



# Safety Data Sheet

## OptiBlur™ Elastomer

Complies with 29 CFR 1910.1200

### Section 1: Company and Product Identification

---

**Product Name:** OptiBlur™ Elastomer

**INCI Name:** Dimethicone (and) Dimethicone/Vinyl Dimethicone Crosspolymer (and) Dimethicone Crosspolymer (and) Beeswax (and) Silica (and) Silica Silylate

**Material Uses:** Active ingredient in cosmetic and personal care applications.

**Restrictions on Use:** Repackaged for cosmetic use only

**Company:** Lotioncrafter LLC  
48 Hope Ln  
Eastsound, WA 98245  
PH: 1-360-376-8008

**Emergency Response:** In USA, Canada and North America, 24 hour / 7 day emergency information for our product is provided by the CHEMTREC Emergency Call Center based in the USA.

USA, Canada, Puerto Rico, Virgin Islands                      CALL +1 800-424-9300  
In case of difficulties or for ships at sea                      CALL +1 703-527-3887  
In Europe, Middle East, Africa, Asia Pacific, South America      CALL +1 703-527-3887

### Section 2: Hazards Identification

---

BLANK                      BLANK                      BLANK                      BLANK

**Hazard Pictograms:**

**Signal Word:** Warning

**Hazard Classification:** This substance does not meet the criteria for a dangerous or hazardous

**Hazard Category:** Flammable liquids: Category 4

**Hazard Statements:** H227 Combustible liquid

**Precautionary Statements:** For full text of H-statements and R-phrases: see SECTION 16

**Other Hazards:** Vapors may form explosive mixture with air

### Section 3: Composition / Information on Ingredients

---

Name	Hazard Category	CAS#	Weight %
Decamethyltetrasiloxane	Not classified	141-62-8	>= 68 - <= 96

**Additional Information:** For full text of H-statements and R-phrases: see SECTION 16



# Safety Data Sheet

## OptiBlur™ Elastomer

Complies with 29 CFR 1910.1200

### Section 4: First Aid Measures

---

**Notable Exposure symptoms:** None known

**If ingested:** If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water

**If inhaled:** If inhaled, remove to fresh air. Get medical attention if symptoms occur

**Eye contact:** Flush eyes with water as a precaution. Get medical attention if irritation develops and persists

**Skin contact:** Wash with water and soap as a precaution. Get medical attention if symptoms occur

### Section 5: Fire Fighting Measures

---

**General Info:** Product contains flammable solvents. Direct water spray may spread fire. Isolate any uncompromised product from area if possible. Vapors may form explosive mixtures in the air. Do not breathe fumes.

**Extinguishing Method /**

**Equipment:** Carbon dioxide (CO<sub>2</sub>), dry chemical, foam, halon, water spray (fog). Firefighters should wear self-contained breathing apparatus (SCBA) and full protective equipment. Do not use direct or heavy water stream to fight fire as it may splash burning liquid.

**Hazardous Decomposition Info:** Carbon oxides, silicon oxides and formaldehyde

### Section 6: Accidental Release Measures

---

**Personal precautions, protective**

**equipment and procedures:** Remove all sources of ignition. Follow safe handling advice and personal protective equipment recommendations

**Environmental Precautions:** Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g. by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained

**Containment Equipment and**

**Procedures:** Non-sparking tools should be used. Suppress (knock down) gases/vapors/mists with a water spray jet. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container.

**Cleanup Procedures:** Pick up with absorbent material and collect for disposal. Refer to Section 8 for protective equipment and Section 13 for disposal considerations.



# Safety Data Sheet

## OptiBlur™ Elastomer

Complies with 29 CFR 1910.1200

### Section 7: Handling and Storage

---

**Safe Handling Precautions:** Keep working place well ventilated. Handle in accordance with good industrial hygiene and safety practice. Keep container tightly closed. Keep away from heat and sources of ignition. Take precautionary measures against static discharges. Take care to prevent spills, waste and minimize release to the environment

**Recommendations for Storage:** Keep in properly labeled containers. Keep tightly closed. Keep in a cool, well-ventilated place. Store in accordance with the particular national regulations. Keep away from heat and sources of ignition

#### Materials to

**Avoid:** Strong oxidizing agents, explosives and gases

**Specific End Use(s):** Active ingredient in cosmetic and personal care applications.

### Section 8: Exposure Control / Personal Protection

---

**Control Parameters:** Decamethyltetrasiloxane - permissible concentration 20 ppm

#### General / Engineering

**Controls:** Processing may form hazardous compounds. Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations

**Eye/face protection:** Chemical goggles with side splash protection recommended. An eye wash facility should be available in the work area.

