

Section 1. Identification of the substance/preparation and of the company

Product Name: AURORA

Synonyms: None

Product Use: FERTILIZER

Name of Supplier: GroPro Inc.

Manufacturer Information:

1) Head office: GroPro Inc
12600 West Frontage Road
Burnsville, Mn 55337

2) Factory: Address: 427-1, Gisan-ri, Seongsan-myeon, Goryeong-gun,
Gyeongsanbuk-do, South Korea. 717-812

Section 2. Hazards identification

- > **Explosion:** No cauterization
- > **Eye effects:** Irritating to eyes.
- > **Skin effects:** Moderately irritating to the skin.
- > **Inhalation:** May cause light lung damage if swallowed
- > **Ingestion:** Harmful if swallowed.
- > **Carcinogenic effects:** No known significant effects or critical hazards.
- > **Mutagenic effects:** No known significant effects or critical hazards.
- > **Teratogenicity/Reproductive toxicity:** No known significant effects or critical hazards.
- > **Effects of overexposure:** Repeated skin exposure can produce local skin destruction or dermatitis. Repeated or prolonged exposure to the substance can produce lung damage. Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to the substance can produce target organs damage.
- > **Chemical listed as carcinogens or potential carcinogens:** N/A.
- > **Environment effects:** No hazard.

Section 3. Composition/information on ingredients

Chemical / Component Name	Concentration	CAS Number	EC Number	R Phases
Ammonium Molybdate Hydrate	0.10%	-	-	None
Boric Acid	0.40%	-	-	None
Copper Sulfate Pentahydrate	0.40%	-	-	None
Lysine	3.00%	-	-	None
Magnesium Sulfate Heptahydrate	8.00%	-	-	None
Phosphoric Acid	2.00%	-	-	None
Phytic Acid	10.00%	-	-	None
Potassium Chloride	3.00%	-	-	None
Potassium di-hydrogen Phosphate	13.50%	-	-	None
Pyroligneous Liquor	5.00%	-	-	None
Sucrose	0.70%	-	-	None
Zinc Sulfate Heptahydrate	1.00%	-	-	None
Water	52.90%	-	-	None
TOTAL	100.00%			

Section 4. First aid

- > **Eye Contact:** Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.
- > **Skin Contact:** Wash with soap and water. Get medical attention if symptoms occur.
- > **Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms appear.
- > **Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms occur.
- > **Serious Inhalation:** Not available.
- > **Ingestion:** If victim is conscious and alert, give 2-3 glasses of water to drink and induce vomiting by touching back of throat with a finger. Do not induce vomiting or give anything by mouth to an unconscious person. Seek immediate medical attention. Do not leave victim unattended. Vomiting may occur spontaneously. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. If vomiting occurs and the victim is conscious, give water to further dilute the chemical.
- > **Serious Ingestion:** Not available.
- > **Notes to physician:** No specific antidote. Medical staff must contact Poison Control Center.

Section 5. Fire-fighting measures

- > **Suitable extinguishing media:** Water, water spray, foam carbon dioxide, dry powder, etc.
- > **Extinguishing agents to avoid:** None
- > **Special fire fighting precautions:** Wear respiratory protection to avoid dust and smoke

Section 6. Accidental release measures

- > In case of spill or leakage, soak up with an absorbent material such as sand, sawdust, earth, fuller's earth, etc.
- > Dispose of with chemical waste

Section 7. Handling and storage

- > **Handling:** Avoid contact with skin and eyes
- > **Storage:** Keep in dry, cool place (0-35°C)

Section 8. Exposure controls/personal protection

- > **Engineering measures:** No special ventilation requirements. Good general ventilation should be sufficient to control airborne levels. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.
- > **Eyes:** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. Recommended: safety glasses with side-shields
- > **Skin:** 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.
- > **Respiratory:** Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
- > **Hands:** 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. Recommended: nitrile rubber
- > **Hygiene measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Section 9. Physical and chemical properties

- > **Physical State:** Liquid
- > **Appearance Color:** Brown
- > **Odor:** A little
- > **Partition coefficient:** Solubility-water freely soluble
- > **PH:** 1.5~2.0
- > **Specific Gravity:** 1.0~1.2
- > **Melting point (°C):** N/A
- > **Flash point (°C):** N/A
- > **Auto-ignition temp. (°C):** N/A
- > **Vapor pressure (mm Hg):** N/A

Section 10. Stability and reactivity

- > **Stability:** Stable
- > **Conditions to avoid:** Open flames or other high temperature sources, which might induce thermal decomposition
- > **Hazardous decomposition products:** Not expected
- > **Hazardous Polymerization:** Will not occur

Section 11. Toxicological information

Acute toxicity

- > **Oral (rat):** None
- > **Dermal (rat):** None
- > **Skin Irritation (rabbit):** None
- > **Eye Irritation (rabbit):** None
- > **Long term toxicity:** None
- > **Chronic toxicity:** Non-carcinogenic, non-teratogenic, non-mutagenic or reproductive.
- > Not harmful to laboratory animals

Section 12. Ecological information

- > Friendly to ecosystem
- > Does not leach to water way

Section 13. Disposal considerations

Wastes from residues/unused products:

- > Dispose of in accordance with local state and federal regulations
- > Do not contaminate water, food or feed by storage or disposal

Section 14. Transport information

Shipping name: **GROPRO – AURORA**

Not classified as dangerous in the meaning of transport regulations

Section 15. Regulatory information

No.

Section 16. Other information

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