

# MATERIAL SAFETY DATA SHEET

STA-PUT™

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Issue Date: 1/02

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

### Chemical Product

STA-PUT™

Common Name: Drift retardant

Chemical Description: Aqueous solution of an acrylamide polymer and isopropanol.

TSCA/CAS No.: This product is a mixture — there is no specific CAS number.

### Manufactured For

Monterey Chemical Company

P. O. Box 35000

Fresno, CA 93745-5000

### Emergency Phone Numbers

Emergency Telephone: DAYS: (559) 499-2100 EVES.: (559) 431-7390

CHEMTREC (24-Hour Emergency Number): (800) 424-9300

EPA National Response Center: (800) 424-8802

## SECTION 2. HAZARDOUS INGREDIENTS

CHEMICAL	CAS NO.	%	TLV OR PEL	RQ (lbs)
Isopropanol	67-63-0	1-5%	TWA 400 ppm, STEL 500 ppm (ACGIH/TLV) 983 mg/m <sup>3</sup> , 1230 mg/m <sup>3</sup> (ACGIH/TLV) TWA 400 ppm, STEL 500 ppm (OSHA/PEL) 980 mg/m <sup>3</sup> , 1225 mg/m <sup>3</sup> (OSHA/PEL)	N.A.

\* N.A. - Not Available.

## SECTION 3. EMERGENCY/HAZARDS OVERVIEW

Milky, white liquid. Prolonged contact may cause irritation. Avoid contact with strong oxidizers (for example chlorine, peroxides, chromates, nitric acid, perchlorates, concentrated oxygen, permanganates) that can generate heat, fire, explosion and the release of toxic NO<sub>x</sub> fumes. Contain any liquid run-off. Not D.O.T. regulated.

HEALTH: 2 REACTIVITY: 0 FLAMMABILITY: 2 ENVIRONMENT: 1

(0 = Insignificant 1 = Slight 2 = Moderate 3 = High 4 = Extreme)

## SECTION 4. FIRST AID

Eyes: Flush immediately with water for at least 15 minutes. Do not rub eyes. Get immediate medical attention.

Skin: Wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. See a physician if skin becomes irritated.

Ingestion: If conscious and alert, administer water for dilution. Contact physician or Poison Control Center immediately. Do not induce vomiting unless directed by physician.

Inhalation: Move to fresh air. If breathing becomes difficult, call a physician.

SECTION 5.	FIRE AND EXPLOSION HAZARDS
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Flash Point:	120°F.
Test Method:	ASTM-D93
LEL Flammable Limits:	Not available.
UEL Flammable Limits:	Not available.
Autoignition Temperature:	Not pertinent.
Flammability Classification:	None.
Known Hazardous Products of Combustion:	CO, CO <sub>2</sub> , or NO <sub>x</sub> may be formed.
Properties that Initiate/Contribute to Intensity of Fire:	None.
Potential For Dust Explosion:	None.
Reactions that Release Flammable Gases or Vapors:	None.
Potential For Release of Flammable Vapors:	None.
Unusual Fire & Explosion Hazards:	May evolve nitrogen oxides under fire conditions.
Extinguishing Media:	Foam, CO <sub>2</sub> , dry chemical or extinguishing agent suitable for Class B fires. Use water to cool containers exposed to fire.
Special Firefighting Procedures:	Wear positive pressure, self-contained breathing apparatus and goggles. Avoid smoke inhalation. Contain any liquid runoff.

SECTION 6.	SPILLS AND LEAKS
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Spill Control and Recovery

- Small spills: Contain with absorbent material, such as clay, soil or any commercially available absorbent. Shovel reclaimed liquid and absorbent into recovery or salvage drums for disposal.
- Large spills: Dike to prevent further movement and reclaim into recovery or salvage drums or tank truck for disposal. For large indoor spills, evacuate employees and ventilate site. Those responsible for control and recovery should wear the protective equipment specified in Section 8. Keep the spill away from heat, sparks, flames and welding operations. Ventilate area and evacuate employees from exposure if the airborne concentration exceeds the TLV. See Section 2.

Disposal

If this product becomes a waste, it meets the criteria of a hazardous waste as defined under the Resources Conservation and Recovery Act (RCRA) 40 CFR 262. Hazardous Waste D001.

As a hazardous liquid waste, it must be solidified with stabilizing agents (such as sand, fly ash, or cement) so that no free liquid remains before disposal to a licensed industrial waste landfill. A hazardous liquid waste can also be incinerated in accordance with local, state and federal regulations.

