



**CALTEC**  
AG INC.

### ***Safety Data Sheet (SDS)***

OSHA HazCom Standard 29 CFR 1910.1200(g), Rev. 2012

Date Prepared: 4/24/15

Supersedes Date: 6/5/00

#### **Section 1: Identification**

**Product Name:** TERRA TREAT™

**Product Identifier:** Non-ionic, polyol soil wetting agent

**Synonyms:** None.

**Supplier:**

Caltec Agri Marketing Services

1420 F Street, Suite 100

Modesto, CA 95354

(800) 491-2847 or (209) 575-1295

**Emergency telephone number:** Caltec Agri Marketing Services (800) 491-2847

**Recommended use:** Agriculture - As a soil surfactant/penetrant designed to uniformly distribute fertilizer, pesticides, and/or water throughout the root zone

**Restrictions on use:** Do not mix with CAN-17 or high Phosphate fertilizer blends.

#### **Section 2: Hazards Identification**

Signal word: WARNING



<b>Code</b>	<b>Physical Hazard Statement</b>	<b>GHS Hazard Class</b>	<b>Hazard Category</b>
H315	Causes skin irritation	Skin corrosion/irritation	2
H320	Causes eye irritation	Serious eye damage/eye irritation	2B
H335	May cause respiratory irritation	Specific target organ toxicity, single exposure; Respiratory tract irritation	3

#### **A. Emergency Overview:**

**Physical Appearance and Odor:** Clear to slightly cloudy liquid; mild, aromatic odor.

#### **B. Potential Health Effects:**

**Primary Route of Entry:** Routes of entry for liquids include eye and skin contact, inhalation and ingestions.

**Effects of Overexposure:**

**Acute Eye:** Slightly irritating. May cause temporary redness and/or irritation

**Acute Skin:** Low acute dermal toxicity. Slightly irritating. May cause redness.

<b>Acute Inhalation:</b>	Inhalation is not likely. Mists may cause upper respiratory tract irritation.
<b>Acute Ingestion:</b>	Practically non-toxic. Ingestion may result in diarrhea or weakness.
<b>Chronic Effects:</b>	This product does not contain any ingredient designated by IARC, NTP, ACGIH, or OSHA as probably or suspected human carcinogens.
<b>GHS Precautionary Statements:</b>	
P102	Keep out of reach of children.
P103	Read label before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing dust/fumes/gas/mist/vapours/spray.
P262	Do not get in eyes, on skin, or on clothing.
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P402 + P403 + P233	Store in a dry place. Store in a well-ventilated place. Keep container tightly closed.
P305 + P351 + P337 + P313	IF IN EYES: Rinse cautiously with water for several minutes. If eye irritation persists, get medical advice/attention.
P302 + P352 + P362 + P363 + P332 + P313	IF ON SKIN: Wash with plenty of water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs, get medical advice/attention.
P304 + P340 + P314	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.
P301 + P330 + P313	IF SWALLOWED: Rinse mouth. Get medical advice/attention.
P370 + P283	In case of fire: Wear fire/flammable resistant/retardant clothing.

### Section 3: Composition / Information on Ingredients

#### \*\*Exposure Limits\*\*

<u>Component</u>	<u>CAS#</u>	<u>Weight (%)</u>	<u>OSHA/PEL</u>	<u>ACGIH/TLV</u>
Non-ionic surfactant blend	Proprietary	14	Not established	Not established
Water	7732-15-3	86	Not applicable	Not applicable

**Section 4: First Aid Measures**

**Eye Exposure:** Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. If necessary, seek medical attention.

**Skin Exposure:** In case of contact, immediately wash with plenty of soap and water for at least 5 minutes. Seek medical attention as needed. Remove contaminated clothing and shoes, and launder before re-use.

**Inhalation:** Inhalation is not an expected route of exposure. If respiratory irritation or distress occurs, remove victim to fresh air. Seek medical attention if necessary.

**Ingestion:** If victim is conscious and alert, give 1-2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Seek medical attention. Do not leave victim unattended.

