

SAFETY DATA SHEET

According to Regulation 2024 OSHA Hazard Communication Standard: 29 CFR 1910.1200

1. Identification of the substance or mixture and of the supplier

1.1 Product identifier:

Product name: BLUESIL EMUL E1P

Product No.: PRCO90000521

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Identified uses: Mold releasing agent.

Uses advised against: None known.

1.3 Details of the supplier of the safety data sheet:

Manufacturer:

Elkem Siliconas España, S.A.
Calle Vic 3 Poligono Industrial La Florida
E-08130 Santa perpetua de Mogoda (Barcelona)
SPAIN

Telephone: +34 9 35 04 02 00

E-mail: fds.sil@elkem.com

Supplier:

Elkem Silicones USA Corp.
Two Tower Blvd, Suite 1802
08816-1100 East Brunswick, NJ
USA

Telephone: +1 (732) 227-2060

Fax: +1 (732) 249-7000

1.4 Emergency telephone number:

+1 (800) 424-9300 CHEMTREC

2. Hazard identification

2.1 Classification of the substance or mixture:

The product has been classified according to the legislation in force.

Hazard Classification:

Health Hazards:

Serious eye damage

Category 1

H318: Causes serious eye damage.

Skin sensitizer

Category 1

H317: May cause an allergic skin reaction.

2.2 Label Elements:

Hazard pictograms:



Signal Word:

Danger

Hazard statements:

H318: Causes serious eye damage.

H317: May cause an allergic skin reaction.

Precautionary Statements:

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

Response: P302+P350+P332+P313: IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. P305+P351+P315: IF IN EYES: Rinse cautiously with water for several minutes. Get immediate medical advice/attention.

Disposal: P501: Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

2.3 Other hazards which do not result in GHS classification:

No other information noted.

3. Composition/information on ingredients

Mixtures:

General information:

Aqueous emulsion of Polyorganosiloxanes.

Hazardous Component(s):

Chemical name	Concentration *	Type	CAS number	Classification
Alcohols, C11-14-iso-, C13-rich, ethoxylated	3 - <5%	Component	78330-21-9	Acute Tox. 4 H302; Eye Dam. 1 H318; Aquatic Chronic 3 H412;
2-Methyl-2H-isothiazol-3-one	0.001 - <0.01%	Component	2682-20-4	Acute Tox. 4 H302; Acute Tox. 3 H331; Skin Corr. 1B H314; Eye Dam. 1 H318; Skin Sens. 1 H317; STOT SE 3 H335; Aquatic Acute 1 H400;
1,2-benzisothiazol-3(2H)-one	0.005 - <0.05%	Component	2634-33-5	Acute Tox. 4 H302; Skin Irrit. 2 H315; Eye Dam. 1 H318; Skin Sens. 1 H317; Aquatic Acute 1 H400; Aquatic Toxicity (Acute): M = 1 Aquatic Toxicity (Chronic): M = 1

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

The full text for all H-statements is displayed in section 16.

4. First-aid measures

General information:

Show this Safety Data Sheet to the attending physician.

4.1 Description of first aid measures:

Inhalation:

Under normal conditions of intended use, this material is not expected to be an inhalation hazard. In case of inhalation: Move person into fresh air and keep at rest. Get medical attention if symptoms occur.

Skin Contact:

Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash skin with soap and water. Get medical attention promptly 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. Continue flushing for several additional minutes. Open eyes wide apart. Get medical attention immediately, preferably an ophthalmologist.

Ingestion:

Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if symptoms occur.

Personal Protection for First-aid Responders:

First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). Refer to sections 5 and 8 for information on emergency procedures and protective equipment.

4.2 Most important symptoms and effects, both acute and delayed:

Any important symptoms and effects are described in Section 11 (Toxicological information) of this SDS.

4.3 Indication of any immediate medical attention and special treatment needed:

Notes to the physician:

No specific recommendations.

