

SECTION 13. DISPOSAL INSTRUCTION

Check with all applicable local, regional, and national laws and regulations. Local regulations may be more stringent than regional or national regulations. Small amounts of this material may be suitable for sanitary sewer or trash disposal.

SECTION 14. TRANSPORT INFORMATION

Store in the closed, original container in a well-ventilated area, as cool as possible. Keep out of reach of children. Do not store in direct sunlight.

SECTION 15. REGULATORY INFORMATION

Acute: Yes

Chronic: No

Fire: Yes

Read and follow all label directions.

SECTION 16. OTHER INFORMATION

The data given here is based on current knowledge and experience. The purpose of this safety data sheet is to describe the products in terms of their safety requirements.