

# SAFETY DATA SHEET

## 1. Identification

**Product identifier:** BLUESIL VICURE 2

**Other means of identification**

**Synonyms:** RHODORSIL VICURE 2

**Recommended use and restriction on use**

**Recommended use:** Catalyst  
**Restrictions on use:** None known.



**Manufacturer/Importer/Supplier/Distributor Information**

**Supplier**

**Company Name:** Elkem Silicones USA Corp.  
**Address:** Two Tower Blvd, Suite 1601  
 08816-1100 East Brunswick, NJ  
**Telephone:** +1 (732) 227-2060  
**Fax:** +1 (732) 249-7000

**Emergency telephone number:** +1 (800) 424-9300 CHEMTREC

## 2. Hazard(s) identification

**Hazard Classification**

**Health Hazards**

Serious Eye Damage/Eye Irritation	Category 1
Skin sensitizer	Category 1
Toxic to reproduction	Category 2

**Environmental Hazards**

Acute hazards to the aquatic environment	Category 3
Chronic hazards to the aquatic environment	Category 3

**Label Elements**

**Hazard Symbol:**



**Signal Word:** Danger

**Hazard Statement:** May cause an allergic skin reaction.  
 Causes serious eye damage.  
 Suspected of damaging fertility or the unborn child.  
 Harmful to aquatic life with long lasting effects.

**Precautionary Statements**

- Prevention:** Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment.
- Response:** IF ON SKIN: Wash with plenty of water/... IF IN EYES: Rinse cautiously with water for several minutes. Get immediate medical advice/attention.
- Storage:** Store in a well-ventilated place.
- Disposal:** Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Other hazards which do not result in GHS classification:** No data available.

**3. Composition/information on ingredients**

**Mixtures**

Chemical Identity	CAS number	Content in percent (%)*
Hexanoic acid, 2-ethyl-, tin(2+) salt (2:1)	301-10-0	85 - 100%
2-Ethylhexanoic acid	149-57-5	3 - 7%

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

**Composition Comments:** Silicone curing agent

**4. First-aid measures**

- General information:** For further information refer to section 8 "Exposure-controls/personal protection".
- Ingestion:** Do not induce vomiting. Rinse mouth thoroughly. Get medical attention immediately.
- Inhalation:** Move to fresh air. If breathing is difficult, give oxygen. If breathing stops, provide artificial respiration. Get medical attention if any discomfort continues.
- Skin Contact:** Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if symptoms occur. Wash contaminated clothing before reuse. Destroy or thoroughly clean contaminated shoes.
- Eye contact:** Immediately rinse with water. Continue to rinse for at least 15 minutes. Get medical attention immediately.

**Most important symptoms/effects, acute and delayed**

- Symptoms:** None known.
- Hazards:** No specific recommendations.

**Indication of immediate medical attention and special treatment needed**

**Treatment:** No specific recommendations.

### 5. Fire-fighting measures

**General Fire Hazards:** No specific recommendations.

**Suitable (and unsuitable) extinguishing media**

**Suitable extinguishing media:** Dry chemical, alcohol resistant foam or carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media:** None known.

**Specific hazards arising from the chemical:** Hazardous Decomposition Products : oxides of carbon and tin.

**Special protective equipment and precautions for firefighters**

**Special fire fighting procedures:** Water spray should be used to cool containers.

**Special protective equipment for fire-fighters:** Firefighters should wear standard protective equipment and a positive pressure self-contained breathing apparatus (SCBA). and full protective clothing.

### 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** Use personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment.

**Methods and material for containment and cleaning up:** Absorb with sand or other inert absorbent and place into containers.

**Notification Procedures:** For waste disposal, see Section 13 of the SDS.

**Environmental Precautions:** Do not allow to enter drains, sewers or watercourses.

### 7. Handling and storage

**Precautions for safe handling:** Provide adequate ventilation if fumes or vapors are generated. See Section 8 of the SDS for Personal Protective Equipment. For further information, refer to Section 10: "Stability and Reactivity".

**Conditions for safe storage, including any incompatibilities:** Store in tightly closed original container in a dry, cool and well-ventilated place. Protect against direct sunlight.