5. Fire-fighting measures

5.1 Extinguishing media:

Suitable extinguishing media:

Water spray, foam, dry powder or carbon dioxide.

Unsuitable extinguishing media:

Avoid water in straight hose stream; will scatter and spread fire.

5.2 Special hazards arising from the substance or mixture:

Material will burn if water evaporates from emulsion, and it is heated above its flash point. Thermal decomposition or combustion may liberate carbon oxides, silicon oxides and other toxic gases or vapors.

5.3 Advice for firefighters:

Special fire-fighting procedures:

Use standard firefighting procedures and consider the hazards of other involved materials. Remove undamaged containers from fire area if it is safe to do so. Evacuate to a safe location and contact the emergency services. 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

6.1 Personal precautions, protective equipment and emergency procedures:

Provide good ventilation. Avoid inhalation of vapors, mists or dusts. Avoid contact with eyes, skin, and clothing. Prevent further leakage or spillage if safe to do so. Caution: Contaminated surfaces may be slippery.

6.2 Environmental precautions:

Do not release into the environment. Do not discharge into drains, water courses or onto the ground.

6.3 Methods and material for containment and cleaning up:

Absorb with sand or other inert absorbent and place into containers.

6.4 Reference to other sections:

Please observe the important information mentioned in the other sections. In particular, information on exposure controls/personal protection and disposal considerations can be found under sections 8 and 13.

7. Handling and storage

7.1 Precautions for safe handling:

Precautions:

Avoid inhalation of vapors/aerosols/dusts and contact with skin and eyes. See Section 8 of the SDS for Personal Protective Equipment. Handle in accordance with good industrial hygiene and safety practices. Handle and open container with care. For further information, refer to section 10: "Stability and Reactivity". Take care to prevent spills, waste and minimize release to the environment. In case of spills, beware of slippery floors and surfaces.

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.

7.2 Conditions for safe storage, including any incompatibilities:

Store in accordance with local/regional/national regulations. Store in a well-ventilated place. Keep container tightly closed. Keep in properly labelled containers.
Do not allow material to freeze.

Packaging frequently used at our sites:

Polyethylene. Plastic lined steel drum.

7.3 Specific end use(s):

See the technical data sheet on this product for further information.

8. Exposure controls/personal protection

8.1 Control Parameters:

Occupational Exposure Limits:

None of the components have assigned exposure limits.

8.2 Exposure controls:

Appropriate Engineering Controls:

Provide adequate ventilation. In case of inadequate ventilation: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment:

Avoid inhalation of vapors/aerosols/dusts and contact with skin and eyes. Personal protective equipment should be chosen according to applicable standards, adapted to the conditions of use of the product and in discussion with the supplier of the personal protective equipment.

This product can form formaldehyde vapors when heated to temperatures above 150 degrees C in the presence of air.

Eyeface protection:	Wear safety glasses with side shields (or goggles).
Hand Protection:	Impervious Protective Gloves
Skin and Body Protection:	Wear suitable protective clothing.
Respiratory Protection:	If ventilation is insufficient, suitable respiratory protection must be provided.

Environmental Controls:

See sections 7 and 13 of the Safety Data Sheet.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance:	
Physical state:	Liquid
Form:	Viscous
Color:	Milky white
Odor:	Faint
pH:	7 (100 %)
Melting point/freezing point:	>= 0 °C Water.
Boiling Point:	100 °C Water.
Flash Point:	> 100 °C / > 212 °F Aqueous emulsion
Flammability:	Not classified for flammability hazard.
Flammability Limit - Upper (%):	No data available.
Flammability Limit - Lower (%):	No data available.
Vapor pressure:	23 hPa (20 °C)
Relative vapor density:	No data available.
Evaporation Rate:	No data available.
Density:	Approximate 0.99 kg/dm ³ (20 °C)
Solubility(ies):	
Solubility in Water:	Dispersible
Solubility (other):	Common organic solvents.: Insoluble
Partition coefficient (n-octanol/water):	No data available.
Self-ignition:	No data available.
Decomposition Temperature:	No data available.
Kinematic viscosity:	Approximate 300 mm ² /s

9.2 Other information:

Dynamic viscosity:	Approximate 300 mPa.s
Oxidizing properties:	According to the data on the components Not considered as oxidizing. (evaluation by structure-activity relationship)
Particle Size:	Not applicable

10. Stability and reactivity

10.1 Reactivity:

No data available.

