

MATERIAL SAFETY DATA SHEET

OROBOOST

ORO AGRI, Inc.

Emergency Phone: Chemtrec 800-424-9300

Effective Date: August 3, 2007

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: OROBOOST

PRODUCT DESCRIPTION: An organic adjuvant designed for use with pesticides.

COMPANY IDENTIFICATION:

Oro Agri, Inc.
990 Trophy Club Dr.
Trophy Club, TX 76262

2. COMPOSITION/INGREDIENT INFORMATION

A hazard evaluation has identified one or more hazardous ingredient(s) under OSHA's Hazard Communication Rule, 29 CFR 1910.1200. Their identity is being claimed a trade secret. Consult Section 3 for the nature of the hazard(s).

3. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

WARNING! Causes substantial but temporary eye irritation. Harmful if inhaled or absorbed through skin. Do not get in eyes or on clothing. Avoid contact with skin or breathing spray mist. Wear protective eyewear/goggles, long-sleeved shirt, long pants, shoes, socks and waterproof gloves when applying this product. Do not allow children or pets to contact treated area until sprays have dried.

Primary Route(s) of Exposure:

Eye, Skin, and Inhalation

Effects from Overexposure:

Causes substantial eye irritation when product enters the eye. Prolonged inhalation of mist or vapor may cause nausea, dizziness, light-headedness, vomiting or unconsciousness depending on the length of exposure and the first aid action given.

Symptoms of Exposure:

A review of available data does not identify any symptoms from exposure not previously mentioned.

Aggravation of Existing Conditions:

A review of available data does not identify any worsening of existing conditions.

4. FIRST AID

- If in eyes:**
- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
 - Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- If inhaled:**
- Call a poison control center or doctor for treatment advice.
 - Move person to fresh air.
 - If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
 - Call a poison control center or doctor for further treatment advice.
- If on skin or clothing:**
- Take off contaminated clothing.
 - Rinse skin immediately with plenty of water for 15-20 minutes.
 - Call a poison control center or doctor for treatment advice.

NOTE TO PHYSICIAN:

Based on individual reactions of the patient, the physician's judgment should be used to control symptoms and clinical condition. If unconscious, having trouble breathing or in convulsions, do not induce vomiting or give water.

5. FIRE FIGHTING MEASURES

- Flash Point:** >100°F (>37.8°C)
- Extinguishing Media:** Use dry chemical, foam, carbon dioxide or another extinguishing agent suitable for Class B fires. Use water to cool containers exposed to fire. For large fires, use water spray or fog, thoroughly drenching the burning material.
- Unusual Fire & Explosion Hazards:** May evolve CO, CO₂ and SO_x under fire conditions.
- NFPA 704M/HMIS Rating:** Health - 1 Flammability - 0 Reactivity - 0 Other - 0

6. ACCIDENTAL RELEASE MEASURES

- Small liquid spills:** Contain with absorbent material, such as clay, soil or any commercially available absorbent. Shovel reclaimed liquid and absorbent into recovery or salvage drums for disposal. Refer to CERCLA in Section 15.
- Large liquid spills:** Dike to prevent further movement and reclaim into recovery or salvage drums or tank truck for disposal. Refer to CERCLA in Section 15.
- For large indoor spills, evacuate employees and ventilate area. Those responsible for control and recovery should wear the protective equipment specified in Section 8.

7. HANDLING AND STORAGE

Avoid contact with skin or breathing spray mist. Wear protective eyewear/goggles, long-sleeved shirt, long pants, shoes, socks and waterproof gloves when applying this product. Do not allow children or pets to contact treated area until sprays have dried.

