

Issue Date 06-Apr-2017

Revision Date 09-Jul-2018

Version 3

## 1. IDENTIFICATION

**Product identifier**

**Product Name** SolaStay® S1

**Other means of identification**

**Product Code** H044

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

**Recommended use of the chemical and restrictions on use**

**Recommended Use** No information available.

**Details of the supplier of the safety data sheet**

**Manufacturer Address**

The Hallstar Company  
120 S. Riverside Plaza, Suite 1620  
Chicago, IL 60606  
Telephone: (877) 427-4255

**Emergency telephone number**

**Company Phone Number** (708) 594-5999  
**Emergency Telephone** Chemtrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

**Classification**

**OSHA Regulatory Status**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

**Label elements**

**Emergency Overview**

**Appearance** light amber      **Physical state** liquid      **Odor** mild characteristic odor

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance**

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

Chemical Name	CAS No	Weight-%	Trade Secret
Ethylhexyl Methoxycrylene	947753-66-4	100	*

If CAS number is "proprietary", the specific chemical identity and percentage of composition has been withheld as a trade secret.

## 4. FIRST AID MEASURES

**Description of first aid measures**

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<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin contact</b>	Wash skin with soap and water.
<b>Inhalation</b>	Remove to fresh air.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water.

## 5. FIRE-FIGHTING MEASURES

### Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### Specific hazards arising from the chemical

No information available.

### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Ensure adequate ventilation, especially in confined areas.

### Environmental precautions

**Environmental precautions** See Section 12 for additional Ecological Information.

### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible materials** None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

**Exposure Guidelines** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Engineering Controls**  
Showers  
Eyewash stations  
Ventilation systems.

### Individual protection measures, such as personal protective equipment

<b>Eye/face protection</b>	No special technical protective measures are necessary.
<b>Skin and body protection</b>	No special technical protective measures are necessary.
<b>Respiratory protection</b>	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical state</b>	liquid	<b>Odor</b>	mild characteristic odor
<b>Appearance</b>	light amber	<b>Odor threshold</b>	No information available
<b>Color</b>	light amber		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	No information available	
<b>Melting point / freezing point</b>	No information available	
<b>Boiling point / boiling range</b>	646-694 K	
<b>Flash point</b>	251 °C	
<b>Evaporation rate</b>	No information available	
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limit in Air</b>		
<b>Upper flammability limit:</b>	No information available	
<b>Lower flammability limit:</b>	No information available	
<b>Vapor pressure</b>	2.5 x 10 <sup>-8</sup> Pa	
<b>Vapor density</b>	No information available	
<b>Relative density</b>	1.08 @ 20.0 ± 0.5 °C	
<b>Water solubility</b>	No information available	
<b>Solubility in other solvents</b>	insoluble	
<b>Partition coefficient</b>	No information available	

### Other Information

<b>VOC Content (%)</b>	No information available
<b>Density</b>	No information available
<b>Bulk density</b>	No information available
<b>Volatility</b>	No information available

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available

### Chemical stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to avoid

Extremes of temperature and direct sunlight.

### Incompatible materials

None known based on information supplied.

**Hazardous Decomposition Products**

None known based on information supplied.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

<b>Product Information</b>	No data available
<b>Inhalation</b>	No data available.
<b>Eye contact</b>	No data available.
<b>Skin contact</b>	LD50 (rat): >2000 mg/kg. The test material did not induce a response indicative of a phototoxic reaction in humans.
<b>Ingestion</b>	LD50 (rat) was estimated to be greater than 2000 mg/kg bodyweight (Globally Harmonised Classification System - Unclassified).

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Skin corrosion/irritation</b>	The test material did not indicate a potential for dermal irritation or allergic contact sensitization under the conditions of the test.
<b>Serious eye damage/eye irritation</b>	The test material produced a maximum group mean score of 11.0 and was classified as a minimal irritant (Class 3 on a 1 to 8 scale) to the rabbit eye according to the Kay and Calandra classification system.
<b>Sensitization</b>	The test material was considered to be a non-sensitizer under the conditions of the test.
<b>Germ cell mutagenicity</b>	The test material was non-mutagenic under the conditions of the test.
<b>Carcinogenicity</b>	No information available.
<b>Reproductive toxicity</b>	No treatment-related effects were detected on mating performance or fertility in parental animals and no significant effects were detected in the F1 offspring. NOEL: 1000 mg/kg/day.
<b>STOT - repeated exposure</b>	The oral administration of undecenyl methoxycrylene to rats by gavage at a maximum dose level of 1000 mg/kg/day did not result in any toxicologically significant effects of treatment. The minor effects detected in this study were not considered to represent an adverse effect of treatment. NOAEL: 1000 mg/kg/day for systemic toxicity.

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Not readily biodegradable; Algal Growth Inhibition Test (Desmodesmus subspicatus) EC50  $\geq$  0.013 mg/l, NOEC = 0.013 mg/l. Acute Toxicity (Daphnia magna) 21 day EC50  $\geq$  0.016 mg/l, NOEC = 0.0048 mg/l, LOEC = 0.016 mg/l

**Persistence and degradability**

PHOTOTRANSFORMATION IN AIREPIWIN AOP Program indicates that the test substance will undergo hydroxyl radical induced photodegradation in the atmosphere with a half-life estimated at 0.268 days or 3.212 hours. BIODEGRADATION IN WATER: The test material attained 4% degradation after 28 days and therefore cannot be considered to be readily biodegradable under the conditions of the OECD Guideline No. 301B.

**Bioaccumulation**

No information available.

**Other adverse effects** No information available

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods**

<b>Disposal of wastes</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated packaging</b>	Do not reuse container.

#### 14. TRANSPORT INFORMATION

<b><u>DOT</u></b>	Not regulated
<b><u>ICAO (air)</u></b>	Not regulated
<b><u>IMDG</u></b>	Not regulated

#### 15. REGULATORY INFORMATION

##### **International Inventories**

<b>TSCA</b>	Complies
<b>DSL/NDSL</b>	-
<b>EINECS/ELINCS</b>	Complies
<b>ENCS</b>	-
<b>IECSC</b>	Complies
<b>KECL</b>	-
<b>PICCS</b>	-
<b>AICS</b>	Complies

##### **Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

##### **US Federal Regulations**

###### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

###### **SARA 311/312 Hazard Categories**

<b>Acute health hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire hazard</b>	No
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

###### **CWA (Clean Water Act)**

###### **CERCLA**

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations****16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

**Issue Date** 06-Apr-2017

**Revision Date** 09-Jul-2018

**Revision Note**

No information available

**Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**