SAFETY DATA SHEET

1. Identification

Product identifier: BLUESIL SLT 10B OFF WHITE

Recommended use and restriction on use

Recommended use: Used for making joints, sealing and gluing.
Restrictions on use: None known.

Manufacturer/Importer/Supplier/Distributor Information

Manufacturer

Company Name:	Elkem Silicones France SAS
Address:	1-55 rue des Frères PERRET F-69 192 SAINT FONS Cedex
Telephone:	+33 (0) 4 72 73 74 75
Fax:	+33 (0) 4 72 73 75 99
Contact Person:	
E-mail:	fds.sil@elkem.com

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

Toxic to reproduction	Category 2

Label Elements

Hazard Symbol:

Signal Word: Warning

Hazard Statement: Suspected of damaging fertility.

Precautionary Statements

Prevention: Use personal protective equipment as required.

Response: IF exposed or concerned: Get medical advice/attention.

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

Substance(s) formed under the conditions of use:

Chemical Identity	CAS-No.	Concentration
Methanol	67-56-1	<=3.5%
Butan-1-ol	71-36-3	<=1.5%

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

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Octamethylcyclotetrasiloxane	556-67-2	0.1 - 1%

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

Composition Comments: Mixture of polydimethylsiloxanes, silica and curing agents.

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 if symptoms occur.

Inhalation: Move into fresh air and keep at rest. Get medical attention if any discomfort continues.

Skin Contact: Wash skin thoroughly with soap and water. Get medical attention if symptoms occur after washing.

Eye contact: In the event of contact with the eyes, rinse thoroughly with clean water for at least 15 minutes. Get medical attention if irritation persists after washing.

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 (CO2).
Unsuitable extinguishing media:	Do not use water as an extinguisher.
Specific hazards arising from the chemical:	Product will burn under fire conditions. Hazardous Decomposition Products : formaldehyde, oxides of carbon and silica.

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).

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Ventilate the area. Do not breathe vapor. 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:	Caution: Contaminated surfaces may be slippery. For waste disposal, see Section 13 of the SDS.
Environmental Precautions:	Collect spillage. Do not discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling:	Avoid breathing dust/fume/gas/mist/vapors/spray. 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.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Calcium Carbonate and amorphous silica : When encapsulated in a polymer, are not expected to pose a health hazard when processed under normal conditions of use.

Additional exposure limits under the conditions of use

Chemical Identity	Type	Exposure Limit Values	Source
Methanol	STEL	250 ppm	US. ACGIH Threshold Limit Values (01 2010)
	TWA	200 ppm	US. ACGIH Threshold Limit Values (01 2010)
	STEL	250 ppm 325 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	REL	200 ppm 260 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	PEL	200 ppm 260 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	STEL	250 ppm 325 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA	200 ppm 260 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
Butan-1-ol	TWA	20 ppm	US. ACGIH Threshold Limit Values (01 2010)
	Ceil_Time	50 ppm 150 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	PEL	100 ppm 300 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	Ceiling	50 ppm 150 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)

Appropriate Engineering Controls No specific recommendations.

Individual protection measures, such as personal protective equipment

General information: Provide sufficient ventilation during operations which cause vapor formation.

Eye/face protection: Wear approved chemical safety glasses.

Skin Protection

Hand Protection: Protective gloves are recommended.

Other: Wear suitable protective clothing.

Respiratory Protection: If ventilation is insufficient, suitable respiratory protection must be provided.

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: Thixotropic Paste
Color: Beige.
Odor: Faint
Odor threshold: No data available.
pH: Not applicable.
Freezing point: No data available.
Boiling Point: No data available.
Flash Point: 243 °F (117 °C) (Closed cup according to method Afnor T

	60103.)
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:	1.40 (68 °F (20 °C)) Approximate
Solubility(ies)	
Solubility in water:	Practically Insoluble
Solubility (other):	Ethanol.: Very slightly soluble. Acetone.: Miscible (in all proportions). Aliphatic hydrocarbons.: Miscible (in all proportions). Aromatic hydrocarbons.: Miscible (in all proportions). Chlorinated solvents.: Miscible (in all proportions).
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.
Other information	
Oxidizing properties:	According to the data on the components (evaluation by structure-activity relationship) Not considered as oxidizing.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Stable at room temperature provided it is not on contact with air.
Possibility of hazardous reactions:	Will not occur.
Conditions to avoid:	None known.
Incompatible Materials:	Strong oxidizing agents and water.
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides, other toxic gases or vapors and amorphous silica.

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

Ingestion:	No data available.
Inhalation:	No data available.

Skin Contact: No data available.

Eye contact: No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral
Product: ATEmix: 3,035.74 mg/kg

Dermal
Product: ATEmix: 16,284.49 mg/kg

Inhalation
Product: ATEmix: 23.07 mg/l

Repeated dose toxicity
Product: No data available.

