

SECTION 1: IDENTIFICATION

- 1.1 Product identifier:** **IGNEOUS 6-0-0**
- Other means of identification:** Not applicable.
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
- Relevant identified uses:** Fertilizer.
- Uses advised against:** None known.
- 1.3 Name, U.S. address, and U.S. telephone number of the manufacturer, importer, or other responsible party:**
Oro Agri, Inc.
2788 S. Maple Ave.
Fresno, CA 93725
Telephone Number: +1(559) 442-4996
Email: sds-na@rovensanext.com
- 1.4 Emergency phone number:**
Incident, Spill, Leak, Fire, Exposure or Accident
Call CHEMTREC Day or Night
Within USA and Canada: +1(800) 424-9300
Outside USA: +1(703) 741-5970.

SECTION 2: HAZARD(S) IDENTIFICATION

- 2.1 Classification of the substance or mixture:**
- 29 CFR 1910.1200:**
While this product is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
- 2.2 Label elements:**
- 29 CFR 1910.1200:**
None.
- 2.3 Hazards not otherwise classified (HNOC):**
None known.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 Substances:**
Non-applicable.
- 3.2 Mixtures:**
None of the substances constituting the product are found in concentrations that would cause the product to be classified.

SECTION 4: FIRST-AID MEASURES

- 4.1 Description of necessary measures:**
If exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.
- By inhalation:**
In case of symptoms, move the person affected into fresh air. If breathing is irregular or stopped, immediately seek medical assistance, and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.
- By skin contact:**
In case of contact, it is recommended to clean the affected area thoroughly with water and neutral soap. In case of skin irritation (stinging, redness, rashes, blisters), seek medical advice with the SDS of this product.
- By eye contact:**
Rinse with water until the product has been eliminated. In case of problems, consult a doctor with the SDS of this product.

By ingestion/aspiration:

Rinse mouth. Get medical attention if symptoms occur. Do NOT induce vomiting.

4.2 Most important symptoms/effects, acute and delayed:

None known.

4.3 Indication of immediate medical attention and special treatment needed, if necessary:

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

SECTION 5: FIRE-FIGHTING MEASURES**5.1 Suitable (and unsuitable) extinguishing media:****Suitable extinguishing media:**

Product is a non-flammable, low risk of fire by the inflammability characteristics of the product in normal conditions of storage, manipulation, and use. In the case of the existence of sustained combustion as a result of improper manipulation, storage, or use of any type of extinguishing agent can be used (ABC Powder, water).

Unsuitable extinguishing media:

Non-applicable

5.2 Specific hazards arising from the chemical:

Due to its non-flammable nature, the product does not present a fire risk under normal conditions of storage, manipulation, and use. Use standard firefighting procedures and consider the hazards of other materials involved.

5.3 Special protective equipment and precautions for fire-fighters:

Depending on the magnitude of the fire, it may be necessary to use full protective clothing and individual respiratory equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit).

Firefighting equipment/instructions:

As in any fire, prevent human exposure to fire, smoke, fumes, or products of combustion. Only properly trained personnel should be involved in firefighting. Evacuate nonessential personnel from the fire area. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation. Avoid spillage of the products used to extinguish the fire into an aqueous medium. Do not allow firefighting water to enter drains or water courses. Collect contaminated water separately. Fight fire with normal precautions from a reasonable distance.

Specific methods:

Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures:****For non-emergency personnel:**

Isolate leaks provided that there is no additional risk for the people performing this task. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8.

For emergency responders:

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions:

This product is not classified as hazardous to the environment. Keep product away from drains, surface, and underground water. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

6.3 Methods and materials for containment and cleaning up:

Large Spills: Stop the flow of material if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand, or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

6.4 Reference to other sections:

See section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

Comply with the current standards 29 CFR 1910 Occupational Safety and Health Standards. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

7.2 Conditions for safe storage, including any incompatibilities:

Keep away from heat, sparks, and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

There are no occupational exposure limits for the substances contained in the product.

8.2 Biological limit values:

No biological exposure limits noted for the ingredient(s).

8.3 Appropriate engineering controls:

Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide easy access to water supply and eye wash facilities.

8.4 Individual protection measures, such as personal protective equipment:

Eye/face protection:

Wear safety glasses with side shields (or goggles) and a face shield. Wear face shield if there is risk of splashing.

Skin protection:

Hand protection:

Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

Other:

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Selection and use of respiratory protective equipment should be in accordance with OSHA General Industry Standard 29 CFR 1910.134; or in Canada with CSA Standard Z94.4.

Thermal hazards:

Wear appropriate thermal protective clothing when necessary.

Environmental exposure controls:

Use appropriate container to avoid environmental contamination. Keep away from drains, surface, and ground water.