### 8. Exposure controls/personal protection

**Control Parameters**

**Occupational Exposure Limits**

Chemical Identity	Type	Exposure Limit Values	Source



Hexanoic acid, 2-ethyl-, tin(2+) salt (2:1) - as Sn	TWA	2 mg/m <sup>3</sup>	US. ACGIH Threshold Limit Values (01 2010)
	TWA	0.1 mg/m <sup>3</sup>	US. ACGIH Threshold Limit Values (01 2010)
	STEL	0.2 mg/m <sup>3</sup>	US. ACGIH Threshold Limit Values (01 2010)
	REL	0.1 mg/m <sup>3</sup>	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	REL	2 mg/m <sup>3</sup>	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	PEL	2 mg/m <sup>3</sup>	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	PEL	0.1 mg/m <sup>3</sup>	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	2 mg/m <sup>3</sup>	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA	0.1 mg/m <sup>3</sup>	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA	2 mg/m <sup>3</sup>	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	TWA	0.1 mg/m <sup>3</sup>	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
Hexanoic acid, 2-ethyl-, tin(2+) salt (2:1)	AN ESL	0.1 µg/m <sup>3</sup>	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2009)
	ST ESL	1 µg/m <sup>3</sup>	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2009)
Hexanoic acid, 2-ethyl-, tin(2+) salt (2:1) - as Sn	TWA PEL	0.1 mg/m <sup>3</sup>	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
	STEL	0.2 mg/m <sup>3</sup>	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
2-Ethylhexanoic acid - Inhalable fraction and vapor.	TWA	5 mg/m <sup>3</sup>	US. ACGIH Threshold Limit Values (01 2010)
2-Ethylhexanoic acid	ST ESL	250 µg/m <sup>3</sup>	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2009)
	AN ESL	25 µg/m <sup>3</sup>	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2009)

**Appropriate Engineering Controls**

Adequate ventilation should be provided so that exposure limits are not exceeded.

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

- General information:** Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist.
- Eye/face protection:** Wear approved chemical safety glasses with side shields or goggles.
- Skin Protection**
- Hand Protection:** Protective gloves are recommended.
- Other:** Wear appropriate clothing to prevent any possibility of skin contact.
- Respiratory Protection:** If ventilation is insufficient, suitable respiratory protection must be provided. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to fumes at levels exceeding the exposure limits.
- Hygiene measures:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**9. Physical and chemical properties**

## 9.1 Information on basic physical and chemical properties:

### Appearance

Physical state:	Liquid
Form:	Mobile
Color:	Dark yellow
Odor:	Characteristic
Odor threshold:	No data available.
pH:	Not applicable
Freezing point:	< -13 °F (-25 °C)
Boiling Point:	> 392 °F (200 °C)
Flash Point:	> 288 °F (142 °C) (Pensky-Martens Closed Cup)
Evaporation rate:	No data available.
Flammability (solid, gas):	No data available.
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	No data available.
Relative density:	1.2 - 1.3 (77 °F (25 °C))
Solubility(ies)	
Solubility in water:	Insoluble in water
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	Approximate 250 mm <sup>2</sup> /s (68 °F (20 °C))

## 10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Stable.
Possibility of hazardous reactions:	Will not occur.
Conditions to avoid:	Protect against direct sunlight.
Incompatible Materials:	Strong oxidizers, strong acids, and strong bases.
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate oxides of carbon and tin.

## 11. Toxicological information

### Information on likely routes of exposure

Ingestion:	No data available.
Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.

### Symptoms related to the physical, chemical and toxicological characteristics

<b>Ingestion:</b>	No data available.
<b>Inhalation:</b>	No data available.
<b>Skin Contact:</b>	No data available.
<b>Eye contact:</b>	No data available.

### Information on toxicological effects

#### Acute toxicity (list all possible routes of exposure)

<b>Oral</b>	
<b>Product:</b>	ATEmix: 3,640 mg/kg
<b>Dermal</b>	
<b>Product:</b>	ATEmix: 2,000 mg/kg
<b>Inhalation</b>	
<b>Product:</b>	No data available.
<b>Specified substance(s):</b>	
2-Ethylhexanoic acid	LC 0 (Rat, 8 h): 0.11 mg/l

#### Repeated dose toxicity

<b>Product:</b>	No data available.
<b>Specified substance(s):</b>	
2-Ethylhexanoic acid	NOAEL (Rat(Female, Male), Feed (Oral)): 300 mg/kg

#### Skin Corrosion/Irritation

<b>Product:</b>	No data available.
<b>Specified substance(s):</b>	
2-Ethylhexanoic acid	OECD 404 (Rabbit): Slightly irritating.

#### Serious Eye Damage/Eye Irritation

<b>Product:</b>	No data available.
-----------------	--------------------

#### Respiratory or Skin Sensitization

<b>Product:</b>	No data available.
<b>Specified substance(s):</b>	
2-Ethylhexanoic acid	, OECD 406 (Guinea Pig)Not a skin sensitizer.

#### Carcinogenicity

<b>Product:</b>	No data available.
-----------------	--------------------



**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

No carcinogenic components identified

**US. National Toxicology Program (NTP) Report on Carcinogens:**

No carcinogenic components identified

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):**

No carcinogenic components identified

**Germ Cell Mutagenicity**

**In vitro**

**Product:** No data available.

**Specified substance(s):**

2-Ethylhexanoic acid Bacteria (OECD 471): No mutagenic effects.  
Chromosomal aberration (OECD 473): No clastogenic effect.  
(OECD 476)No mutagenic effects.

**In vivo**

**Product:** No data available.

**Specified substance(s):**

2-Ethylhexanoic acid (OECD 474) Oral (Mouse)No mutagenic effects.

