

**SAFETY DATA SHEET**

**SE60-2021 Silicone Emulsion**

Data Prepared: January 4, 2024



**Product Identifier**

Product name SE60-2021 Silicone Emulsion

**Other means of identification**

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

**Recommended Use** Additive. Intermediate. Printing process. Additive. Anti-set-off, anti-adhesive or release agent.  
**Uses advised against** No information available

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

Clearco Products Co, Inc.  
15 York Road  
Willow Grove, PA 19090  
U.S.A.  
Phone: 001 215 366-7860  
Email: [info@clearcoproducts.com](mailto:info@clearcoproducts.com)

**For further information, please contact**

**Contact Point** R&D  
**E-mail address** [info@clearcoproducts.com](mailto:info@clearcoproducts.com)

**Emergency telephone number**

**Emergency telephone** CHEM TEL: 1-800-255-3924 (DOMESTIC)  
+01-813-248-0585 (INTERNATIONAL)

**2. Hazards Identification**

**Classification**

**OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Serious eye damage/eye irritation	Category 1
Reproductive Toxicity	Category 2

**Label Elements**

**EMERGENCY OVERVIEW**

**DANGER**

**Hazard statements**

Causes serious eye damage  
Suspected of damaging fertility or the unborn child



**Appearance** No information available

**Physical State** Liquid

**Odor** characteristic

**Precautionary Statements - Prevention**

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Use personal protective equipment as required

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
Immediately call a POISON CENTER or doctor/physician

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

**OTHER INFORMATION**

• Harmful to aquatic life

**3. Composition/information on Ingredients**

Chemical name	CAS No	Weight-%	Trade secret
Isotridecanol, branched, ethoxylated	69011-36-5	1 - 5	*
Isotridecanol, branched, ethoxylated	69011-36-5	1 - 5	*
Octamethylcyclotetrasiloxane	556-67-2	0.1 - 1	*
Bronopol	52-51-7	<0.1	*
2-octyl-2H-isothiazol-3-one	26530-20-1	<0.1	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. First aid measures**

**FIRST AID MEASURES**

**General advice** Immediate medical attention is required.

**Eye Contact** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Immediate medical attention is required.

**Skin contact** Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Rub greasy ointment into the skin.

**Inhalation** Remove to fresh air.

**Ingestion** Clean mouth with water and drink afterwards plenty of water.

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

**Symptoms** allergic skin reaction. Causes serious eye damage.

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

**Note to physicians** Treat symptomatically.

**5. Fire-fighting measures****Suitable Extinguishing Media**

Use. Carbon dioxide (CO<sub>2</sub>). Extinguishing powder. Alcohol resistant foam. Cool containers with flooding quantities of water until well after fire is out.

**Unsuitable Extinguishing Media**

Do not use a solid water stream as it may scatter and spread fire.

**Specific extinguishing methods**

No information available.

**Hazardous combustion products** Carbon dioxide (CO<sub>2</sub>), Carbon monoxide, Nitrogen oxides (NO<sub>x</sub>), Formaldehyde.

**Protective equipment and precautions for firefighters**

Do not allow run-off from fire-fighting to enter drains or water courses.

**6. Accidental release measures****Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Special danger of slipping by leaking/spilling product. Ensure adequate ventilation, especially in confined areas. Do not breathe gas/fumes/vapor/spray. Evacuate personnel to safe 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** Soak up with inert absorbent material. Dam up. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly. Use personal protective equipment as required.

**7. Handling and Storage****Precautions for safe handling**

**Advice on safe handling** Ensure adequate ventilation, especially in confined areas. Do not breathe gas/fumes/vapor/spray. Use personal protective equipment as required. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Avoid contact with skin, eyes or clothing.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Never use pressure to empty; drum is not a pressure vessel.

**Incompatible Products**

Incompatible with oxidizing agents. Acids. Bases.

**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.

**Appropriate engineering controls****Engineering controls**

Eyewash stations.

**Individual protection measures, such as personal protective equipment****Eye/face Protection**

Tight sealing safety goggles.

**Skin and Body Protection**

Wear protective gloves and protective clothing.

