



SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier:

Product name: CAF 5661

Synonyms, Trade Names: RHODORSEAL 5661

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

Identified uses: Used for making joints, sealing and gluing.

Uses advised against: None known.

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

BLUESTAR SILICONES Usines Rhône-Alpes
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

e-mail: fds.sil@bluestarsilicones.com

Supplier:

Bluestar Silicones (UK) Ltd
Wolfe Mead, Farnham Road
UK-GU35 0NH Bordon

Telephone: +44 (0) 1420 477000

Emergency telephone number: +44 (0) 1865 407333

SECTION 2: Hazards identification

Classification of the substance or mixture:

The product has not been classified as hazardous according to the legislation in force.

Hazard summary:

Physical hazards: Combustible.

Health hazards:

Inhalation: May be slightly irritating.

Eye contact: May cause minor irritation on eye contact.

Skin contact: Mildly irritating to skin with prolonged exposure.

Ingestion: No specific symptoms noted.

Other Health Effects: No other information noted.

Environmental hazards: Not regarded as dangerous for the environment.

Label elements:

Safety data sheet available for professional user on request.

Other hazards: No data available.

Substance(s) formed under the conditions of use:

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	INDEX No.
acetic acid...%	<2,6%	64-19-7	200-580-7		#

SECTION 3: Composition/information on ingredients**Mixtures:**

General information: Mixture of Polyorganosiloxanes, fillers, additives.

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	Notes
Quartz (SiO ₂)	<5%	14808-60-7			#
Methylsilanetriyl triacetate	<3%	4253-34-3			
acetic acid...%	<1%	64-19-7	200-580-7		#

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

This substance has workplace exposure limit(s).

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

Classification:

Chemical name	Classification		Notes
Quartz (SiO ₂)	DPD:	Xn; R48/20	
	CLP:	STOT RE 1;H372	
Methylsilanetriyl triacetate	DPD:	R14 C; R34 Xn; R22	
	CLP:	Acute Tox. 4;H302, Skin Corr. 1C;H314	
acetic acid...%	DPD:	R10 C; R35	
	CLP:	Flam. Liq. 3;H226, Skin Corr. 1A;H314	

DPD: Directive 67/548/EEC.

CLP: Regulation No. 1272/2008.:

The full text for all R/H-phrases is displayed in section 16.

SECTION 4: First aid measures

General: Get medical attention if symptoms occur. Contaminated clothing to be placed in closed container until disposal or decontamination.

Description of first aid measures:

Inhalation: Move into fresh air and keep at rest.

Eye contact: In the event of contact with the eyes, rinse thoroughly with clean water. Continue to rinse for at least 15 minutes.

Skin contact: Remove contaminated clothing and shoes. Wash with soap and water.

Ingestion: Do not induce vomiting. Rinse mouth thoroughly.

Most important symptoms and effects, both acute and delayed: None known.

Indication of any immediate medical attention and special treatment needed:

Hazards: No specific recommendations.

Treatment: No specific recommendations.

SECTION 5: Firefighting measures

General fire hazards:	No specific recommendations.
Extinguishing media:	
Suitable extinguishing media:	Extinguish with foam, carbon dioxide or dry powder.
Unsuitable extinguishing media:	Do not use water as an extinguisher.
Special hazards arising from the substance or mixture:	Combustible. For further information, refer to section 10: "Stability and Reactivity".
Advice for firefighters:	
Special Fire Fighting Procedures:	Water spray should be used to cool containers.
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Use personal protective equipment. Do not breathe vapor. See Section 8 of the MSDS for Personal Protective Equipment. Ventilate the area.
Environmental precautions:	Collect spillage. Do not discharge into drains, water courses or onto the ground.
Methods and material for containment and cleaning up:	Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Container must be kept tightly closed. Absorb with sand or other inert absorbent. To clean the floor and all objects contaminated by this material, use an appropriate solvent.(cf. : § 9) Flush area with plenty of water. Incinerate in suitable combustion chamber.
Notification Procedures:	Caution: Contaminated surfaces may be slippery. For waste disposal, see section 13 of the MSDS.

SECTION 7: Handling and storage:

Precautions for safe handling:	Adequate ventilation should be provided so that exposure limits are not exceeded.
Conditions for safe storage, including any incompatibilities:	Avoid discharge into drains, water courses or onto the ground. Store in tightly closed original container. Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures. Avoid contact with oxidizing agents. Vulcanises at room temperature on contact with moisture in the air. For further information, refer to section 10: "Stability and Reactivity". Suitable containers: Steel drums coated with epoxy-resin.
Specific end use(s):	No data available.