**Reproductive toxicity**

**Product:** No data available.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.

**Specified substance(s):**

2-Ethylhexanoic acid Not classified

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Specified substance(s):**

2-Ethylhexanoic acid Not classified

**Aspiration Hazard**

**Product:** No data available.

**Other effects:** No data available.

**12. Ecological information**

**Ecotoxicity:**

**Acute hazards to the aquatic environment:**

**Fish**

**Product:** No data available.

**Specified substance(s):**

2-Ethylhexanoic acid LC 50 (Oryzias latipes, 96 h): > 100 mg/l Results obtained on a similar product.

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s):**

2-Ethylhexanoic acid EC 50 (Water flea (Daphnia magna), 48 h): 910 mg/l Results obtained on a similar product.

**Chronic hazards to the aquatic environment:****Fish**

**Product:** No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s):**

2-Ethylhexanoic acid NOEC (Water flea (Daphnia magna), 21 d): 18 mg/l Results obtained on a similar product.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Specified substance(s):**

2-Ethylhexanoic acid EC 50 (Green algae (Scenedesmus subspicatus), 72 h): 49.3 mg/l  
EC10 (Green algae (Scenedesmus subspicatus), 72 h): 32 mg/l

**Persistence and Degradability****Biodegradation**

**Product:** No data available.

**Specified substance(s):**

2-Ethylhexanoic acid 99 % (28 d, OECD 301 E) Readily biodegradable

**BOD/COD Ratio**

**Product:** No data available.

**Bioaccumulative potential****Bioconcentration Factor (BCF)**

**Product:** No data available.

**Partition Coefficient n-octanol / water (log Kow)**

**Product:** No data available.

**Specified substance(s):**

2-Ethylhexanoic acid Log Kow: 2.7 25 °C (OECD 107)

**Mobility in soil:**

No data available.

**Known or predicted distribution to environmental compartments**

2-Ethylhexanoic acid No data available.  
No data available.

**Other adverse effects:**

No data available.



### 13. Disposal considerations

**Disposal instructions:** Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Contaminated packages should be as empty as possible.

### 14. Transport information

This material is not subject to transport regulations.

**Environmental hazards:** Not regulated.

**Special precautions for user:** No special precautions.

### 15. Regulatory information

#### US Federal Regulations

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**  
None present or none present in regulated quantities.

**CERCLA Hazardous Substance List (40 CFR 302.4):**  
None present or none present in regulated quantities.

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

##### Hazard categories

Acute (Immediate)  Chronic (Delayed)  Fire  Reactive  Pressure Generating

**SARA 302 Extremely Hazardous Substance**  
None present or none present in regulated quantities.

**SARA 304 Emergency Release Notification**  
None present or none present in regulated quantities.

**SARA 313 (TRI Reporting)**  
None present or none present in regulated quantities.

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**  
None present or none present in regulated quantities.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**  
None present or none present in regulated quantities.

#### US State Regulations

**US. California Proposition 65**  
This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

2-Ethylhexanoic acid      Developmental toxin.

**US. New Jersey Worker and Community Right-to-Know Act**

**Chemical Identity**

Hexanoic acid, 2-ethyl-, tin(2+) salt (2:1)

**US. Massachusetts RTK - Substance List**

No ingredient regulated by MA Right-to-Know Law present.

**US. Pennsylvania RTK - Hazardous Substances**

No ingredient regulated by PA Right-to-Know Law present.

**US. Rhode Island RTK**

No ingredient regulated by RI Right-to-Know Law present.

**Inventory Status:**

Australia AICS:	On or in compliance with the inventory.
Canada DSL Inventory List:	On or in compliance with the inventory.
EU EINECS List:	On or in compliance with the inventory.
Japan (ENCS) List:	On or in compliance with the inventory.
China Inv. Existing Chemical Substances:	On or in compliance with the inventory.
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory.
Philippines PICCS:	On or in compliance with the inventory.
US TSCA Inventory:	On or in compliance with the inventory.
New Zealand Inventory of Chemicals:	On or in compliance with the inventory.

**16. Other information, including date of preparation or last revision**

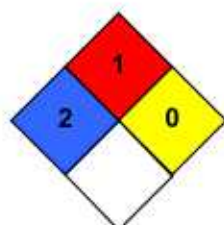
**HMIS Hazard ID**

<b>Health</b>	*	2
<b>Flammability</b>	1	
<b>Physical Hazards</b>	0	
<b>PERSONAL PROTECTION</b>		H

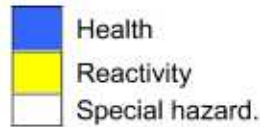
H - Goggles, Gloves, Apron & Vapor Respirator

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; \*Chronic health effect

**NFPA Hazard ID**



■ Flammability



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible

**Issue Date:** 10/03/2017

**Revision Date:** No data available.

**Version #:** 7.1

**Further Information:** No data available.

**Disclaimer:** The information given is based on data available for the material, the components of the material, and similar materials. The information is believed to be correct. It is given in good faith. This information should be used to make an independent determination of the methods to safeguard workers and the environment.