Safety Data Sheet

According to 29 CFR 1910.1200 App D

Completion date: 4/10/2025 Version number: 1

SECTION 1: IDENTIFICATION

1.1 Product identifier: **VINTRE®**

Other means of identification: Non-applicable.

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant identified uses: Adjuvant.

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:
Classification of this product has been carried out in accordance with 1910.1200 App D.

Flammable liquids, Category 3
Acute inhalation toxicity, Category 4
Eye damage/irritation, Category 2A

2.2 Label elements:

29 CFR 1910.1200:
Signal word, hazard statement(s), symbol(s) and precautionary statement(s) in accordance with paragraph (f) of § 1910.1200.

Signal word: Warning

Hazard statements:
Flammable liquid and vapor. Harmful if inhaled. Causes serious eye irritation.

Precautionary statements - Prevention:
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling. Avoid breathing mist/vapors/spray. Use only outdoors or in a well-ventilated area.

Precautionary statements - Response:
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. In case of fire: Use sand, carbon dioxide or powder to extinguish. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

Precautionary statements - Storage:
Store in a well-ventilated place. Keep cool.

Precautionary statements - Disposal:
Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Hazards not otherwise classified (HNOC):
None known.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances:
Non-applicable

3.2 Mixtures:

Mixture description:

Identification	Chemical name	Concentration
	Proprietary mixture[1]	**90 – 95 %**
CAS: 84133-50-6	**Secondary Alcohol Ethoxylate**	**5 - <10 %**

Composition comments:
[1]Components, CAS numbers and/or concentrations not listed are either non-hazardous, below reporting limits or have been withheld as trade secrets.

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:
If breathing is irregular or stopped, immediately seek medical assistance, and start first aid actions. Move to fresh air. Call a physician if symptoms develop or persist.

By skin contact:
Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation develops and persists. Wash contaminated clothing before reuse.

By eye contact:
Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

By ingestion/aspiration:
Rinse mouth. Get medical attention if symptoms occur. Do NOT induce vomiting.

4.2 Most important symptoms/effects, acute and delayed:
Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause skin irritation. May cause redness and pain. Harmful if inhaled.

4.3 Indication of immediate medical attention and special treatment needed, if necessary:
Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Suitable (and unsuitable) extinguishing media:

Suitable extinguishing media:
Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing media:
Do not use water jet as an extinguisher, as this will spread the fire.

5.2 Specific hazards arising from the chemical:
During fire, gases hazardous to health may be formed.

5.3 Special protective equipment and precautions for fire-fighters:
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Firefighting equipment/instructions:
In case of fire and/or explosion, do not breathe fumes. Move containers from fire area if you can do so without risk. Do not allow firefighting water to enter drains or water courses. Fight fire with normal precautions from a reasonable distance.

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

General fire hazards:
Material will burn in a fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:
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. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

For emergency responders:
Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions:
Avoid release to the environment. 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:
Keep away from open flames, hot surfaces and sources of ignition. When using do not smoke. Do not get in eyes, on skin, or on clothing. Explosion-proof general and local exhaust ventilation. Take action to prevent static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid breathing mist/vapor/spray. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

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:
Substances whose occupational exposure limits have to be assessed in the workplace

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000):

Identification	Occupational exposure limits	
Proprietary component 1	8-hour TWA PEL	2 mg/m³
	Ceiling Values - TWA PEL	

US. ACGIH Threshold Limit Values (2022):

Identification	Occupational exposure limits	
Proprietary component 1	TLV-Ceiling	2 mg/m³
	TLV-STEL	
Proprietary component 2	TLV-TWA	2 mg/m³
	STEL	

CALIFORNIA- TABLE AC-1 PERMISSIBLE EXPOSURE LIMITS FOR CHEMICAL CONTAMINANTS:

Identification	Occupational exposure limits	
Proprietary component 1	PEL-Ceiling	2 mg/m³
	STEL	
Proprietary component 2	PEL-TWA	10 mg/m³
	STEL	

NIOSH: Immediately Dangerous To Life or Health (IDLH) Values:

Identification	Occupational exposure limits	
Proprietary component 1	REL-Ceiling	2 mg/m³
	IDLH Value	10 mg/m³
Proprietary component 2	REL-TWA	10 mg/m³
	IDLH Value	

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 splashes.

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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Appearance:

Physical state:	Liquid
Color:	Orange
Odor:	Citrus
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:	1.0 - 1.1 g/mL
Relative density:	Data not available
Dynamic viscosity:	80 - 150 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:	51 °C (123.8 °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

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.

If heated:
Risk of ignition.

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.

Hints to prevent fire or explosion:
Use explosion-proof electrical/ventilating/lightning/equipment. Use only non-sparking tools. Take action to prevent static discharges.