Keep container closed when not in use. Avoid temperatures below 34°F (5°C) and above 100°F (40°C).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection:	Because of the low toxicity of this product, respiratory protection is not typically necessary. If significant vapors are generated, use either a chemical cartridge respirator or supplied air. For large spills, entry into large tanks, vessels or enclosed small spaces with inadequate ventilation, a positive pressure, self-contained breathing apparatus is recommended.
Ventilation:	General ventilation is recommended.
Protective Equipment:	Use impermeable gloves and chemical splash goggles when attaching feeding equipment, performing maintenance or handling this product. Examples of impermeable gloves available on the market are neoprene, nitrile, PVC, natural rubber, viton and butyl (NOTE: compatibility studies have not been performed). The availability of an eye wash fountain and safety shower is recommended. If clothing is contaminated, remove clothing and thoroughly wash the affected area. Launder contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Color:	Orange
Form:	Liquid
Odor:	Light citrus
Density:	0.995 g/mL
Solubility in Water:	Complete
pH (Neat):	~8
Boiling Point:	92°C
Flash Point:	>100°F (>37.8°C)
Freeze Point:	-5°C

These physical properties are typical values for this product and should not be considered as guarantees of any specific lot.

10. STABILITY AND REACTIVITY

Incompatibility:	Avoid contact with strong oxidizers (e.g., Ferric Chloride) which can generate heat and release toxic fumes.
Thermal Decomposition Products:	In the event of combustion, CO, CO ₂ , and SO _x may be formed. Do not breathe smoke or fumes. Wear suitable protective equipment.

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity:	N/D
Acute Dermal Toxicity:	N/D
Acute Inhalation Toxicity:	N/D
Eye Irritation:	N/D
Skin Irritation:	N/D
Dermal Sensitization:	N/D

CARCINOGENICITY (of individual ingredients):

ACGIH: Not Listed
IARC: Not Listed
NTP: Not Listed
OSHA: Not Listed

12. ECOLOGICAL INFORMATION

Environmental toxicity data is not available for the formulated product. If released into the environment, see Section 13 for disposal.

13. DISPOSAL CONSIDERATIONS

As a non-hazardous liquid waste, this product should be solidified with stabilizing agents (such as sand, fly ash, or cement) so that no free liquid remains before disposal to an industrial waste landfill.

Containers should be disposed of by rinsing thoroughly and then offering for recycling or reconditioning or puncture and dispose of in a sanitary landfill, by incinerating, or if allowed by state and local authorities by burning. If burned, stay out of smoke.

14. TRANSPORTATION INFORMATION

NOT REGULATED BY DOT

DOT PROPER SHIPPING NAME: N/A
REPORTABLE QUANTITY: N/A
DOT EMERGENCY RESPONSE GUIDE: N/A
MARINE POLLUTANT: No

15. REGULATORY INFORMATION

FEDERAL REGULATIONS

OSHA HAZARD COMMUNICATION STANDARD STATUS: Not Regulated

SARA Title III – Section 302 Extremely Hazardous Substances
Not listed

SARA Title III – Section 311 Hazardous Categories
Immediate

SARA Title III – Section 312 Threshold Planning Quantity
10,000 lbs.

SARA Title III – Section 313 Reportable Ingredients
Not Listed

CERCLA –
Not Listed

STATE REGULATIONS

California Proposition 65: This product does not contain any chemicals known to the State of California to cause cancer or reproductive toxicity.

16. OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.

DISCLAIMER:

This product material safety data sheet provides health and safety information. The product is to be used in applications consistent with our product literature. Individuals handling this product should be informed of the recommended safety precautions and should have access to this information. For any other uses, exposures should be evaluated so that appropriate handling practices and training programs can be established to ensure safe workplace operations. Please consult your local sales representative for any further information.

This MSDS does not replace or modify the product label. It provides important health, safety, and environmental information for individuals handling large quantities of the product in activities generally other than product use. Conversely, the product label provides information for product use.

The information in this MSDS is believed to be correct as of the date hereof. The company makes no representations as to the completeness or accuracy thereof. The company is in no way responsible for damages of any kind from the use of, or reliance upon this information.

FOR EMERGENCY SPILL OR FIRST AID INFORMATION ONLY:

In case of emergency call: CHEMTREC (1-800-424-9300)
For non-emergencies dial: CHEMTREC (1-800-262-8200)
International Calls: CHEMTREC (703-527-3887) collect calls accepted
For all other inquiries: ORO AGRI, Inc. (817-491-2057)