**Hand Protection:** Choose gloves to protect hands against chemicals depending on the concentration specific to place of work.

**Body Protection:** Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential. Flame retardant antistatic clothing.

**Respiratory Protection:** General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Use NIOSH/MSHA approved respirators

**Thermal Hazards:** None required under normal conditions of use

**Other:** Observe good chemical hygiene practices, washing exposed areas of the skin several times daily. Launder contaminated clothing before re-use.

#### Environmental Exposure

**Controls:** Non-hazardous but avoid direct releases to the environment.



# Safety Data Sheet

## OptiBlur™ Elastomer

Complies with 29 CFR 1910.1200

### Section 9: Physical and Chemical Properties

---

**Physical State:** Liquid

**Appearance:** Viscous

**Color:** White to light yellow

**Odor:** Characteristic

**Odor Threshold:** No data available

**pH:** No data available

**Melting Point:** No data available

**Freezing Point:** No data available

**Boiling Point:** > 35 °C

**Flash Point (SCC):** 74 °C

**Auto-ignition Temperature:** Not available

**Decomposition Temperature:** Not available

**Evaporation Rate:** Not applicable

**Vapor Pressure:** No data available

**Explosive Limits:** No data available

**Relative Density:** 0.9

**Specific Gravity:** No data available

**Water Solubility:** No data available

**Viscosity (cP):** 300,000 mPa.s

**Explosion Properties:** Not explosive

**Oxidizing Properties:** The substance is not classified as oxidizing

**Partition coefficient:** Log Pow: >8 on basis of test data

**Self-ignition:** The substance or mixture is not classified as pyrophoric. The substance or mixture is not classified as self heating

**Other information:** None available

### Section 10: Stability and Reactivity

---

**Reactivity:** Not classified as a reactivity hazard

**Chemical Stability:** Stable under normal use conditions

#### Possibility of Hazardous

**Reactions:** Combustible liquid. Vapors may form explosive mixture with air. Use at elevated temperatures may form highly hazardous compounds. Can react with strong oxidizing agents. Hazardous decomposition products will be formed at elevated temperatures

**Conditions to Avoid:** Heat, flames and sparks

**Incompatible Materials:** Oxidizing agents

#### Hazardous Decomposition

**Products:** Thermal decomposition can produce formaldehyde



# Safety Data Sheet

## OptiBlur™ Elastomer

Complies with 29 CFR 1910.1200

### Section 11: Toxicological Information

---

**Acute Toxicity:** Not classified based on available information. Decamethyltetrasiloxane - Acute dermal toxicity: LD50 (Rat): >2,000 mg/kg. Assessment: The substance or mixture has no acute dermal toxicity on basis of test data from similar products

**Irritation:** Not classified based on available information. Decamethyltetrasiloxane - (Rabbit): No eye irritation on basis of test data from similar products

**Corrosivity:** Not classified based on available information

**Sensitization:** Does not cause skin sensitization. Decamethyltetrasiloxane: (HRIPT) - Result: Negative on basis of test data from similar products

**Repeated Dose Toxicity:** The material contains decamethyltetrasiloxane (L4). Repeated oral exposure in rats to L4 resulted in protoporphyrin accumulation in the liver. Without knowledge of the specific mechanism leading to the protoporphyrin accumulation the relevance of this finding to humans is unknown on basis of test data of similar products

**Carcinogenicity:** None of the components are listed as a carcinogen by IARC, NTP, OSHA, ACGIH or the EU Substances Directive

**Mutagenicity:** Not classified based on available information. Genotoxicity in-vitro: Chromosome aberration test in vitro, (AMES) and in-vitro mammalian cytogenic test results are negative based on test data from similar products

**Toxicity for reproduction:** Not classified based on available information. Decamethyltetrasiloxane - Effects on Fertility & Fetal Development: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test on male and female rat through inhalation of vapor shown no effects on fertility and fetal development on basis of test data from similar products



# Safety Data Sheet

## OptiBlur™ Elastomer

Complies with 29 CFR 1910.1200

### Section 12: Ecological Information

---

**Toxicity:** Toxicity to fish: LC50 (Oncorhynchus mykiss (rainbow trout)): > 0.0063 mg/l.  
Exposure time: 96 h. Method: OECD Test Guidelin 203. Remarks: No toxicity at the limit of solubility.

Toxicity to daphnia and other invertebrates: EC50 (Daphnia magna (Water flea)): > 0.0053 mg/l. Exposure time: 48 h. Remarks: No toxicity at the limit of solubility.