General hygiene considerations:

When using do not smoke. Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Appearance:

Physical state:	Liquid
Color:	Light Beige
Odor:	Ammoniacal
Odor threshold:	Data not available

Volatility:

Boiling point at atmospheric pressure:	Data not available
Vapor pressure:	Data not available
Evaporation rate:	Data not available

Product description:

Density:	1.2 - 1.3 /mL
Relative density:	Data not available
Dynamic viscosity:	≤ 5 cP
Kinematic viscosity:	Data not available
pH:	6.8 - 7.8
Vapor density:	Data not available
Partition coefficient n-octanol/water:	Data not available
Solubility in water:	Complete
Solubility properties:	Data not available
Decomposition temperature:	Data not available
Melting point/freezing point:	Data not available

Flammability:

Flash Point:	>93 °C (>199.4 °F) - Pensky-Martens Closed Cup
Flammability (solid, gas):	Data not available
Autoignition temperature:	Data not available
Lower flammability limit:	Data not available
Upper flammability limit:	Data not available

Particle characteristics:

Median equivalent diameter:	Data not available
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9.2 Other information:**Information with regard to physical hazard classes:**

Explosive properties:	Data not available
Oxidizing properties:	Data not available
Corrosive to metals:	Data not available
Heat of combustion:	Data not available
Aerosols-total percentage (by mass) of flammable components:	Data not available

Other safety characteristics:

Surface tension:	Data not available
Refraction index:	Data not available

SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity:**

The product is stable and non-reactive under normal conditions of use, storage and transport.

10.2 Chemical stability:

Material is stable under normal conditions.

10.3 Possibility of hazardous reactions:

No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid:

Avoid heat, sparks, open flames, and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

10.5 Incompatible materials:

Strong acids. Alkalis or strong bases.

10.6 Hazardous decomposition products:

Thermal decomposition of this product can generate carbon monoxide, carbon dioxide, sulfur oxides, and sodium oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

LD50 oral > 5000 mg/kg (rat) (Calculation method).

Information on likely routes of exposure:

Data are not available for the full mixture.

Acute Toxicity Estimate (ATE mix):

	ATE mix	Ingredient(s) of unknown toxicity
Oral	>5000 mg/kg (Calculation method)	Non-applicable
Dermal	>5000 mg/kg (Calculation method)	Non-applicable
Inhalation (vapor)	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Symptoms related to the physical, chemical, and toxicological characteristics:

None known.

Information on toxicological effects:

Acute toxicity:

Not expected to be acutely toxic.

Skin corrosion/irritation:

Based on available data, the classification criteria are not met.

Eye damage/irritation:

Based on available data, the classification criteria are not met.

Skin sensitization:

Based on available data, the classification criteria are not met.

Respiratory sensitization:

Based on available data, the classification criteria are not met.

Carcinogenicity:

This product is not considered to be a carcinogen by IARC, NTP, or OSHA.

- **International Agency for Research on Cancer (IARC) Monographs on the Evaluation of Carcinogenic Risks to Humans**
Not listed.

- **National Toxicology Program (NTP) Report on Carcinogens**
Not listed.

- **OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**
Not listed.

Reproductive toxicity:

Based on available data, the classification criteria are not met.

Specific target organ toxicity (STOT):

- **Specific target organ toxicity - single exposure:**
Not classified.

- **Specific target organ toxicity - repeated exposure:**
Not classified.

Aspiration hazard:

Not an aspiration hazard.

Chronic effects:

None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity:

The experimental information related to the eco-toxicological properties of the product is not classified for environmental hazards under 29 CFR 1910.1200. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.2 Persistence and degradability:

No data is available on the degradability of this product.

12.3 Bioaccumulative potential:

Data not available.

12.4 Mobility in soil:

Data not available.

12.5 Results of PBT and vPvB assessment:

Data not available.

12.6 Endocrine disrupting properties:

Data not available.

12.7 Other adverse effects:

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Disposal methods:**

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways, or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations:

Dispose in accordance with all applicable regulations.

Hazardous waste code:

The waste code should be assigned in discussion between the user, the producer, and the waste disposal company.

Waste from residues/unused products:

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see Disposal instructions).

Contaminated packaging:

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: TRANSPORT INFORMATION

14.1 Transport of dangerous goods by land (DOT): Not regulated as dangerous goods.

14.2 Transport of dangerous goods by sea (IMDG): Not regulated as dangerous goods.

14.3 Transport of dangerous goods by air (IATA/ICAO): Not regulated as dangerous goods.

14.4 Transport in bulk (according to IMO instruments): Non-applicable.

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations specific for the product in question:****Specific provisions in terms of protecting people or the environment:**

It is recommended to use the information provided in this safety data sheet as a foundation for conducting workplace-specific risk assessments. These assessments will help establish the appropriate risk prevention measures for handling, using, storing, and disposing of this product. Take into consideration other applicable federal, state, and local laws and local regulations.

California Proposition 65:

This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

SECTION 16: OTHER INFORMATION

Revision Date: 5/21/2025

Version Number: 1

Key literature references and sources for data:

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

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