SECTION 8: Exposure controls/personal protection**Control parameters:****Occupational exposure limits:**

No exposure limits noted for the ingredient(s).
 Quartz : When encapsulated in polymer, it is not expected to pose a health hazard when processed under normal conditions of use.

Additional exposure limits under the conditions of use:

Chemical name	Type	Exposure Limit values	Source
acetic acid...%	TWA	10 ppm 25 mg/m3	EU. Indicative Exposure and Directives relating to the protection of risks related to work exposure to chemical, physical, and biological agents. (12 2009)

Exposure controls:**Appropriate engineering controls:**

Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors. Use engineering controls to reduce air contamination to permissible exposure level.

Individual protection measures, such as personal protective equipment:**General information:**

Provide sufficient ventilation during operations which cause vapor formation.

Eye/face protection:

Safety Glasses

Skin protection:**Hand protection:**

Rubber gloves are recommended.

Other:

It is a good industrial hygiene practice to minimize skin contact. Wear suitable protective clothing.

Respiratory Protection:

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

Hygiene measures:

Provide eyewash station and safety shower.

Environmental Controls:

No data available.

SECTION 9: Physical and chemical properties**Information on basic physical and chemical properties:****Appearance:****Physical State:**

Paste

Form:

Thixotropic

Color:

Creamy white.

Odor:

Vinegar.

Odor Threshold:

No data available.

pH:

Not applicable

Melting Point:

No data available.

Boiling Point:

No data available.

Flash Point:

> 150 °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 (air=1):	No data available.
Relative density:	1,14 (20 °C) Approximate
Solubility(ies):	
Solubility in Water:	Practically Insoluble
Solubility (other):	Acetone.: Practically Insoluble Ethanol.: Practically Insoluble Petrol.: Dispersible White-spirit.: Dispersible Aromatic hydrocarbons.: Dispersible Chlorinated solvents.: Dispersible
Partition coefficient (n-octanol/water):	No data available.
Autoignition Temperature:	No data available.
Decomposition Temperature:	> 200 °C
Viscosity:	No data available.
Explosive properties:	No data available.
Oxidizing properties:	According to the data on the components Not considered as oxidizing. (evaluation by structure-activity relationship)

SECTION 10: Stability and reactivity

Reactivity:	Vulcanises at room temperature on contact with moisture in the air.
Chemical stability:	Stable at room temperature provided it is not on contact with air.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	No other information noted.
Incompatible materials:	Strong oxidizing agents. Water.
Hazardous decomposition products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. Amorphous silica. During use or in contact with water, may generate hazardous substances.

SECTION 11: Toxicological information

Information on likely routes of exposure

Inhalation:	No data available.
Ingestion:	No data available.
Skin contact:	No data available.
Eye contact:	No data available.

Information on toxicological effects:

Acute Toxicity:

Oral:

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

Quartz (SiO ₂)	No data available.
Methylsilanetriyl triacetate	LD 50 (Rat): 1 600 mg/kg
acetic acid...%	LD 50 (Rat): 3,31 - 3,53 mg/kg

Dermal:

Product:	No data available.
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Specified substance(s):	
Quartz (SiO ₂)	No data available.
Methylsilanetriyl triacetate	No data available.
acetic acid...%	LD 50 (Rabbit): 1 060 mg/kg
Inhalation:	
Product:	No data available.
Specified substance(s):	
Quartz (SiO ₂)	No data available.
Methylsilanetriyl triacetate	No data available.
acetic acid...%	LC 50 (Rat, 4 h): 11,4 mg/l
Repeated dose toxicity:	
Product:	No data available.
Specified substance(s):	
Quartz (SiO ₂)	No data available.
Methylsilanetriyl triacetate	No data available.
acetic acid...%	No data available.
Skin corrosion/irritation:	
Product:	No data available.
Specified substance(s):	
Quartz (SiO ₂)	No data available.
Methylsilanetriyl triacetate	No data available.
acetic acid...%	No data available.
Serious eye damage/eye irritation:	
Product:	No data available.
Specified substance(s):	
Quartz (SiO ₂)	No data available.
Methylsilanetriyl triacetate	No data available.
acetic acid...%	Eye irritation has been noted at a concentration below 10 ppm.
Respiratory or skin sensitization:	
Product:	No data available.
Specified substance(s):	
Quartz (SiO ₂)	No data available.
Methylsilanetriyl triacetate	No data available.
acetic acid...%	No data available.
Germ cell mutagenicity:	
In vitro:	
Product:	No data available.
Specified substance(s):	
Quartz (SiO ₂)	No data available.
Methylsilanetriyl triacetate	No data available.
acetic acid...%	No data available.
In vivo:	
Product:	No data available.
Specified substance(s):	
Quartz (SiO ₂)	No data available.
Methylsilanetriyl triacetate	No data available.
acetic acid...%	No data available.
Carcinogenicity:	
Product:	No data available.