**Medical Conditions Possibly Aggravated by Exposure:** Skin contact may aggravate existing skin conditions.

**Notes to Physician:** All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

**Section 5: Fire-Fighting Measures****FIRE HAZARD DATA:**

**Flash Point:** > 93°C (200°F)

**Method Used:** Pensky-Martens Closed Cup

**Flammability Limits (vol/vol%): Lower:** Not established. **Upper:** Not established

**Extinguishing Media:** Use water spray, dry chemical, foam or carbon dioxide. Use water spray to cool drums exposed to fire.

**Special Fire Fighting Procedures:** Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

**Unusual Fire and Explosion Hazards:** Product will burn under fire conditions.

**Hazardous Decomposition Materials (Under Fire Conditions):** Oxides of carbon and hydrogen.

**Section 6: Accidental Release Measures**

**Containment of Spill:** Follow procedure described below.

**Cleanup and Disposal of Spill:** Absorb with an inert absorbent. Sweep up and place in an appropriate closed container. Clean up residual material by washing area with water. Collect washings for disposal.

**Environmental and Regulatory Reporting:** Do not flush to drain. Spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.

## Section 7: Handling and Storage

**Minimum/Maximum Storage Temperature:** Not established

**Handling:** Avoid breathing vapors or mist. Avoid direct or prolonged contact with skin and eyes. Ethylene oxide may collect in container head space. Although concentrations are expected to remain below established exposure limits, provide adequate ventilation when accessing or working with open containers and tanks.

**Storage:** Store in tightly closed containers. Store in an area that is dry, well-ventilated, away from ignition sources, and away from incompatible materials (See Section 10. Stability and Reactivity).

## Section 8: Exposure Controls / Personal Protection

<b>Introductory Remarks:</b>	These recommendations provide general guidance for handling the product. Because specific work environments and material handling practices vary, safety procedures should be developed for each <i>intended application</i> . While developing safe handling procedures, do not overlook the need to clean equipment and piping systems and/or maintenance and repairs. Waste resulting from these procedures should be handled in accordance with Section 13: Disposal Considerations.  <i>Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.</i>
<b>Exposure Guidelines:</b>	No exposure limits were found for this product or any of its ingredients.
<b>Engineering Controls:</b>	When potential for exposure exists, provide adequate general area dilution/exhaust ventilation.
<b>Respiratory Protection:</b>	When respirators are required, use suitable NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations. Under normal conditions with adequate ventilation, no protection is necessary.
<b>Eye/Face Protection:</b>	Appropriate ANSI Z87 approved equipment should be selected for particular use intended for this material. An available eyewash station recommended.

<b>Skin Protection:</b>	Skin contact should be minimized through use of appropriate long sleeved clothing (i.e., shirts and pants). Consideration must be given both to durability as well as permeation resistance. USDA acceptable Nitrile (CFR-20) or neoprene rubber (CFR-21) gloves are recommended.
<b>Work Practice Controls:</b>	Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material.

1. Do not store, use, and/or consume food, beverages, tobacco products, or cosmetics in area where this material is stored.
2. Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
3. Wash exposed skin promptly to remove accidental splashes of contact with this material.

### Section 9: Physical and Chemical Properties

Physical and chemical properties here represent typical properties of this product. Contact the business area using the Product Information phone number in Section 1 for exact specifications.

<b>Physical Appearance:</b>	Clear to hazy viscous liquid
<b>Upper/lower flammability or explosive limits:</b>	Not established
<b>Odor:</b>	Mild aromatic odor
<b>Vapor Pressure:</b>	< 0.01 mmHg @ 25° C (77° F)
<b>Odor threshold:</b>	Not available
<b>Vapor Density:</b>	> 1
<b>pH:</b>	5.0 – 7.0
<b>Relative density:</b>	Not available
<b>Melting point/ freezing Point:</b>	Not established
<b>Water Solubility:</b>	Soluble
<b>Boiling Point:</b>	> 100°C
<b>Flash point:</b>	> 93°C (200°F)
<b>Evaporation rate:</b>	Not available