10.2 Chemical Stability:

Stable

10.3 Possibility of hazardous reactions:

Will not occur.

10.4 Conditions to avoid:

Freezing.

10.5 Incompatible Materials:

Strong oxidizing agents. Water reactive material.

10.6 Hazardous Decomposition Products:

Thermal decomposition or combustion may liberate carbon oxides, other toxic gases or vapors and amorphous silica.

11. Toxicological information

11.1 Information on toxicological effects:

Acute toxicity:

Oral:

Not classified for acute toxicity based on available data.

Dermal:

Not classified for acute toxicity based on available data.

Inhalation:

Not classified for acute toxicity based on available data.

Repeated dose toxicity:

Based on our knowledge of the composition information: Not considered to cause serious damage to health upon repeated exposure.

Skin Corrosion/Irritation:

Based on available data, the classification criteria are not met.

Serious Eye Damage/Eye Irritation:

Causes serious eye damage.

ALCOHOLS, C11-14-ISO-, C13-RICH, ETHOXYLATED (78330-21-9):
Causes serious eye damage. Results obtained on a similar product.

Respiratory or Skin Sensitization:

May cause an allergic skin reaction.

2-METHYL-2H-ISOTHIAZOL-3-ONE (2682-20-4):

Skin sensitization: May cause an allergic skin reaction. (Mouse) ; Method: OECD 429

Skin sensitization: May cause an allergic skin reaction. (Guinea Pig) ; Method: OECD 406

Germ Cell Mutagenicity:

In vitro:

Based on available data, the classification criteria are not met.

In vivo:

Based on available data, the classification criteria are not met.

Carcinogenicity:

Based on available data, the classification criteria are not met.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogens present or none present in regulated quantities

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

No carcinogens present or none present in regulated quantities

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended:

No carcinogens present or none present in regulated quantities

Reproductive toxicity:

Fertility:

Based on available data, the classification criteria are not met.

Teratogenicity:

Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity - Single Exposure:

Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity - Repeated Exposure:

Based on available data, the classification criteria are not met.

Aspiration Hazard:

Based on available data, the classification criteria are not met.

12. Ecological information

12.1 Ecotoxicity:

Acute toxicity:

Fish: Based on our knowledge of the composition information:

2-METHYL-2H-ISOTHIAZOL-3-ONE (2682-20-4):

LC 50 (Oncorhynchus mykiss; 96 h) : 4.77 mg/l ; Method: OECD 203

1,2-BENZISOTHIAZOL-3(2H)-ONE (2634-33-5):

LC 50 (Oncorhynchus mykiss; 96 h) : 2.15 mg/l ; Method: OECD 203

Aquatic Invertebrates: Based on our knowledge of the composition information:

2-METHYL-2H-ISOTHIAZOL-3-ONE (2682-20-4):

EC 50 (Water flea (Daphnia magna); 48 h) : 0.934 mg/l ; Method: OECD 202 ; Fresh water

LC 50 (Opossum shrimp (Americamysis bahia); 48 h) : 2.98 mg/l ; Method: According to a standardised method. ; marine water

1,2-BENZISOTHIAZOL-3(2H)-ONE (2634-33-5):

EC 50 (Water flea (Daphnia magna); 48 h) : 2.9 mg/l ; Method: OECD 202

Aquatic plants: Based on our knowledge of the composition information:

2-METHYL-2H-ISOTHIAZOL-3-ONE (2682-20-4):

