

# SAFETY DATA SHEET

According to Regulation 2012 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 RTV 3420 A

**Product No.:** PRCO90062258

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

**Identified uses:** Molding diverse objects.

**Uses advised against:** None known.

### 1.3 Details of the supplier of the safety data sheet:

**Manufacturer:**

Elkem Silicones USA Corp.  
7979 Park Place Road  
29745 York, SC  
USA

**Telephone:** +1 (803) 792-3000

**Fax:** +1 (803) 684-7202

**E-mail:** product.stewardship@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 not been classified as hazardous according to the legislation in force.

**Hazard Classification:** Not classified

### 2.2 Label Elements:

**Hazard pictograms:** No symbol

**Signal Word:** No signal word

**Hazard statements:** Not applicable

**Precautionary Statements:** Not applicable

### 2.3 Other hazards which do not result in GHS classification:

Chemical compounds containing silicon - hydrogen bonds (SiH).

### 3. Composition/information on ingredients

#### Mixtures:

##### **General information:**

Mixture of Polyorganosiloxanes, fillers.

The components are not hazardous or are below required disclosure limits.

### 4. First-aid measures

##### **General information:**

No specific first aid measures noted.

#### **4.1 Description of first aid measures:**

##### **Inhalation:**

Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

##### **Skin Contact:**

Wash skin with soap and water. Get medical attention if symptoms occur.

##### **Eye contact:**

In the event of contact with the eyes, rinse thoroughly with clean water for at least 15 minutes. Get medical attention if symptoms occur.

##### **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:**

Alcohol resistant foam. Carbon dioxide (CO<sub>2</sub>). Dry sand. Water spray.

##### **Unsuitable extinguishing media:**

Alkaline powders. Do not use water jet as an extinguisher, as this will spread the fire.

#### **5.2 Special hazards arising from the substance or mixture:**

Product will burn under fire conditions. This product may generate hydrogen gas. Vapors may form explosive mixtures with air. 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:

Follow safe handling advice and personal protective equipment recommendations. Avoid contact with alkalis and caustic products. Eliminate all sources of ignition.

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. Avoid contact with alkalis and caustic products. Materials in contact with water, moisture, acids or bases have the potential to generate hydrogen gas.

### 6.4 Reference to other sections:

Please observe the important information mentioned in the other sections. See Section 8 of the SDS for Personal Protective Equipment. For further information, refer to section 10: "Stability and Reactivity". For waste disposal, see section 13 of the SDS.

## 7. Handling and storage

### 7.1 Precautions for safe handling:

#### **Precautions:**

Handle in accordance with good industrial hygiene and safety practices. No special precautions are necessary beyond normal good hygiene practices. See Section 8 of the SDS for additional personal protection advice when handling this product. Provide adequate ventilation if fumes or vapors are generated. Handle and open container with care. Protect from contamination. Do not mix with incompatible materials. 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 original tightly closed container. Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

### 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:

Use engineering controls to reduce air contamination to permissible exposure level. If exposure limits have not been established, maintain airborne levels to an acceptable level.

#### Individual protection measures, such as personal protective equipment:

Provide sufficient ventilation during operations which cause vapor formation. 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.

#### Eye/face protection:

Safety glasses with side shields

#### Hand Protection:

Protective gloves are recommended.

#### Skin and Body Protection:

No skin protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.

#### Respiratory Protection:

No protection is ordinarily required under normal conditions of use and with adequate ventilation.

#### 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:

Colorless

##### Odor:

Odorless

##### pH:

By definition, pH measurement consists in the determination of hydrogen ions concentration in solution, generally aqueous. Silicones products are hydrophobic and therefore, not soluble in water. By consequence, it is not possible to measure the pH value.

##### Melting point/freezing point:

No data available.

##### Boiling Point:

No data available.

##### Flash Point:

> 200 °C / 392 °F (estimated)

##### Flammability:

No data available.

##### Flammability Limit - Upper (%):

No data available.

##### Flammability Limit - Lower (%):

No data available.

##### Vapor pressure:

No data available.

##### Relative vapor density:

No data available.

##### Evaporation Rate:

No data available.

##### Density:

Approximate 1.09 kg/dm<sup>3</sup> (20 °C)

**Solubility(ies):****Solubility in Water:**

Insoluble

**Solubility (other):**

Acetone: Very slightly soluble

Ethanol: Very slightly soluble

Diethylether: 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.

**Autoignition Temperature:**

No data available.

**Decomposition Temperature:**

No data available.

**Kinematic viscosity:**20,000 mm<sup>2</sup>/s**9.2 Other information:****Oxidizing properties:**

According to the data on the components

Not considered as oxidizing.

(according to EC criteria)

**10. Stability and reactivity****10.1 Reactivity:**

No other information noted.

**10.2 Chemical Stability:**

Material is stable under normal conditions.

**10.3 Possibility of hazardous reactions:**

This product may generate hydrogen gas.

**10.4 Conditions to avoid:**

No other information noted.

**10.5 Incompatible Materials:**

A fire or explosion hazard arises because highly flammable gas (hydrogen) is released when this product is in contact with : Strong oxidizers, strong bases and chemical compounds with mobile hydrogen, in the presence of metal salts and complexes.

**10.6 Hazardous Decomposition Products:**

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

No data available.

**Skin Corrosion/Irritation:**

No data available.

**Serious Eye Damage/Eye Irritation:**

No data available.

**Respiratory or Skin Sensitization:**

No data available.

**Germ Cell Mutagenicity:**

**In vitro:** No data available.

**In vivo:** No data available.

**Carcinogenicity:**

No data available.

**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 1910.1001-1050), as amended:**

No carcinogens present or none present in regulated quantities

**Reproductive toxicity:**

**Fertility:** No data available.

**Teratogenicity:** No data available.

**Specific Target Organ Toxicity - Single Exposure:**

No data available.

**Specific Target Organ Toxicity - Repeated Exposure:**

No data available.

**Aspiration Hazard:**

No data available.

## 12. Ecological information

### 12.1 Ecotoxicity:

**Acute toxicity:**

**Fish:** No data available.

**Aquatic Invertebrates:** No data available.

**Aquatic plants:** No data available.

**Toxicity to microorganisms:** No data available.

**Chronic Toxicity:**

**Fish:** No data available.

**Aquatic Invertebrates:** No data available.

**12.2 Persistence and Degradability:**

**Stability in water:** No data available.

**Biodegradation:** No data available.

**BOD/COD Ratio:** No data available.

**12.3 Bioaccumulative potential:**

**Bioconcentration Factor (BCF):** No data available.

**Partition coefficient (n-octanol/water):** No data available.

**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:**

Waste of this material should not be mixed with other waste. 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:**

Not classified

**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.

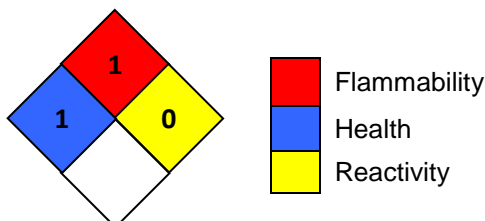
**US. Rhode Island RTK:** No ingredient regulated by RI Right-to-Know Law present.

### Inventory Status:

Australia Industrial Chem. Act (AIC):	On or in compliance with the inventory.
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.
EINECS, ELINCS or NLP:	On or in compliance with the inventory.

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

### NFPA Hazard ID:





☐ Special hazard.

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

**Issue Date:** 02/27/2023

**Version #:** 2.0

**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.