

SAFETY DATA SHEET

CREMATE

SDS DATE: 07/30/2015

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: CREMATE

DISTRIBUTOR: Oregon Vineyard Supply
ADDRESS: 2700 St. Joseph Rd. McMinnville, OR 97128
PHONE: (800) 653-2216

EMERGENCY CHEMTREC PHONE: US: 1-800-424-9300 International: 1-202-483-7616

CHEMICAL NAME: Proprietary mixture
CHEMICAL FAMILY: Molecular addition compound/surfactant solution
CHEMICAL FORMULA: Mixture

PRODUCT USE: Adjuvant

SECTION 1 NOTES: None

SECTION 2: HAZARDOUS INGREDIENTS

GHS Ratings:

Toxicity Categories

Acute toxicity (Oral)	Category 4
Skin corrosion/ irritation	Category 1B
Eye damage/ irritation	Category 1
Corrosive to metal	Category 1



Signal Word: DANGER

GHS HAZARDS

H290 May be corrosive to metals.
H302 Harmful if swallowed.
H314 Causes severe skin burn and eye damage.
H318 Causes serious eye damage.

Hazards Not Otherwise Classified

May rupture unvented containers

GHS PRECAUTIONS

P102 Keep out of reach of children.
P103 Read label before use.
P233 Keep container tightly closed.
P234 Keep only in original container.
P260 Do not breathe dust, fume, gas, mist, vapors or spray.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves, protective clothing, eye protection and face protection.
P301+310 IF SWALLOWED: Immediately call poison center, doctor or physician.
P330 Rinse Mouth.
P302+361+338 IF ON SKIN: (or hair): Remove or take off immediately all contaminated clothing. Rinse skin with water or shower.

P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do then continue rinsing cautiously.
P310 Immediately call a POISON CENTER, doctor or physician.
P330 Rinse mouth.
P361 Remove or take off immediately all contaminated clothing.
P363 Wash contaminated clothing before reuse.
P390 Absorb spillage to prevent material damage.
P402 Store in a dry place.
P403+235 Store in a well ventilated place. Keep cool.
P405 Store locked up. May rupture unvented containers. Store in ventilated containers only.
P406 Will corrode incompatible materials. Extremely corrosive to copper, aluminum, zinc. Corrosive to 304 and 316 stainless steel. Polyethylene or polypropylene or other polymers are acceptable materials of construction. Storage tanks should be vented and painted white or in light heat deflecting colors. Ensure that all pumps, valves, meters gaskets, etc are of compatible material. Store in a dry place. Store in a cool well ventilated area. Keep in original container tightly closed. Do not reuse empty container. Do not store with food, feed, or other material to be used or consumed by humans or animals. Do not contaminate water supplies. For optimal storage, store between 40° and 90° F.
P501 Dispose of contents in container to an approved waste disposal facility in accordance with all local, regional, national and international regulations.

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SECTION 3: HAZARDS IDENTIFICATION

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>% WT</u>
Urea, sulfate 1:1	21351-39-3	50 – 60%
Glycerine	56-81-5	10 – 15%
Trade Secret	Trade Secret	1 – 5%
Ammonium Sulfate	7783-20-2	1 – 5%
Citric acid	77-92-9	1 – 5%

NOTE: Product does NOT contain any pesticides or pest control agents.

SECTION 3 NOTES: These specific chemical identities and or exact percentage (concentration) of composition have been withheld as a trade secret.

CARCINOGENICITY

OSHA: No ACGIH: No NTP: No IARC: No OTHER: No

SECTION 4: FIRST AID MEASURES

Have the product container with you when calling a poison control center or doctor, or going for treatment.

IF IN EYES: Immediately call a poison center, doctor or physician. Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do then continue rinsing.

IF ON SKIN OR CLOTHING: Remove or take off immediately all contaminated clothing. Rinse skin with water or shower. Call a poison center, doctor or physician to specify the appropriate source of emergency medical advice.