Specified substance(s):

Quartz (SiO ₂)	No data available.
Methylsilanetriyl triacetate	No data available.
acetic acid...%	No data available.

Reproductive toxicity:

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

Quartz (SiO ₂)	No data available.
Methylsilanetriyl triacetate	No data available.
acetic acid...%	No data available.

Specific target organ toxicity - single exposure:

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

Quartz (SiO ₂)	No data available.
Methylsilanetriyl triacetate	No data available.
acetic acid...%	No data available.

Specific target organ toxicity - repeated exposure:

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

Quartz (SiO ₂)	No data available.
Methylsilanetriyl triacetate	No data available.
acetic acid...%	No data available.

Aspiration hazard:

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

Quartz (SiO ₂)	No data available.
Methylsilanetriyl triacetate	No data available.
acetic acid...%	No data available.

Other adverse effects:**SECTION 12: Ecological information****Toxicity:****Acute toxicity:****Fish:**

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

Quartz (SiO ₂)	No data available.
Methylsilanetriyl triacetate	No data available.
acetic acid...%	LC 50 (Oncorhynchus mykiss, 96 h): > 300,82 mg/l

Aquatic invertebrates:

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

Quartz (SiO ₂)	No data available.
Methylsilanetriyl triacetate	No data available.
acetic acid...%	EC50 (Water flea (Daphnia magna), 48 h): 300,82 mg/l

Chronic Toxicity:**Fish:**

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

Quartz (SiO ₂)	No data available.
Methylsilanetriyl triacetate	No data available.

acetic acid...% No data available.

Aquatic invertebrates:

Product: No data available.

Specified substance(s):

Quartz (SiO₂) No data available.
Methylsilanetriyl triacetate No data available.
acetic acid...% No data available.

Toxicity to Aquatic Plants:

Product: No data available.

Specified substance(s):

Quartz (SiO₂) No data available.
Methylsilanetriyl triacetate No data available.
acetic acid...% No data available.

Persistence and degradability:**Biodegradation:**

Product: The product is not readily biodegradable.

BOD/COD ratio:

Product: No data available.

Specified substance(s):

Quartz (SiO₂) No data available.
Methylsilanetriyl triacetate No data available.
acetic acid...% No data available.

Bioaccumulative potential:

Product: The product is not bioaccumulating.

Mobility in soil:

No data available.

Known or predicted distribution to environmental compartments:

Quartz (SiO₂) No data available.
Methylsilanetriyl triacetate No data available.
acetic acid...% No data available.

Results of PBT and vPvB assessment: No data available.

Quartz (SiO₂) No data available.
Methylsilanetriyl triacetate No data available.
acetic acid...% No data available.

Other adverse effects: No data available.

SECTION 13: Disposal considerations**Waste treatment methods:****General information:**

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. Incinerate.

Contaminated packages should be as empty as possible. Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Recycle following cleaning or dispose of at an authorised site.

European Waste Codes:**SECTION 14: Transport information**

This material is not subject to transport regulations.

Environmental hazards:

Special precautions for user: No special precautions.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

SECTION 15: Regulatory information**Safety, health and environmental regulations/legislation specific for the substance or mixture:****National Regulations:**

Chemical safety assessment: No data available.

SECTION 16: Other information

Revision Information: Not relevant.

Key literature references and sources for data: No data available.

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

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H372	Causes damage to organs through prolonged or repeated exposure.
R14	Reacts violently with water.
R22	Harmful if swallowed.
R34	Causes burns.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Training information: No data available.

Inventory Status

Australia AICS:	On or in compliance with the inventory
Canada DSL Inventory List:	On or in compliance with the inventory
EU EINECS List:	On or in compliance with the inventory
Japan (ENCS) List:	Not 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

Issue Date: 17.12.2011

SDS No:

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.