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 oxidizing agents.

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:

Information on likely routes of exposure:
In case of exposure that is repetitive, prolonged or at concentrations higher than recommended by the occupational exposure limits, it may result in adverse effects on health depending on the means of exposure:

Ingestion (acute effect):
May cause discomfort if swallowed.

Inhalation (acute effect):
Harmful if inhaled.

Contact with the skin (acute effect):
May cause skin irritation.

Contact with the eyes (acute effect):
Causes serious eye irritation.

11.2 Symptoms related to the physical, chemical, and toxicological characteristics:
Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause skin irritation. May cause redness and pain. Harmful if inhaled.

Information on toxicological effects:

Acute toxicity:
Not expected to be acutely toxic.

Product-specific toxicological information: VINTRE (CAS Mixture)

Exposure route	Endpoint	Value	Species	Method
Acute toxicity				
Oral	LD50	>2000 mg/kg	Rat	OECD 425
Dermal	LD50	>2000 mg/kg	Rat	OECD 402
Inhalation vapor	LC50	>2.13 mg/L (4 h)	Rat	OECD 403

Skin corrosion/irritation:
Causes slight skin irritation.

Test mixture produced very slight erythema in 3/3 rabbits, fully reversible by day 7.

Skin contact **VINTRE**
OECD 404
Result: Irritating
Severity: Slight
Species: Rabbit.

Eye damage/irritation:
Causes serious eye irritation.

Eye contact **VINTRE**
OECD 405
Result: Irritating
Severity: Mild
Species: Rabbit.

Skin sensitization:
Not a skin sensitizer.

Sensitization **VINTRE**
OECD 406
Result: Non-sensitizing
Species: Guinea pig.

Respiratory sensitization:
Not a respiratory sensitizer.

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
Proprietary component 2: Class 3 - Not carcinogenic to human.

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

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

Reproductive toxicity:
Data not available.

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:
Prolonged inhalation may be harmful.

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

Transport of dangerous goods by land:
With regard to 49 CFR on the Transport of Dangerous Goods:

14.1	**UN number:**	UN1993
14.2	**UN proper shipping name:**	FLAMMABLE LIQUID, N.O.S. (Orange, sweet, ext.)
14.3	**Transport hazard class(es):**	3
	Labels:	3
14.4	**Packing group, if applicable:**	III
14.5	**Marine pollutant:**	No
14.6	**Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises**	
	Physico-Chemical properties:	see section 9
	Limited quantities:	5 L

49 CFR 173.150: A flammable liquid with a flash point at or above 38 °C (100 °F) that does not meet the definition of any other hazard class may be reclassed as a combustible liquid. This provision does not apply to transportation by vessel or aircraft, except where other means of transportation is impracticable. It can be shipped as a non-hazardous material if the container is under 120 gallons.

14.7	**Transport in bulk (according to IMO instruments):**	Non-applicable

Transport of dangerous goods by sea:
With regard to IMDG 41-22:

14.1	**UN number:**	UN1993
14.2	**UN proper shipping name:**	FLAMMABLE LIQUID, N.O.S. (Orange, sweet, ext.)
14.3	**Transport hazard class(es):**	3
	Labels:	3
14.4	**Packing group, if applicable:**	III
14.5	**Marine pollutant:**	No
14.6	**Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises**	
	Special regulations:	274, 223, 955
	EmS Codes:	F-E, S-E
	Physico-Chemical properties:	see section 9
	Limited quantities:	5 L
	Segregation group:	Non-applicable
14.7	**Transport in bulk (according to IMO instruments):**	Non-applicable

Transport of dangerous goods by air:
With regard to IATA/ICAO 2024:

14.1	**UN number:**	UN1993
14.2	**UN proper shipping name:**	FLAMMABLE LIQUID, N.O.S. (Orange, sweet, ext.)
14.3	**Transport hazard class(es):**	3
	Labels:	3
14.4	**Packing group, if applicable:**	III
14.5	**Marine pollutant:**	No
14.6	**Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises**	
	Physico-Chemical properties:	see section 9
14.7	**Transport in bulk (according to IMO instruments):**	Non-applicable

Additional information:
Test results from Sustained Combustion testing (L.2 of Part 3 section 32 of UN Recommendations on the Transport of Dangerous Goods, Manual of Tests and Criteria) indicate that this material does not sustain combustion. At the discretion of the shipper, this material does not need to be considered a Dangerous Good when offered for transport by ground in the U.S. according to 49 CFR 173.120(b)(3), by air according to IATA DGR section 3.3.1.3(a), or by sea according to IMDG Code chapter 2.3.1.3.1.

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: 4/10/2025

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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End of SDS