IF SWALLOWED: Immediately call a poison center, doctor or physician to specify the appropriate source of emergency medical advice. Unless advised otherwise by a poison control center or doctor, have person rinse mouth with water, if able. Do not give anything by mouth to an unconscious person.

IF INHALED: If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth to mouth if possible.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 4 NOTES: None

SECTION 5: FIRE FIGHTING MEASURES

NFPA HAZARD CLASSIFICATION

HEALTH: 2 FLAMMABILITY: 1 REACTIVITY: 2 OTHER: -

IN CASE OF FIRE: Water, carbon dioxide, dry chemical or foam.

SPECIAL FIRE FIGHTING PROCEDURES: Use full turn-out gear and self-contained breathing apparatus. Dike and collect water using media appropriate for acidic water.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known

HAZARDOUS DECOMPOSITION PRODUCTS: Under fire conditions, oxides of carbon, sulfur and nitrogen.

SECTION 5 NOTES: None

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Absorb spillage to prevent material damage. Surround and absorb all spills. Material should be collected and disposed in proper manner. Dike the area to prevent spill from spreading. Soak up spill with a suitable absorbent such as clay, sawdust or kitty litter. Sweep up absorbed material and place in a chemical waste container for disposal. Wear suitable protective equipment.

SECTION 6 NOTES: None

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SECTION 7: HANDLING AND STORAGE

HANDLING

Keep out of reach of children. Read label before use. May rupture unvented containers. Store in ventilated containers only. Do not eat, drink or smoke when using this product. Do not breathe dust, fume, gas, mist, vapors or spray. Wash hands thoroughly after handling. Wear protective gloves, protective clothing, eye protection and face protection. Wash contaminated clothing before reuse.

STORAGE:

Store locked up. Will corrode incompatible materials. Extremely corrosive to copper, aluminum, zinc. Corrosive to 304 and 316 stainless steel. Polyethylene or polypropylene or other polymers are acceptable materials of construction. Storage tanks should be vented and painted white or in light heat deflecting colors. Ensure that all pumps, valves, meters gaskets, etc are of compatible material. Store in a dry place. Store in a cool well ventilated area. Keep in original container tightly closed. Do not reuse empty container. Do not store with food, feed, or other material to be used or consumed by humans or animals. Do not contaminate water supplies. For optimal storage, store between 40° and 90° F.

SECTION 7 NOTES:

None

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values

VENTILATION:

Local exhaust ventilation recommended if generating vapor, dust, or mist. If exhaust ventilation is not available or inadequate, use OSHA or NIOSH approved respirator as appropriate.

RESPIRATORY PROTECTION:

Not necessary unless ventilation is inadequate. Then use OSHA or NIOSH approved respirator, as appropriate.

EYE PROTECTION:

Chemical goggles and face shield.

SKIN PROTECTION:

Acid impermeable gloves, long-sleeved shirts and pants, apron.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

Eye wash and safety shower should be easily accessible.

WORK HYGIENIC PRACTICES:

Wash thoroughly with soap and water after handling product and before eating, drinking, or using tobacco products. Clean affected clothing, shoes, and protective equipment before reuse.

EXPOSURE GUIDELINES:

If exposed, see section 4 for acute exposure first aid.

SECTION 8 NOTES:

None

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

Clear viscous

FLAMMABLE LIMITS IN AIR, UPPER: Unknown
(% BY VOLUME) **LOWER:** Unknown

ODOR:

None

ORDER THRESHOLD:

Not known

VAPOR PRESSURE (mmHg):

@

PHYSICAL STATE:

Liquid

F: Unknown

C: Unknown

pH AS SUPPLIED:

Not applicable

VAPOR DENSITY (AIR = 1):

@

pH (Other):

F: Unknown

C: Unknown

INITIAL BOILING POINT:

F: Unknown

C: Unknown

RELATIVE DENSITY:

1.347 to 1.375

BOILING POINT RANGE:

F: Unknown

C: Unknown

EVAPORATION RATE:

Unknown

MELTING POINT:

F: Unknown

C: Unknown

BASIS (butyl acetate=1):

SOLUBILITY IN WATER:

Soluble

FREEZING POINT:

F: Unknown

C: Unknown

PARTITION COEFFICIENT: (n-octanol/water): Unknown

FLASH POINT:

F: >200

C: >93

AUTO-IGNITION TEMPERATURE: Unknown

DECOMPOSITION TEMPERATURE: Unknown

METHOD USED:

PMCC

VISCOSITY:

@ Not determined

FLAMMABILITY (solid, gas):

Can burn

F: Unknown

C: Unknown

SECTION 9 NOTES: Values are not product specifications.

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

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SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable Unstable

CONDITIONS TO AVOID (STABILITY): This material may vigorously decompose releasing carbon dioxide gas if heated above 230-300°F.

INCOMPATIBILITY (MATERIAL TO AVOID): Avoid contact with oxidizers. May be extremely hazardous in contact with chlorates. This material is corrosive to metal. Avoid contact with nitrates, hypochlorites (e.g., chlorine bleach), sulfides, or cyanides which will generate toxic gases. Contact with alkaline materials (e.g., aqua ammonia and caustics) will generate heat.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Under fire conditions, oxides of carbon, nitrogen and sulfur. Small amounts of carbon dioxide will be released under normal conditions. Vented caps should be used on all containers and vessels.

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID (POLYMERIZATION): None known

SECTION 10 NOTES: None

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Not available

MIXTURE TOXICITY: Not available

COMPONENT TOXICITY: Not available

SECTION 11 NOTES: None

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Not available

ECOTOXICITY: Not available

BIOACCUMULATIVE POTENTIAL: Not available

MOBILITY IN SOIL: Not available

OTHER ADVERSE EFFECTS: Not available

SECTION 12 NOTES: None

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Do not contaminate water, food or feed by storage or disposal. Dispose of contents in container to an approved waste disposal facility in accordance with all federal, state and local regulations.

CONTAINER DISPOSAL: Triple rinse (or equivalent) adding rinse water to application tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by local regulations.

RCRA HAZARD CLASS: None

SECTION 13 NOTES: None

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SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

NMFC Proper shipping name: Corrosive Liquid, N.O.S.(contains monocarbamide dihydrogensulfate) class 8, UN 1760, PG III,

DOT Shipping Description:

Identification Number: UN1760
Proper Shipping Name: Corrosive Liquid, N.O.S. (contains monocarbamide dihydrogensulfate)
Hazard Class: 8
Packing Group: III
Label Required: CORROSIVE



NOT REGULATED: IN BULK PACKAGING LARGER THAN 119Gal. (450L) WHEN TRANSPORTED BY MOTOR VEHICLE OR RAILCAR IN PACKAGING THAT WILL NOT REACT WITH OR BE DE GRADED BY THIS MATERIAL - 49 CFR 173.154 (d)

U.S. Surface Freight Classification: ADHESIVES, ADJUVANTS, SPREADERS OR STICKERS (NMFC 4610; CLASS: 60) Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.

OTHER AGENCIES: None

SECTION 14 NOTES: None

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): Mixture not listed

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Not Regulated

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): Not Regulated

311/312 HAZARD CATEGORIES: None

313 REPORTABLE INGREDIENTS: None

INTERNATIONAL REGULATIONS: None

SECTION 15 NOTES: None

SECTION 16: OTHER INFORMATION

OTHER INFORMATION: None

DISCLAIMER:

The recommendation for safe handling and protection procedures is believed to be generally suitable for the standard uses of this compound. However, each user should identify his intended uses of this material and determine whether they are appropriate. All data included in this document is released as typical values and should not be utilized to determine the suitability of this material for a particular use or purpose. No warranty, either expressed or implied, is hereby made, nor do we give permission, inducement, or recommendations to practice any patented invention without a license. All data is offered for consideration, investigation and verification purposes only.