Specified substance(s):

Octamethylcyclotetrasiloxane	NOAEL (Rat, Inhalation, 24 months): 1.820 mg/l NOAEL (Rabbit, Dermal, 3 weeks): 960 mg/kg

Skin Corrosion/Irritation
Product: No data available.

Specified substance(s):

Octamethylcyclotetrasiloxane	(Rabbit, 24 h): Not irritating

Serious Eye Damage/Eye Irritation
Product: No data available.

Specified substance(s):

Octamethylcyclotetrasiloxane	(Rabbit, 24 h): Not irritating

Respiratory or Skin Sensitization
Product: No data available.

Specified substance(s):

Octamethylcyclotetrasiloxane	(Pig)Not a skin sensitizer.

Carcinogenicity
Product: No data available.
Specified substance(s):

Octamethylcyclotetrasiloxane	No effects expected.

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):

Octamethylcyclotetrasiloxane	Bacteria: No mutagenic components identified. Chromosomal aberration: No mutagenic components identified. In vitro gene mutations test on mammalian cells:: No mutagenic components identified.

In vivo

Product:	No data available.

Specified substance(s):

Octamethylcyclotetrasiloxane	(Rat)No effects expected.

Reproductive toxicity

Product:	No data available.

Specified substance(s):

Octamethylcyclotetrasiloxane	Suspected of damaging fertility.

Specific Target Organ Toxicity - Single Exposure

Product:	No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product:	No data available.

Aspiration Hazard

Product:	No data available.

Specified substance(s):

Octamethylcyclotetrasiloxane	No effects expected.

Other effects:	No data available.

Additional toxicological Information under the conditions of use

Symptoms related to the physical, chemical and toxicological characteristics under the condition of use

Ingestion:
Specified substance(s):

Methanol	No data available.

Ingestion:
Specified substance(s):

Butan-1-ol	No data available.

Inhalation:
Specified substance(s):
Methanol No data available.
Inhalation:
Specified substance(s):
Butan-1-ol No data available.

Skin Contact:
Specified substance(s):
Methanol No data available.
Skin Contact:
Specified substance(s):
Butan-1-ol No data available.

Eye contact:
Specified substance(s):
Methanol No data available.
Eye contact:
Specified substance(s):
Butan-1-ol No data available.

Additional toxicological Information under the conditions of use:

Acute toxicity

OralSpecified substance(s):
Methanol (Human): (Expert judgement.) This material is toxic.
OralSpecified substance(s):
Butan-1-ol LD 50 (Rat): 2,292 mg/kg (OECD 401)

Dermal
Specified substance(s):
Methanol (Human):
Toxic in contact with skin.
Dermal
Specified substance(s):
Butan-1-ol LD 50 (Rabbit): 3,430 mg/kg (OECD 402)

Inhalation
Specified substance(s):
Methanol LC 50 (Rat, Female, Male, 4 h): 128.2 mg/l Vapor
(Human,): Toxic by inhalation.
Inhalation
Specified substance(s):
Butan-1-ol LC 50 (Rat, 4 h): > 17.76 mg/l (OECD 403) Vapor

Repeated dose toxicitySpecified substance(s):
Methanol LOAEL (Rat(Female, Male), Inhalation - vapor): 1.3 mg/l
Repeated dose toxicitySpecified substance(s):
Butan-1-ol NOAEL (Rat(Female, Male), Oral): 125 mg/kg
NOAEL (Rat(Female, Male), Inhalation - vapor): 2.35 mg/l Results obtained on a similar product.

Skin Corrosion/Irritation
Specified substance(s):
Methanol No data available.
Skin Corrosion/Irritation

Specified substance(s):
Butan-1-ol OECD 404 (Rabbit): Irritant.

Serious Eye Damage/Eye Irritation
Specified substance(s):
Methanol (Rabbit): Not irritating
Serious Eye Damage/Eye Irritation
Specified substance(s):
Butan-1-ol OECD 405 (Rabbit): Causes serious eye damage.

Respiratory or Skin Sensitization
Specified substance(s):
Methanol , According to a standardised method. (Guinea Pig)Not a skin sensitizer.
Respiratory or Skin Sensitization
Specified substance(s):
Butan-1-ol , Expert judgement.Not a skin sensitizer.