**Respiratory protection**

Not applicable

**General hygiene considerations**

Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

**9. Physical and Chemical Properties****Information on basic physical and chemical properties****Physical State**

Liquid

**Appearance**

No information available

**Color**

white

**Odor**

characteristic

**Odor threshold**

No information available

**Property****Values****Remarks • Method****pH**

No information available

**Melting point/freezing point**

No information available

**Boiling point / boiling range**

approx. 100 °C / 212 °F

**Flash Point**

&gt; 100 °C / &gt; 212 °F

**Evaporation Rate**

No information available

**Flammability (solid, gas)**

No information available

**Flammability Limit in Air****Upper flammability limit:**

No data available

**Lower flammability limit:**

No data available

**Vapor pressure**

No data available

@ 20° C

**Vapor Density**

No information available

**Specific gravity**

approx. 0.982 g/cm3

@ 20°C

**Water solubility**

100.0 %

@ 20°C

**Solubility(ies)**

No information available

**Partition coefficient**

No information available

**Autoignition Temperature**

No information available

**Decomposition temperature**

No information available

**Kinematic viscosity**

No data available

@ 40 °C

**Dynamic viscosity**

No data available

@ 40 °C

**Explosive properties**

No information available

**Oxidizing properties**

No information available

**10. Stability and Reactivity****Reactivity**

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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 Products**

Incompatible with oxidizing agents. Acids. Bases.

**Hazardous decomposition products**

If this product is heated to > 150 °C, trace quantities of formaldehyde may be released, and adequate ventilation is required.

<b>11. Toxicological Information</b>
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**Information on likely routes of exposure**

**Acute Toxicity**

**Product Information**

Product does not present an acute toxicity hazard based on known or supplied information.

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

**Information on toxicological effects**

**Symptoms** No information available.

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

**Sensitization** No information available.

**Germ Cell Mutagenicity** No information available.

**Carcinogenicity** No information available.

**Reproductive Toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Aspiration Hazard** No information available.

**Numerical measures of toxicity - Product Information**

**Acute Toxicity**

<b>Chemical name</b>	<b>Oral LD50</b>	<b>Dermal LD50</b>	<b>Inhalation LC50</b>
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Isotridecanol, branched, ethoxylated 69011-36-5	> 5000 mg/kg (Rat)	> 2000 mg/kg (rabbit)	-
Isotridecanol, branched, ethoxylated 69011-36-5	> 300 - 2000 mg/kg (Rat)	> 2000 mg/kg (rabbit)	-
Bronopol 52-51-7	approx. 305 mg/kg (Rat OECD 401)	> 2000 mg/kg (Rat OECD 402)	> 0.588 mg/l (Rat 4 h)
2-octyl-2H-isothiazol-3-one 26530-20-1	= 550 mg/kg (Rat)	= 690 mg/kg (Rabbit)	-

## 12. Ecological Information

### Ecotoxicity

Harmful to aquatic life

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

### Product Information

#### Acute (short-term) algae toxicity

<b>EC50</b>	No information available
<b>EC0</b>	No information available
<b>IC50</b>	No information available
<b>IC0</b>	No information available
<b>ErC50</b>	No information available
<b>EbC50</b>	No information available

#### Acute (short-term) fish toxicity

<b>LC50</b>	No information available
<b>LC0</b>	No information available
<b>EC50</b>	No information available
<b>EC0</b>	No information available

#### Acute (short-term) aquatic invertebrate toxicity

<b>EC50</b>	No information available
<b>EC0</b>	No information available

#### Chronic (long-term) algae toxicity

<b>NOEC</b>	No information available
<b>LOEC</b>	No information available

#### Chronic (long-term) fish toxicity

<b>NOEC</b>	No information available
<b>LOEC</b>	No information available

#### Chronic (long-term) aquatic invertebrate toxicity

<b>NOEC</b>	No information available
<b>LOEC</b>	No information available

Chemical name	Algae/aquatic plants	Fish	Crustacea
Isotridecanol, branched, ethoxylated 69011-36-5	EC50: > 1 - 10 mg/l (Desmodesmus subspicatus 72h OECD 201); EC10: > 0.1 - 1 mg/l (72h)	LC50: > 1 - 10 mg/l (Cyprinus carpio 96h OECD 203); LC50: > 1 - 10 mg/l (Leuciscus idus 96h DIN 38412-15); NOEC: approx. 1.73 mg/l	EC50: > 1 -10 mg/l (Daphnia Magna 48h OECD 202); NOEC: approx. 1.36 mg/l (Daphnia magna 504h)
Isotridecanol, branched, ethoxylated	EC50: > 10 - 100 mg/l	LC50: > 10 - 100 mg/l (Cyprinus)	EC50: > 10 - 100 mg/l (daphnia)

