

SAFETY DATA SHEET

SYL-TAC®

A BLEND OF MODIFIED VEGETABLE OIL CONCENTRATE
AND A SILICONE SURFACTANT



Section 1: Identification

Product identifier:

SYL-TAC®

Recommended use:

Additive for plant protection products.

Emergency contact during transportation:

CHEMTREC (800) 424-9300

Manufacturer:

Wilbur Ellis Company

P.O Box 16458

Fresno, CA 93755 U.S.A.

P: (415) 772-4000 F: (415) 772-4011

SDS contact information:

SDS@wilburellis.com

Section 2: Hazard(s) Identification

Pictograms:**Hazard classifications:**

Skin Damage/Irritation, Category 2

Eye Damage/Irritation, Category 2

Signal word:

Warning

Hazard statements:

Causes skin irritation. Causes serious eye irritation.

Precautionary statements:

Wash hands thoroughly after handling. Wear protective gloves. Wear eye and face protection.

Response statements:

IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it 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 attention.

Storage statements:

See SDS Section 7 for storage recommendations.

Disposal statements:

See SDS Section 13 for disposal recommendations.

Hazards not otherwise classified:

Not applicable.

Approximately 25% of this products composition consists of ingredient(s) with unknown toxicological effects.

Section 3: Composition/Information on Ingredients

| Chemical name | CAS # * | Wt. % * |
|--|---------|---------|
| Ethylated seed oil; 3-(3-hydroxypropyl)-heptamethyltrisiloxane, ethoxylated acetate; polyoxyethylene dioleate; Polyol alkyl ethoxylate | -- | 100 |

* Specific chemical identity(ies) and exact concentration(s) withheld as a trade secret.

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Section 4: First-Aid Measures

Inhalation:

Move person to fresh air and keep comfortable for breathing. If person is not breathing, call 911 or an ambulance immediately, and then give artificial respiration.

Skin contact:

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Eye contact:

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Delayed symptoms:

None known.

Ingestion:

Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by gently touching back of the throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

Acute symptoms:

Causes skin and eye irritation. May be harmful if ingested; nausea, diarrhea or vomiting. May cause respiratory tract irritation if inhaled in mist or aerosol form.

Indication of immediate medical attention or special treatment:

Trouble breathing, persisting skin or eye irritation, nausea or vomiting.

Section 5: Fire-Fighting Measures

Suitable extinguishing media:

Use water spray or other appropriate media for surrounding fire.

Unsuitable extinguishing media:

Do not use direct water stream on burning material.

Hazardous decomposition products:

May decompose to produce toxic fumes of carbon oxides, silicone oxides and formaldehyde.

Special protective equipment and precautions for fire fighters:

Wear self-contained breathing apparatus with full positive pressure face piece and appropriate protective clothing.

Section 6: Accidental Release Measures

Accidental release measures:

Spilled product may pose a high slip hazard. Avoid contact with skin, eyes, and clothing. Avoid inhaling mist/spray. For large spills, evacuate the area and notify emergency responders. See next sub-section for cleanup measures.

Cleanup measures:

Contain and absorb with an inert absorbent while wearing appropriate PPE as described in Section 8. Avoid discharge to the drain and environment. Place absorbed material in a clean, closed container for waste disposal. Wash area with water. See Section 13 for waste disposal recommendations.

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Section 7: Handling and Storage

Handling:

Avoid contact with skin, eyes, and clothing. Avoid generating and inhaling mist/spray. Wear protective clothing described in Section 8. Wash thoroughly after handling. Remove immediately contaminated clothing and PPE. Wash contaminated clothing before reuse.

Storage:

Do not contaminate water, food, or feed by storage or disposal. Store in a dry place away from heat, sparks or open flame. Do not store with incompatible materials like strong acids, strong bases, and strong oxidizing agents. Avoid prolonged storage. Protect from direct sunlight. Store at 5-40 °C for no more than 24 months to maintain product quality.

Section 8: Exposure Controls / Personal Protection

| Ingredient | OSHA 8hr PEL | NIOSH 10hr REL | NIOSH 15 min. ST | NIOSH IDLH |
|---|--------------|----------------|------------------|------------|
| <i>This product contains no ingredients with established exposure limits.</i> | | | | |

| | |
|--------------------------------|---|
| Ventilation: | Provide sufficient general and local ventilation to prevent the accumulation of vapors, spray, mists or aerosols. |
| Respiratory protection: | If ventilation is not adequate, use an air purifying respirator with organic vapor cartridge or supplied air. Inspect and test respiratory protection before use. |
| Skin protection: | Wear chemical resistant gloves and protective clothing. Inspect protective gloves and clothing before use. Do not use gloves or protective clothing that show signs of permeation or degradation. |
| Eye protection: | Wear safety glasses or goggles. When splashing is possible, wear a full face shield. Inspect eye and face protection before use. Do not use degraded eye or face protection. Maintain a safety shower and eye wash facility in the work area. |