Carcinogenicity
Specified substance(s):
Methanol No data available.
Carcinogenicity
Specified substance(s):
Butan-1-ol No data available.
IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:
Specified substance(s):
Methanol
IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:
Specified substance(s):
Butan-1-ol

US. National Toxicology Program (NTP) Report on Carcinogens:
Specified substance(s):
Methanol
US. National Toxicology Program (NTP) Report on Carcinogens:
Specified substance(s):
Butan-1-ol

Germ Cell Mutagenicity
In vitro
Specified substance(s):
Methanol Bacteria (OECD 471): No mutagenic effects.
In vitro gene mutations test on mammalian cells: (OECD 476): No mutagenic effects.
Germ Cell Mutagenicity
In vitro
Specified substance(s):
Butan-1-ol Bacteria (OECD 471): No mutagenic effects.
Chromosomal aberration: No mutagenic effects.
(OECD 476)No mutagenic effects.
Germ Cell Mutagenicity
In vivo
Specified substance(s):
Methanol (Expert judgement.) (Mouse)No mutagenic effects.
Germ Cell Mutagenicity
In vivo
Specified substance(s):
Butan-1-ol (OECD 474) Oral (Mouse)No mutagenic effects.
Reproductive toxicity

Specified substance(s):

Methanol	No data available.

Reproductive toxicity

Specified substance(s):

Butan-1-ol	No data available.

Specific Target Organ Toxicity - Single Exposure

Specified substance(s):

Methanol	Central nervous system. - Causes damage to organs.

Specific Target Organ Toxicity - Single Exposure

Specified substance(s):

Butan-1-ol	Inhalation: Respiratory system, Central nervous system. - May cause respiratory irritation. May cause drowsiness or dizziness.

Specific Target Organ Toxicity - Repeated Exposure

Specified substance(s):

Methanol	No data available.

Specific Target Organ Toxicity - Repeated Exposure

Specified substance(s):

Butan-1-ol	Not classified

Aspiration Hazard

Specified substance(s):

Methanol	No data available.

Aspiration Hazard

Specified substance(s):

Butan-1-ol	No data available.

Other effects:

Specified substance(s):

Methanol	Central Nervous System

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: No data available.

Specified substance(s):

Octamethylcyclotetrasiloxane	LC 50 (Oncorhynchus mykiss, 96 h): >= 0.022 mg/l

Aquatic Invertebrates

Product: No data available.

Specified substance(s):

Octamethylcyclotetrasiloxane	EC 50 (Water flea (Daphnia magna), 48 h): > 0.015 mg/l

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Specified substance(s):

Octamethylcyclotetrasiloxane	NOEC (Oncorhynchus mykiss, 93 d): >= 0.0044 mg/l

Aquatic Invertebrates

Product:	No data available.

Specified substance(s):

Octamethylcyclotetrasiloxane	NOEC (Water flea (Daphnia magna), 21 d): 0.015 mg/l

Toxicity to Aquatic Plants

Product:	No data available.

Specified substance(s):

Octamethylcyclotetrasiloxane	EC 50 (Green algae (Selenastrum capricornutum), 96 h): > 0.022 mg/l

Persistence and Degradability

Biodegradation

Product:	No data available.

Specified substance(s):

Octamethylcyclotetrasiloxane	3.7 % (29 d)

BOD/COD Ratio

Product:	No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product:	No data available.

Specified substance(s):

Octamethylcyclotetrasiloxane	Fathead Minnow, Bioconcentration Factor (BCF): 12,400

Partition Coefficient n-octanol / water (log Kow)

Product:	No data available.

Mobility in soil:	No data available.

Known or predicted distribution to environmental compartments

Octamethylcyclotetrasiloxane	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
No ingredient regulated by CA Prop 65 present.

US. New Jersey Worker and Community Right-to-Know Act
Chemical Identity
Silicon dioxide

US. Massachusetts RTK - Substance List
No ingredient regulated by MA Right-to-Know Law present.

US. Pennsylvania RTK - Hazardous Substances
Chemical Identity
Limestone (Calcium carbonate)
Silicon dioxide

US. Rhode Island RTK

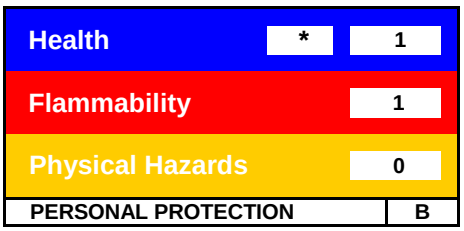
No ingredient regulated by RI Right-to-Know Law present.

Inventory Status:

Australia AICS:	On or in compliance with the inventory.
Canada DSL Inventory List:	On or in compliance with the inventory.
EINECS, ELINCS or NLP:	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

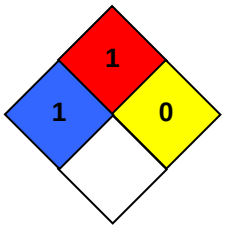
HMIS Hazard ID

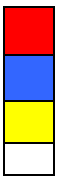


B - Safety Glasses & Gloves

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

NFPA Hazard ID





Flammability
Health
Reactivity
Special hazard.

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

Issue Date: 11/30/2017

Revision Date: No data available.

Version #:	1.0
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.