

MATERIAL SAFETY DATA SHEET

THE HALLSTAR COMPANY

Section 1 - Identification of Substance and Company

Product Name: SolaStay® S₁

Product Code: H044

Chemical Name: 2-Propenoic acid, 2-cyano-3-(4-methoxyphenyl)-3-phenyl-, 2-ethylhexyl ester

Supplier: The HallStar Company⁽¹⁾
120 South Riverside Plaza, Suite 1620
Chicago, IL 60606 Ph: (877) 427-4255
USA
customerservice@hallstar.com

HMIS
Health: 1
Flammability: 1
Reactivity: 0
Gloves & Safety Glasses

Emergency: CHEMTREC - (800) 424-9300

Section 2 - Information on Ingredients

Chemical Name

2-Propenoic acid, 2-cyano-3-(4-methoxyphenyl)-3-phenyl-,
2-ethylhexyl ester

CAS #

947753-66-4

This product is intended for only for use in cosmetic applications that are regulated by the Food and Drug Administration of the United States.

This product is not listed on the Toxic Substances Control Act of the United States.

Section 3 - Hazard Identification

Light yellow, mild characteristic

Potential Health Effects

Skin Contact: Non-Irritating

Eye Contact: May be slightly irritating to susceptible persons.

Ingestion: Not considered a hazard under normal use conditions.

Inhalation: Not considered a hazard under normal use conditions.

Section 4 - First Aid Measures

Skin Contact: Wash affected skin with soap and water.

Eye Contact: Flush eyes with large amounts of water for at least 15 minutes. If irritation persists, consult a physician.

Ingestion: Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk. Seek medical advice.

Inhalation: Person should be moved to a fresh air environment.

Section 5 - Explosion and Fire-Fighting Measures

Extinguishing Media: CO₂, Dry Chemical, Water Fog

Special Fire-Fighting Procedures: A MSHA/NIOSH approved self-contained breathing apparatus should be worn.

Unusual Fire and Explosion Hazards: None

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Section 6 - Accidental Release/Spill Procedures

Steps to be Taken in Case Material is Released or Spilled: Dike and contain the spill with inert material (i.e., sand, earth, sawdust) and transfer liquid and solid diking material to separate containers for recovery or disposal. Wash floor area with hot water solution. Remove contaminated clothing and wash before reuse. Wash affected skin areas with soap and water. Keep spills out of all sewers and bodies of water.

Section 7 - Handling and Storage

Any use of this product in an elevated temperature process, should be evaluated to establish and maintain safe operating procedures.

Containers should be kept tightly closed and stored in a dry well-ventilated place out of sunlight.

Section 8 - Personal Protection

Hand Protection: Impervious gloves

Respiratory Protection: None required for normal operation.

Eye Protection: Safety glasses

Engineering Measures: For normal operation, local exhaust ventilation should suffice. Direct exhaust when material becomes heated and vapors are given off.

Other: Eyewash facility in vicinity.

Section 9 - Physical and Chemical Properties

Pour Point:	2° C (35° F)	Specific Gravity:	1.08
Flash Point (COC):	251°C (483° F)	Evaporation Rate:	N/A
Boiling Point:	373° - 421° C (703° - 789° F)	Solubility in Water:	None
Vapor Pressure (25°C):	2.5 x 10 ⁻⁸ Pa	Water Solubility:	Insoluble
Autoignition Temperature:	None below 400° C		

Appearance and Odor: Light yellow, mild characteristic

Section 10 - Stability and Reactivity

Stability: This product is stable under normal conditions.

Conditions to Avoid: Strong oxidizing agents.

Hazardous Polymerization: Will not occur under normal circumstances.

Hazardous Decomposition Products: Carbon dioxide, carbon monoxide

Section 11 - Toxicological Information

Hens Egg Test on Chorioallantoic membrane (HET-CAM): Under the conditions of this test, SolaStay® S₁, at 20% concentration, has practically no ocular irritation potential in vivo.

Repeated Insult Patch Test (RIPT-Humans): Under the conditions of this study, SolaStay® S₁ did not indicate a potential for dermal irritation or allergic contact sensitization.

Clinical Phototoxicity Test (Humans): Under the conditions of this study, SolaStay® S₁ did not induce a response indicative of a phototoxic reaction.

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Ames Test: Under the conditions of this study, SolaStay® S1 did not produce any detectable genotoxic activity at the concentrations of 5.0, 1.0, 0.5, 0.1 and 0.05 mg/plate in the absence or presence of S9 enzyme activation.

Results Below Based on a Chemically Similar Substance

Skin Irritation: Non-Irritant
Eye Irritation: Non-Irritant
Skin Sensitization (LLNA in Mouse): Non-Sensitizer
Acute Oral Toxicity (Wistar Strain Rat): LD₅₀ > 2000 mg/kg bw

Section 12 - Ecological Information

Biodegradation (OECD No. 301B): Not readily biodegradable.
Algal Growth Inhibition Test – *Desmodesmus subspicatus*: EC₅₀ = > 0.013 mg/l
NOEC = 0.013 mg/l
Acute Toxicity - *Daphnia Magna*: 21 day EC₅₀ = >0.016 mg/l
NOEC = 0.0048 mg/l
LOEC = 0.016 mg/l

This product does not contain any ozone depleting compounds (ODC's).

Section 13 - Disposal Considerations

Waste Disposal Methods: Material should be disposed of in accordance to current local and national regulations. Contacting a waste disposal service is recommended.

Section 14 - Transport Information

Not classified as hazardous according to the Department of Transportation.

Section 15 - Regulatory Information

Toxic Substances Control Act (TSCA): This product is intended for use in applications regulated by the Food and Drug Administration in the United States. It is not listed on the TSCA Inventory.

Superfund Amendments and Reauthorization Act (SARA): This product has the following hazards as defined in Section 311/312 of 40 CFR Part 372:

Hazards
None

This product contains the following chemicals subject to the reporting requirements of Section 313 or Title III of SARA and 40 CFR Part 372:

Ingredients
None

Product Name: SolaStay® S₁

Section 16 - Other Information

Prepared By: AAC

Revision Date: 02/10-1
Updated Tox/Eco
Supersedes: 02/10

All information is presented in good faith using available information. The HallStar Company makes no representation of the accuracy or completeness of the information. The user should consider this information as a supplement to other information that may be available. User should also determine suitability of information in their situation to determine proper use and disposal, protection of persons and the environment.

(1) Affiliated companies include RTD*HallStar Inc., HallStar Solutions Corp., Ester Solutions Company, Memphis Solutions Company and Marine Magnesium & Minerals Company.