Toxicity to algae: EC50 (Pseudokirchneriella subcapitata (green algae)): > 0.0022 mg/l. Exposure time 72 h. Test Type: Growth inhibition.

Toxicity to fish (Chronic toxicity): LC50 (Oncorhynchus mykiss (rainbow trout)): > 0.0056 mg/l. Remarks: No toxicity at the limit of solubility.

NOEC (Oncorhynchus mykiss (rainbow trout)): >= 0.0056 mg/l. Remarks: No toxicity at the limit of solubility.

NOEC (Oncorhynchus mykiss (rainbow trout)): >= 0.0079 mg/l. Method: OECD Test Guideline 210. Remarks: On basis of test data. No

**Aquatic Toxicity:** This product has no known ecotoxicological effects

**Persistence and Degradability:** No data available

**Bioaccumulative Potential:** Decamethyltetrasiloxane - (Fish). Bioconcentration factor (BCF): >= 500.  
Method: OECD Test Guidline 305. Remarks: Does not biomagnify along the food chain

**Mobility in Soil:** No data available

#### Results of PBT and vPvB

**Assessment:** No data available

**Other Adverse Effects:** None known

### Section 13: Disposal Information

---

**Product disposal:** This product has been evaluated for RCRA characteristics and does not meet the criteria of hazardous waste if discarded in its purchased form. Dispose of product in accordance with local, regional, and national regulations.

**Container disposal:** Dispose of container in accordance with licensed collector's sorting instructions. Empty containers should be taken to an approved waste handling site for recycling or disposal. Empty containers retain residue and can be dangerous. Do not pressurize, cut weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury and/or death. If not otherwise specified: Dispose of as unused product

**Other considerations:** No further information.



# Safety Data Sheet

## OptiBlur™ Elastomer

Complies with 29 CFR 1910.1200

### Section 14: Transport Information

	US DOT	EU Land Transport (ADR/RID/AND)	Sea Transport (IMDG)	Air Transport (ICAO/IATA)
<b>UN Number:</b>	Not regulated	Not regulated	Not regulated	Not regulated
<b>UN Proper Shipping Name:</b>	Not regulated	Not regulated	Not regulated	Not regulated
<b>Transport Hazard Class(es):</b>	Not applicable	Not applicable	Not applicable	Not applicable
<b>Packing Group:</b>	Not applicable	Not applicable	Not applicable	Not applicable
<b>Environmental Hazards:</b>	Not applicable	Not applicable	Not applicable	Not applicable
<b>Special Precautions for User:</b>	None	None	None	None
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:</b>	Not applicable	Not applicable	Not applicable	Not applicable

### Section 15: Regulatory Information

**EU EINECS/ELINCS/NLP:** Listed on the EINECS Inventory

**Canada DSL/NDSL:** All chemical substances in this product comply with the CEPA 1999 and NSNR and are on or exempt from listing on the Canadian Domestic Substances List (DSL).

**US TSCA:** Commercial use of this product is limited to applications not regulated by TSCA. One or more components in this product may not be listed on the Toxic Substances Control Act inventory of chemical substances. Use of this product in TSCA applications is for Research and Development purposes only

**Korea KECI:** Consult your local Dow Corning office

**China IECSC:** All ingredients listed or exempt

**Japan ENCS:** All components are listed on ENCS/ISHL or exempted from inventory listing

**Philippine PICCS:** All ingredients are listed or exempt

**Australia AICS:** One or more ingredients are not listed or exempt

**Chemical Safety Assessment:** No Chemical Safety Assessment has been carried out for this mixture by the supplier.



# Safety Data Sheet

## OptiBlur™ Elastomer

Complies with 29 CFR 1910.1200

### Section 16: Other Information

---

**Indication of Changes:** Version 1 created September 1st, 2017

**List of Relevant R-phrases**

**(number and full text):** Hazard Statements:

H227: Combustible liquid

Precautionary Statements:

Prevention:

P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking

P280: Wear protective gloves/protective clothing/eye protection/face protection

Storage:

P403+235: Store in a well ventilated place. Keep cool

Disposal:

P501: Dispose of contents/container in accordance with local/regional/national/international rules.

**HMIS:** 0-2-0

**NFPA:** 0-2-0

**Legal Disclaimer:** Since the user's working conditions are not known to us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions.

Lotioncrafter provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

LOTIONCRAFTER MAKES NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS. ACCORDINGLY, LOTIONCRAFTER WILL NOT BE RESPONSIBLE FOR DAMAGES RESULTING FROM USE OF OR RELIANCE UPON THIS INFORMATION.