

SAFETY DATA SHEET

1. Identification

Trade Name: ENCOURAGE OROMATE HA-20

Other means of identification

Product code: 319-F-5-A

Recommended use: Fertilizer

Recommended restrictions: None Known

Manufacturer information:

Oro Agri, Inc.
2788 S. Maple Ave
Fresno, CA 93725

Telephone Number: +1 (559) 442-4996

Email: SDS-NA@oroagri.com

Emergency Telephone 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

2. Hazard(s) identification

Physical Hazards

Not classified.

Health hazards

Acute toxicity, oral (Category 4)

Skin corrosion/irritation (Category 2)

Serious eye damage/eye irritation (Category 2)

Environmental hazards

Not classified.

OSHA defined hazards

Not classified.

Label elements



Signal word

Warning

Hazard statement

Harmful if swallowed. Causes skin irritation. Causes serious eye irritation.

Precautionary statement

Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Wear protective gloves/eye protection/face protection.

Response

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. 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.

Storage

Store in a well-ventilated place.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC)

None known.

Supplemental Information

None.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS Number	%
Proprietary Mixture ¹		100

Composition comments

¹ Components not listed are either non-hazardous, below reportable limits or withheld as a trade secret.

4. First-aid and Ingestion measures

General Information

Symptoms of poisoning may even occur after several hours; therefore observe for at least 48 hours after the accident.

Inhalation

Remove to fresh air. In case of unconsciousness place patient stably in side position for transportation.

Skin contact

Immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing. Flush affected areas with plenty of water and soap.

Eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Ingestion

If symptoms persist consult doctor.

Information for doctor:

Most important symptoms/effects, acute and delayed.

5. Fire-fighting measures

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special Hazards arising from the substance or mixture

No further relevant information available

Protective equipment

Use breathing apparatus with independent air supply (isolated)

6. Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Wear protective gear. Do not inhale the material or its combustion products. Go against the wind and keep out of low areas. Evacuate personnel to safe area.

Environmental precautions

Do not allow to enter sewers/ surface or ground water. Should not be released into the environment.

Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders). Transfer into suitable containers. To be disposed of in compliance with existing regulations. After cleaning, flush away traces with water.

Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.

Reference to other sections

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

7. Handling and storage**Handling****Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care. Prevent formation of aerosols.

Information about protection against explosions and fires

Put on appropriate personal protective equipment. Keep away from open flames, shut of the production of sources of ignition. Electricity: static electricity, electricity sparks, heat. Do not breathe vapor or mist. No smoking.

Storage**Requirements to be met by storerooms and receptacles**

Observe the rules usually applicable when handling chemicals.

Information about storage in one common storage facility

Do not store together with oxidizing and acidic materials.

Further information about storage conditions

Keep container tightly sealed in a dry well-ventilated place.

Specific end use(s)

No further relevant information available.

8. Exposure controls/personal protection**Additional information about design of technical facilities:**

Ensure eyewash stations and safety showers are close to the workstation location.

Ingredients with limit values that require monitoring at the workplace:

Not required.

Additional information:

The lists valid during the making were used as basis.

Personal protective equipment**General protective and hygienic measures**

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Store protective clothing separately. Avoid contact with the eyes and skin.

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Respiratory Protection

IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Protection of hands

Protective gloves. The glove material must be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time must be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection

Tightly sealed goggles

Body protection

Protective work clothing.

9. Physical chemical properties

Appearance

Physical state	Liquid.
Form	Liquid.
Color	Black.

Odor

Odorless

Odor threshold

Not available.

pH

11.4

pH temperature

20 °C (68 °F)

Melting point/freezing point

Not available.

Initial boiling point and boiling range

Not available.

Flash point

Not available.

Evaporate rate

Not available.

Flammability (solid, gas)

Not available.

Vapor temperature

20 °C (68 °F)

Vapor pressure

23 hPa (17 mm Hg)

Vapor density

Not available.

Relative density

1.1 g/cm³

Relative density temperature

20 °C (68 °F)

Solubility(ies)

Solubility (water)

Not miscible. Difficult to mix.

Partition coefficient (n-octanol/water)

Not available.

Auto-ignition temperature

Not self-igniting.

Decomposition temperature

Not available.

Viscosity

Not available.

Viscosity temperature

Not available.

Solvent content

Organic solvents

0.0 %

Water

26.0 %

VOC content

0.0 g/l / 0.00 lb/gl

Other information

No further relevant information available.

10. Stability and reactivity

Thermal decomposition/conditions to be avoided

No decomposition if used according to specification.

Incompatible materials

No further relevant information available.

Hazardous decomposition products

No dangerous decomposition products known.

11. Toxicological information**Acute toxicity****LD/LC50 values that are relevant for classification**

ENCOURAGE OROMATE HA-20 LD₅₀: 1938 mg/kg (rat) – is this an estimated value based on 0.5% KOH in final solution.

Primary irritant effect**Skin corrosion/irritation**

Irritant to skin and mucous membranes.

Serious eye damage/irritation

Irritating effect.

Sensitization

No sensitizing effects known.

12. Ecological information**Aquatic toxicity**

Not available / Not classified.

13. Disposal considerations**Waste treatment methods - Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system

Uncleaned packaging - recommendation

Disposal must be made according to official regulations.

14. Transport information**UN-Number**

Not applicable

UN proper shipping name (DOT, ADR, IMDG, IATA)

Not applicable

Transport hazard class(es)

Not applicable

Environmental hazards

Not applicable

Special marking (ADR)

Not applicable

Special precautions for user

Not applicable

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

Transport/Additional information

Not applicable

15. Regulatory Information**US federal regulations**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

US state regulations**US. California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 2016 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

16. Other information**Version #: 01****Disclaimer**

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