SECTION 7.	STORAGE AND HANDLING
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- Storage: Store in plastic or stainless steel container in a cool, well-ventilated, dry place at temperatures above 40°F. Do not store near food or feeds. Do not stack pallets more than two (2) high.
- Transfer Equipment: Transfer product using chemical-resistant plastic or stainless steel tanks, pumps, valves, etc.
- Work/Hygienic Practices: Keep out of reach of children. Avoid contact with eyes, skin and clothing. Avoid inhalation of spray mists. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

**SECTION 8. PERSONAL PROTECTIVE EQUIPMENT**

Eyes:	Chemical dust/splash goggles or full-face shield to prevent eye contact. As a general rule, do not wear contact lenses when handling.
Skin:	Impervious gloves and clothes.
Respiratory:	Not normally needed. If use generates an aerosol mist or respiratory irritation, use NIOSH-approved dust/mist respirator (such as 3M #8710).
Ventilation:	Recommended. See TLV listed in Section 2.

**SECTION 9. PHYSICAL AND CHEMICAL DATA**

Appearance:	Milky white liquid.
Odor:	Mild petroleum odor.
pH:	7 - 8
Vapor Pressure:	Not available.
Vapor Density (Air = 1):	Not available.
Boiling Point:	100°C (212°F)
Freezing Point:	Not available.
Water Solubility:	Completely soluble.
Density:	8.4 - 8.7 lbs./gal.
Evaporation Rate:	Not available.
Viscosity:	1500 - 2000 cps.
% Volatile:	Not available.
Octanol/Water Partition Coefficient:	Not available.
Saturated Vapor Concentration:	Not available.

**SECTION 10. STABILITY AND REACTIVITY**

Stability:	Stable.
Conditions To Avoid:	Do not mix with strong oxidizers. May release toxic fumes.
Incompatibility:	Strong oxidizers.
Hazardous Decomposition Products:	Burning may result in formation of carbon oxides and/or nitrogen oxides.
Hazardous Polymerization:	Will not occur.

**SECTION 11. POTENTIAL HEALTH EFFECTS**Acute Effects:

Eyes:	Mild irritant. May cause redness and/or burning.
Skin:	Mild irritant, especially from prolonged exposure. Causes redness, drying and cracking.
Ingestion:	Not available.
Inhalation:	Aerosol mist or vapor may cause nausea, dizziness, light-headedness, vomiting or unconsciousness depending on the length of exposure. May cause narcosis.

Subchronic Effects: Not available.

Chronic Effects: Prolonged skin contact of isopropanol can cause dry skin and defatting resulting in irritation and dermatitis.

**SECTION 12. ECOLOGICAL INFORMATION**

Algal/Lemna Growth Inhibition:	Not known.
Toxicity to Fish and Invertebrates:	Based on a 1% solution of a similar product, it is essentially non-toxic to rainbow trout (96 hr. LC <sub>50</sub> > 1000 mg/L) and sheepshead minnow (96 hr. LC <sub>50</sub> > 1000 mg/L); Slightly toxic to mysid shrimp (96 hr. LC <sub>50</sub> = 400 mg/L) and Daphnia (48 hr. LC <sub>50</sub> = 280 mg/L).
Toxicity to Plants:	Not known.
Toxicity in Birds:	Not known.

**SECTION 13. DISPOSAL**

Do not contaminate lakes, streams, ponds, estuaries, oceans or other waters by discharge of waste effluents or equipment washwaters. Dispose of waste effluents according to state and local regulations. Also, chemical additions or other alterations of this product may invalidate any disposal information in this MSDS. Therefore, consult local waste regulators for proper disposal. Do not discharge.

**SECTION 14. TRANSPORTATION**

D.O.T. Proper Shipping Description:	<u>Ground transport (motor freight or rail):</u> Not applicable for non-bulk packaging [See 49 CFR 173.150(f)(2)]. <u>Air / Water transport:</u> Flammable Liquid, N.O.S. (Isopropanol), 3, UN1993, PG III.
Other Shipping Description:	Adhesives, Adjuvants, Spreaders or Stickers, Liquid. (NMFC Item 4612, LTL Class 60)

**SECTION 15. REGULATORY INFORMATION**

CERCLA: None.

SARA TITLE III, Section 313 Toxic Chemicals: Isopropyl alcohol (1-5%).

PROPOSITION 65 (CA): None.

**SECTION 16. OTHER**

All information appearing in this document was based on data provided by third party sources and was compiled to comply with the Federal Hazard Communication Standard and the California Hazardous Substances Information and Training Act. The information is believed to be accurate as of the preparation date, but is not warranted as being the final authority in the use of this product. This information does not purport to be legal or medical advice.