



SAFETY DATA SHEET

ProLiferate

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT IDENTIFIER: ProLiferate

RECOMMENDED USE: Agricultural/horticulture – Penetrating-humectant soil surfactant.

RECOMMENDED RESTRICTIONS: None known

COMPANY NAME: Integrated Agribusiness Professionals
7108 N. Fresno St., Suite 150
Fresno, CA 93720
Phone: 559-440-1980
www.iapros.com

24-HOUR EMERGENCY PHONE NUMBERS: CHEMTREC: US, Canada, Puerto Rico & Virgin Islands: 1-800-424-9300
International Maritime: 1+(703) 527-3887

2. HAZARDS IDENTIFICATION:

GHS Classification

Physical Hazards: Not classified

Health Hazards: Skin Contact – Category 2
Eye Contact – Category 2A

Environmental Hazards: Not classified

GHS Label Elements

Symbol: Exclamation mark



Signal Word: Warning

Hazard Statements: Causes eye irritation.
Causes skin irritation.

Precautionary Statements: Warning
Keep out of reach of children
Notice: Before using this product read the entire precautionary statement, product information, directions for use, first aid measures, handling and storage, and warranties and disclaimers.

First Aid Measures in Case of Contact:
Eye Contact: Do not rub eyes. Flush eyes with large amounts of water. If irritation persists consult a doctor.
Skin Contact: Remove contaminated clothing and shoes. Wash affected area and clothing with water. If redness develops consult physician.
If swallowed: Drink 1-2 glasses of water to dilute in stomach. Call physician to seek medical attention immediately. Do not induce vomiting.

Acute Health Hazards: There are no known acute health hazards at the recommended use dilution. Consult physician where prudent if overly exposed.

Health Hazards: There are no known health hazards with concentrate when using protective clothing. None at dilution.

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Carcinogens Under OSHA, ACGIH, NTP, IARC:

This product is not considered to be a carcinogen. Ethylene oxide in small amounts that might accumulate in headspace presents no significant exposure in ventilated area.

3. COMPOSITION/INFORMATION ON INGREDIENTS:

ProLiferate is a proprietary blend of surfactants and humectant designed to penetrate soil for the purposes of carrying moisture and hydrotropic agent(s) to the root zone of plants, prolonging availability of moisture and extending the time to wilting, thus reducing crop stress and irrigation frequency for water conservation.

Substance: This material fails to meet criteria of a substance.

Mixture: This material is a proprietary mixture of surfactants and humectant.

Surfactants: CAS No. None, Mixture, Wt % 10-35

Humectant: CAS No. None, Mixture, Wt % 10-35

This product may also be used as a soil amendment to carry nutrients and/or other chemicals into the soil and/or feeder-root zones.

4. FIRST AID MEASURES:

Notice: Before using this product read the entire precautionary statement, product information, directions of use, first aid measures, handling and storage, and warranties and disclaimers.

EYE CONTACT:	Flush Immediately with water. If wearing contact lenses, remove, flush gently with water. If redness fails to dissipate, consult physician.
SKIN CONTACT:	Simply rinse skin in running water. If clothing gets saturated with product, remove as soon as practical and shower. Rinse saturated clothing using extra rinse cycle in clothes washer, and then launder as normal.
INGESTION (IF SWALLOWED):	In the unusual case of swallowing a small amount of product, rinse mouth with water. Should discomfort be experienced, or should a large amount be swallowed, DO NOT INDUCE VOMITING. Call physician for recommendation, telling physician that a concentrated detergent solution has been swallowed.

Spillage: Spilled concentrate is very slippery and may foam slightly. Take care to avoid slipping and falling. **See Section 6.**

5. FIRE FIGHTING MEASURES:

Extinguishing Media: The product is not a fire hazard, yet combustible if water is completely evaporated. Extinguish burning residue with water or carbon dioxide.

Fire Hazard Classification (OSHA/NFPA): Product is noncombustible. Residue on evaporation will burn.

Unusual Fire and Explosion Hazards: None

Special Protective Equipment: Firemen should wear full protective clothing.

6. ACCIDENTAL RELEASE MEASURES:

Personal Precautions: Spilled concentrate is very slippery and may foam slightly. Take care to avoid slipping and falling. Stop the leak and ventilate the space. A viscous, combustible film will form on drying. Remove saturated clothing and wash contaminated skin with water until no longer slick to the touch.

Environmental Precautions: Stop the leak; if possible. Ventilate the space involved.

Clean up Procedures: Recover spillage if practical. If recovery is not feasible, cover with dry soil, sand or non-reactive absorbent and scoop into an appropriate chemical waste container. Place in any suitable container (plastic or metal) for recovery or disposal. After recovering spillage as given above, flush area with water spray until no longer slippery. For large spills, recover spilled material with a vacuum truck.

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7. HANDLING AND STORAGE:

Observe routine handling & storage procedures for concentrated chemicals, but no special handling, storage, or other special precautions required.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

Chemical: Occupational Exposure Limits

Surfactants: None established

Humectant: None established

The Following Controls are Recommended for Normal Use of this Product:

Engineering Controls: No special controls required for normal use.

Body Protection: None required.

Eye Protection: Chemical safety glasses recommended. Avoid face closeness to closure when opening.

Skin Protection: See Section 4. Rubber gloves recommended when handling concentrate.

Respiratory Protection: Not required under normal conditions in open area.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical Form:	Colorless to blue
Color:	Clear, colorless to blue
Odor:	Slightly pungent
pH:	Neutral
Evaporation Rate:	Water
Vapor Pressure (mm Hg):	Water
Vapor Density (Air=1):	Water
Cloud Point at 1% Solution:	>40 C (>100 F)
Boiling Point:	>100 C (>212 F)
Melting Point:	NA
Solubility in Water:	Completely miscible
Specific Gravity (H2O=1):	1.081
Percent Volatile (volume):	50% approximately
Exposure Limits:	None established by OSHA, ACGIH, or UCC
Flash Point:	None
Flammable Limits:	Not applicable

10. STABILITY AND REACTIVITY:

Stability: Stable

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Avoid evaporation in open container in high temperatures and direct sunlight.

Incompatibilities: None

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Hazardous Decomposition: None, other than in case of fire. Residue on evaporation is combustible, giving off carbon monoxide with incomplete combustion (**See Sections 5 & 6**).

11. TOXICOLOGICAL INFORMATION:

Very low if swallowed; harmful effects not anticipated, but LD50 not determined.
Acute inhalation toxicity LC50 not determined, but single, short term acute exposure not likely hazardous.

12. ECOLOGICAL INFORMATION:

ProLiferate is acutely non-toxic to aquatic organisms.
Concentrated material (by evaporation of product) is practically non-toxic to aquatic organisms: LD50/ED50/LL50 >>10mg/L in most sensitive species tested.
ProLiferate is not expected to present a hazard to the environment.

13. DISPOSAL CONSIDERATIONS:

For small quantities (less than 100 gallons): Disposal to municipal or industrial wastewater treatment plants is normally acceptable. Obtain approval from authorities before disposal. The product foams slightly when agitated, which may be a problem for sewage treatment plants. The product can be incinerated. Comply with all Federal, State and Local Regulations.

14. TRANSPORT INFORMATION:

Surfactant - Not DOT regulated.
Keep from freezing.

15. REGULATORY INFORMATION:

No regulatory information is known that is not covered elsewhere in this document

16. OTHER INFORMATION:

SDS Revision Date: November 17, 2021

Heavy Metals: Information regarding the contents and levels of metals in this product is available on the internet at:
<http://www.aapfco.org/metals.html>