



Safety data sheet

According to regulation (EC) 1907/2006, 453/2010
Revision date: November 2014
Product name: Food-grade silicone 3428 Part A
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SECTION 1. Identification of the substance/mixture and of the company/undertaking.

1.1 Product identifier

Trade name: Food-grade silicone 3428 Part A

1.2 Relevant identified uses of the substance or mixture and uses advised against Use of the Substance/Mixture: Contact with food products.

1.3 Details of the supplier of the safety data sheet

Company: Esprit Composite
22, Rue Gassendi
F-75014 Paris
France
Telephone: Tel: +33 1 4044 4797
Telefax: Fax: +33 1 4044 4951
Website: www.espritcomposite.com
E-mail: contact@espritcomposite.fr

1.4 Emergency telephone number:

NHS Direct England or Wales: +44 0845 4647
NHS 24 Scotland (UK only): +44 08454 242424

SECTION 2. Hazards identification

2.1 Classification of the substance or mixture

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

Hazard summary:

Physical hazards: No specific recommendations.

Health hazards:

Inhalation: No specific symptoms noted

Eye contact: No specific symptoms noted

Skin contact: No specific symptoms noted

Ingestion: No specific symptoms noted

Other Health Effects: No other information noted

Environmental hazards: Not regarded as dangerous for the environment

2.2 Label elements

The product does not need to be labeled in accordance with EC directives or respective national laws.

2.3 Other hazards

Chemical compounds containing silicon - hydrogen bonds (SiH).

SECTION 3. Composition/information on ingredients

3.2 Mixtures

General information: Mixture of Polyorganosiloxanes, fillers.

SECTION 4. First aid measures:

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

4.1 Description of first aid measures

Inhalation: Not relevant.

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



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Skin Contact:	Remove contaminated clothing and shoes. Wash with soap and water.
Ingestion:	Do not induce vomiting. Rinse mouth thoroughly.
<u>4.2 Most important symptoms and effects, both acute and delayed</u>	
Symptoms:	None known.
<u>4.3 Indication of any immediate medical attention and special treatment needed</u>	
Hazards:	No specific recommendations.
Treatment:	No specific recommendations.

SECTION 5. Fire fighting measures

General Fire Hazards:	No specific recommendations.
<u>5.1 Extinguishing media</u>	
Suitable extinguishing media:	Foam. Powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire. Alkaline powders.
<u>5.2 Special hazards arising from the substance or mixture</u>	
Specific hazards during firefighting:	For further information, refer to Section 10: "Stability and Reactivity".
<u>5.3 Advice for firefighters</u>	
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. Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6. Accidental release measures

<u>6.1 Personal precautions, protective equipment and emergency procedures</u>	
Personal precautions:	Wear appropriate personal protective equipment. See Section 8 of the MSDS for Personal Protective Equipment. Keep away from Alkalis and caustic products. Eliminate all sources of ignition.
<u>6.2 Environmental precautions</u>	
Environmental precautions:	Collect spillage. Do not discharge into drains, water courses or onto the ground.
<u>6.3 Methods and material for containment and cleaning up</u>	
Methods for cleaning up:	Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Absorb with sand or other inert absorbent. Remove all incompatible materials as quickly as possible : Do NOT use products which are basic. To clean the floor and all objects contaminated by this material, use an appropriate solvent.(cf. : § 9) Flush area with plenty of water.
<u>6.4 Reference to other sections</u>	
For personal protection:	Caution: Contaminated surfaces may be slippery. For waste disposal, see section 13 of the MSDS.

SECTION 7. Handling and storage

7.1 Precautions for safe handling



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Advice on safe handling:

Use mechanical ventilation in case of handling which causes formation of vapors. Do not mix with Incompatible materials. For further information, refer to Section 10: "Stability and Reactivity". Read and follow manufacturer's recommendations.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers:

Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures. Store in tightly closed original container. Suitable containers: polyethylene. Steel drums coated with epoxy-resin.