<b>Flammability (solid, gas):</b>	Not available
<b>Partition coefficient: n-octanol/water:</b>	Not available
<b>Auto-ignition temperature:</b>	Not available
<b>Decomposition temperature:</b>	Not available
<b>Viscosity:</b>	Not available
<b>Specific Gravity:</b>	1.00-1.02 g/ml @ 25° C
<b>Cloud Point:</b>	59.0 – 64.0° C

#### Section 10: Stability and Reactivity

**Chemical Stability:** This material is stable under normal handling and storage conditions described in Section 7.

**Conditions to be Avoided:** Heat, open flame, and spark.

**Materials/Chemicals to be Avoided:** Strong, oxidizing agents

**The following Hazardous Decomposition Products might be expected:**

**Decomposition Type:** Thermal                      Oxides of carbon and hydrogen

**Hazardous Polymerizations:**                      Will not occur

**Avoid the following to Inhibit Hazardous Polymerization**                      N/A

#### Section 11: Toxicological Information

##### Acute Eye Irritation:

Toxicological information and interpretation: No test data found for this product.

##### Acute Skin Irritation:

Toxicological Information and Interpretation: No test data found for this product.

##### Acute Dermal Toxicity:

Toxicological Information and Interpretation: No test data found for this product.



**Acute Respiratory Irritation:**

Toxicological Information and Interpretation: Not test data found for this product.

**Acute Inhalation Toxicity:**

Toxicological Information and Interpretation: No test data found for this product.

**Acute Oral Toxicity:**

Toxicological Information and Interpretation: No test data found for this product.

**Chronic Toxicity:**

Toxicological Information and Interpretation: This product does not contain any substances that are considered by OSHA, NTP, IARC or ACGIH to be “probable” or “suspected” human carcinogens.

**Section 12: Ecological Information**

**Ecotoxicity Information:** No data available.

**Environmental Fate Information:** No data available.

**Chemical/Physical Information:** No data available.

**Section 13: Disposal Considerations**

**Waste Disposal Method:** Chemical additions, processing or otherwise altering this material may make the waste management information in this SDS incomplete, inaccurate or inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.

**Section 14: Transport Information**

**Transportation Status:** The listed Transportation Classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.

**Section 15: Regulatory Information**

**Inventory Status:**

Inventory	Status
UNITED STATES	Y

(TSCA)

CANADA (DSL) Y

EUROPE P  
(EINECS/ELINCS)

AUSTRALIA (AICS) Y

JAPAN (MITI) Y

SOUTH KOREA Y  
(KECL)

Y: All ingredients are on the inventory.

E: All ingredients are on the inventory or exempt from listing.

P: One or more ingredients fall under the polymer exemption or are on the no longer polymer list. All other ingredients are on the inventory or exempt from listing.

N: Not determined or one or more ingredients are not on the inventory and are not exempt from listing.

#### **FEDERAL REGULATIONS:**

**Inventory Issues:** All functional components of this product are listed on the TSCA inventory.

#### **SARA Title III Hazard Classes:**

Fire Hazard	NO
Reactive Hazard	NO
Release of Pressure	NO
Acute Health Hazard	NO
Chronic Health Hazard	NO

#### **OTHER FEDERAL REGULATIONS:**

**FDA Status:** N/A

**FIFRA Status:** N/A

**STATE REGULATIONS:** This product may contain trace amounts of the following components that are regulated under California Proposition 65:

**Cancer Reprod. No Sig. Risk Lvl.**

**Ingredient List List (ug/day) RPI**

Dioxane Y N 30 ND



Ethylene Oxide Y Y 2 ND

Propylene Oxide Y N 3 ND

#### Section 16: Other Information

Date of SDS preparation: 4/23/15

##### Key Legend Information:

ACGIH	American Conference of Governmental Industrial Hygienists
OSHA	Occupational Safety and Health Administration
TLV	Threshold Limit Value
PEL	Permissible Exposure Limit
TWA	Time Weighted Average
STEL	Short-Term Exposure Limit
NTP	National Toxicology Program
IARC	International Agency for Research on Cancer
ND	Not determined

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