Section 9: Physical and Chemical Properties

| | | | |
|-----------------------------|------------------|--------------------------|-----------------------------------|
| Auto-ignition temperature | N/E | Odor threshold | N/E |
| Boiling point | N/E | Partition coefficient | N/E |
| Color | Pale yellow | pH | N/E |
| Thermal decomposition temp. | N/E | Physical State | Liquid |
| Evaporation rate | N/E | Density | 0.933 g/cm ³ (@ 20 °C) |
| Flammability | N/E | Solubility in water | Soluble |
| Flash point | 96.1 °C (205 °F) | Upper flammability limit | N/E |
| Lower flammability limit | N/E | Vapor density | N/E |
| Melting/freezing point | N/E | Vapor pressure | N/E |
| Odor | Odorless | Viscosity | N/E |

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Section 10: Stability and Reactivity

Conditions to avoid:

Avoid all sources of ignition, e.g. heat, sparks, open flame. Avoid temperature extremes. Avoid prolonged exposure to extreme heat. Protect from direct sunlight.

Chemical stability:

Stable under normal storage and handling conditions.

Hazardous reactions:

None known.

Incompatible materials:

Strong acids and bases, strong oxidizing agents. Always jar test new combinations for compatibility prior to field mixing.

Hazardous decomposition products:

May decompose upon heating to produce toxic fumes of carbon oxides, silicone oxides and formaldehyde.

Section 11: Toxicological Information

| Ingredient | Toxicity value | Source |
|------------|--|---------------------------------------|
| SYL-TAC | Oral Rat LD ₅₀ >2,000 mg/kg | Estimate based on similar product(s). |
| | Inh. Rat LC ₅₀ No data | No data |
| | Dermal Rat LD ₅₀ >2,000 mg/kg | Estimate based on similar product(s). |
| | Rabbit skin – Irritating | Estimate based on similar product(s). |
| | Rabbit eye – Irritating | Estimate based on similar product(s). |

NTP: This product contains no ingredients identified by the NTP as a known, or anticipated carcinogen.

IARC: This product contains no ingredients identified by the IARC as a confirmed, possible or probable human carcinogen.

OSHA: This product contains no ingredients identified by OSHA as a carcinogen, or potential carcinogen.

Exposure Symptoms and Effects

Dermal: Causes skin irritation; red, dry skin.

Ocular: Causes eye irritation; red, watery, irritated eyes.

Inhalation: May cause respiratory irritation if inhaled in mist or aerosol form; coughing, wheezing, shortness of breath.

Oral: May be harmful if swallowed; nausea, diarrhea or vomiting.

Chronic health effects: Prolonged/repetitive skin contact may cause skin defatting, and/or skin irritation.

Delayed health effects: None known.

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Section 12: Ecological Information

| Ingredient | Toxicity value | Source |
|------------|---|---------------------------------------|
| SYL-TAC | LC ₅₀ Approx. 95 mg/l/96hr (Oncorhynchus mykiss) | Estimate based on similar product(s). |
| | EC ₅₀ >100 mg/l/48hr (Daphnia) | Estimate based on similar product(s). |

Ecotoxicity terrestrial:

No data.

Persistence and degradability:

No data.

Bioaccumulative potential:

No data.

Mobility in soil:

No information available on mobility in soil.

Other adverse effects:

See product label.

Section 13: Disposal Considerations

Waste handling and disposal:

Dispose of product in accordance with government waste management regulations. Contact your local treatment, storage and disposal facility or environmental regulatory agencies for guidance on acceptable disposal practices.

Section 14: Transportation Information

UN/NA number: Not regulated for transportation.

UN/NA proper shipping name: N/A

Transport hazard class(es): N/A

Packing group: N/A

Marine pollutant (Yes/No): No.

Transport in bulk: Not regulated for transportation.

Emergency response guide # (ERG #): N/A

Special precautions: N/A

Section 15: Regulatory Information

TSCA: All ingredients are listed on the TSCA Chemical Inventory or exempted.

CERCLA RQ: No ingredients listed.

EPCRA TPQ: No ingredients listed.

EPCRA Section 313: No ingredients listed.

FIFRA: This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. For questions regarding pesticide hazard communication, contact your local Wilbur Ellis Representative.

Proposition 65: No ingredients listed.

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Section 16: Other Information

SDS Legend:

CAS = Chemical Abstract Services registry number; CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act; GHS = Globally harmonized system of classification and labeling of chemicals; IARC = International Agency for Research on Cancer; mg/l = Milligrams per liter; mg/m³ = Milligrams per cubic meter; mmHg = Millimeters of mercury; SDS = (Material) Safety Data Sheet; N.O.S. = Not otherwise specified; NTP = National Toxicology Program; OSHA/PEL = Occupational Safety and Health Administration 8hr Permissible Exposure Limit; RQ = Reportable quantity; STOT = Specific Target Organ Toxin; STP = Standard conditions for temperature and pressure; TSCA = Toxic Substance Control Act; UN/NA = United Nations/North American.

Disclaimer:

This information was developed from information on the constituent materials. No warranty is expressed or implied regarding the completeness or continuing accuracy of the information contained herein, and Wilbur-Ellis disclaims all liability for reliance thereon. The user should satisfy himself that he has all current data relevant to his particular use.

Revision history:

13 March 2014 New SDS.