ErC50 (Algae (Pseudokirchneriella subcapitata); 72 h) : 0.103 mg/l ; Method: OECD 201 ; Fresh water

NOEC (growth rate) (Algae (Pseudokirchneriella subcapitata); 72 h) : 0.05 mg/l ; Method: OECD 201 ; Fresh water

ErC50 (Skeletonema costatum; 72 h) : 0.072 mg/l ; Method: OECD 201 ; marine water

NOEC (growth rate) (Skeletonema costatum; 72 h) : 0.072 mg/l ; Method: OECD 201 ; marine water

1,2-BENZISOTHIAZOL-3(2H)-ONE (2634-33-5):

ErC50 (Algae (Pseudokirchneriella subcapitata); 72 h) : 0.11 mg/l ; Method: OECD 201

NOEC (growth rate) (Algae (Pseudokirchneriella subcapitata); 72 h) : 0.0403 mg/l ; Method: OECD 201

Toxicity to microorganisms: No data available.

Chronic Toxicity:

Fish: Based on our knowledge of the composition information:

2-METHYL-2H-ISOTHIAZOL-3-ONE (2682-20-4):

NOEC (Oncorhynchus mykiss; 98 d) : 4.93 mg/l ; Method: OECD 210

NOEC (Pimephales promelas; 33 d) : 2.1 mg/l ; Method: OECD 210

Aquatic Invertebrates: Based on our knowledge of the composition information:

2-METHYL-2H-ISOTHIAZOL-3-ONE (2682-20-4):

NOEC (Water flea (Daphnia magna); 21 d) : 0.0442 mg/l ; Method: OECD 211

12.2 Persistence and Degradability:

Stability in water: No data available.

Biodegradation:

Expected to be readily biodegradable.

BOD/COD Ratio: No data available.

12.3 Bioaccumulative potential:

Bioconcentration Factor (BCF):

Will not bio-accumulate.

Partition coefficient (n-octanol/water): Based on our knowledge of the composition information:

2-METHYL-2H-ISOTHIAZOL-3-ONE (2682-20-4):

Log Kow: -0.486 (20 °C) ; Method: OECD 107

1,2-BENZISOTHIAZOL-3(2H)-ONE (2634-33-5):
Log Kow: 0.7 (20 °C)

12.4 Mobility in soil:

No data available.

12.5 Other adverse effects:

No data available.

13. Disposal considerations

13.1 Waste treatment methods:

The user's attention is drawn to the possible existence of local regulations regarding disposal.

Disposal methods:

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 Packaging:

Contaminated packages should be as empty as possible. Recycle following cleaning or dispose of at an authorised site. Packaging that cannot be cleaned should be disposed of in the same way as the product it contained.

14. Transport information

DOT

Not Regulated.

IMDG / IMO

Not Regulated.

IATA

Not Regulated.

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:

Serious eye damage or eye irritation, Skin sensitizer

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

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required: None present or none present in regulated quantities.

US State Regulations:

US. California Proposition 65: No ingredient requiring a warning under CA Prop 65.

US. New Jersey Worker and Community Right-to-Know Act: No ingredient regulated by NJ Right-to-Know Law present.

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:

Canada DSL Inventory List:	On or in compliance with the inventory.
China Inv. Existing Chemical Substances:	On or in compliance with the inventory.
Japan (ENCS) List:	On or in compliance with the inventory.
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory.
New Zealand Inventory of Chemicals:	On or in compliance with the inventory.
Philippines PICCS:	On or in compliance with the inventory.
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory.
US TSCA Inventory:	On or in compliance with the inventory.
Vietnam National Chemical Inventory:	On or in compliance with the inventory.
EINECS, ELINCS or NLP:	On or in compliance with the inventory.

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

NFPA Hazard ID:



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

Wording of the H-statements in section 2 and 3:

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

Issue Date: 10/30/2024

Version #: 11.2

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.