69011-36-5	(Desmodesmus subspicatus 72h OECD 201); EC10: > 1 - 10 mg/l (Desmodesmus subspicatus 72h OECD 201)	carpio 96h OECD 203); LC50: > 10 - 100 mg/l (Leuciscus idus 96h)	magna 48h OECD 202 / DIN 38412-11); EC10: approx. 2.6 mg/l (Daphnia magna 504h OECD 211)
Bronopol 52-51-7	EC50: approx. 0.068 mg/l (72 h OECD 201); NOEC: approx. 0.0025 mg/l (72 h OECD 201)	LC50: approx. 3 mg/l (Oncorhynchus mykiss 96 h OECD 203); NOEC: approx. 2.61 mg/l (Oncorhynchus mykiss 504 h OECD 210)	EC50: approx. 1.04 mg/l (daphnia 48 h OECD 202); NOEC: approx. 0.06 mg/l (Daphnia 672 h OECD 211)
2-octyl-2H-isothiazol-3-one 26530-20-1	EC50: approx. 0.084 mg/l (Scenedesmus subspicatus 72h OECD 201); NOEC: approx. 0.004 mg/l (72h OECD 201)	LC50: approx. 0.036 mg/l (Oncorhynchus mykiss 96h OECD 203); NOEC: approx. 0.022 mg/l (Oncorhynchus mykiss 672h OECD 210)	EC50: approx. 0.42 mg/l (Daphnia magna 48h OECD 202); NOEC: approx. 0.002 mg/l (Daphnia Magna 504h OECD 211)

### Persistence and degradability

#### Product Information

<b>Biodegradation</b>	No information available
<b>BOD</b>	No information available
<b>ThCO<sub>2</sub></b>	No information available
<b>DOC</b>	No information available

Chemical name	Biodegradation
Isotridecanol, branched, ethoxylated 69011-36-5	Biodegradation: > 60 % (672h OECD 301B)
Isotridecanol, branched, ethoxylated 69011-36-5	Biodegradation: > 60 % (672h OECD 301B)
Bronopol 52-51-7	Biodegradation: > 70 % (OECD 301B); Biodegradation: 63.5 % (OECD 314)

#### Bioaccumulation

#### Product Information

<b>Bioaccumulation (factor)</b>	No information available
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#### Mobility in soil

No information available.

#### Mobility

No information available.

Chemical name	Partition coefficient
Bronopol 52-51-7	0.38
2-octyl-2H-isothiazol-3-one 26530-20-1	2.92

#### Other adverse effects

## **13. Disposal Considerations**

#### Waste treatment methods

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Contaminated packages must be completely emptied and can be re-used following proper cleaning. Clean IBCs or drums at approved facility. Packing which cannot be properly cleaned must be disposed of. Handle contaminated packages in the same way as the substance itself.

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## 14. Transport information

<u>DOT</u>	Not regulated
<u>TDG</u>	Not regulated
<u>MEX</u>	Not regulated
<u>IMDG</u>	Not regulated
<u>IATA</u>	Not regulated

## 15. Regulatory Information

### International Inventories

All of the components in the product are on the following inventory lists: TSCA (United States), Europe (EINECS/ELINCS/NLP).

### 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

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

#### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

### US State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals

#### U.S. State Right-to-Know Regulations

#### U.S. EPA Label information

EPA Pesticide registration number Not applicable

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## 16. Other Information



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<b><u>NFPA</u></b>	Health Hazards 3	flammability 1	Instability 0	Physical and chemical properties -
<b><u>HMIS</u></b>	Health Hazards 3	flammability 1	Physical Hazards 0	<b>PERSONAL PROTECTION X</b>

**Emergency telephone number** \*\*\*  
CHEM TEL: 1-800-255-3924 (DOMESTIC)  
+01-813-248-0585 (INTERNATIONAL)

**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**