7.3 Specific end use(s)

Specific use(s):

No specific recommendations.

SECTION 8. Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits:

None of the components have assigned exposure limits.

8.2 Exposure controls

Engineering measures:

Avoid inhalation of vapors and spray mists.

Personal protective equipment

General information:

No specific precautions.

Eye/face protection:

Safety Glasses

Skin protection:

Hand Protection:

Use protective gloves made of: Nitrile. Polyvinyl chloride (PVC). Rubber or plastic.

Other:

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

Respiratory Protection:

No specific precautions.

Hygiene measures:

Provide eyewash station and safety shower.

Environmental Controls:

No data available.

SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical State:

Liquid

Form:

Viscous.

Color:

Colourless, Translucent

Odor:

Faint

Odor Threshold:

no data available

pH:

Not applicable

Melting Point:

No data available.

Boiling Point:

No data available.

Flash Point:

> 200 °C (Closed cup according to method ASTM D-56.)

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:

1,12 (20 °C) Approximate



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Solubility(ies):

Solubility in Water:

Solubility (other):

Practically Insoluble

Acetone: Practically Insoluble

Alcohol: Practically Insoluble

Diethylether: Dispersible

Aliphatic hydrocarbons: Dispersible

Aromatic hydrocarbons: Dispersible

Chlorinated solvents: Dispersible

Partition coefficient (n-octanol/water):

No data available.

Autoignition Temperature:

400 °C

Decomposition Temperature:

> 200 °C

Viscosity:

Approximate 22 000 mm²/s (25 °C)

Explosive properties:

No data available.

Oxidizing properties:

According to the data on the components Not considered as oxidizing. (evaluation by structure-activity relationship)

9.2 Other information:

No information available

SECTION 10. Stability and reactivity

10.1 Reactivity

Reactivity:

No other information noted.

10.2 Chemical stability

Chemical stability:

Material is stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions:

This product may generate hydrogen gas.

10.4 Conditions to avoid

Conditions to avoid:

No other information noted.

10.5 Incompatible materials

Materials to avoid:

A fire or explosion hazard arises because highly flammable gas (hydrogen) is released when it is in contact with : Strong oxidizing agents. Alkalis and caustic products. Chemical compounds with mobile hydrogen, in the presence of metal salts and complexes.

10.6 Hazardous decomposition products

Hazardous decomposition products:

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. Amorphous silica. Quantity of hydrogen potentially released (l/kg of product): < 4

SECTION 11. Toxicological information

Information on likely routes of exposure

Inhalation:

No effects expected (assessment based on ingredients).

Ingestion:

No effects expected (assessment based on ingredients).

Skin Contact:

No effects expected (assessment based on ingredients).

Eye contact:

No effects expected (assessment based on ingredients).

11.1 Information on toxicological effects

Acute Toxicity:

Oral:

Product:

Not classified for acute toxicity based on available data.



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Dermal:

Product: Not classified for acute toxicity based on available data.

Inhalation:

Product: No effects expected (assessment based on ingredients).

Repeated Dose Toxicity:

Product: No effects expected (assessment based on ingredients).

Skin Corrosion/Irritation:

Product: No effects expected (assessment based on ingredients).

Serious Eye Damage/Eye Irritation:

Product: No effects expected (assessment based on ingredients).

Respiratory or Skin Sensitization:

Product: No effects expected (assessment based on ingredients).

Germ Cell Mutagenicity:

In vitro:

Product: No effects expected (assessment based on ingredients).

In vivo:

Product: No effects expected (assessment based on ingredients).

Carcinogenicity:
Product: No effects expected (assessment based on ingredients).
Product: No data available.

Reproductive Toxicity:

Product: No effects expected (assessment based on ingredients).

Reproductive Toxicity (Fertility):

Product: No data available.

Developmental Toxicity (Teratogenicity):

Product: No data available.

Specific Target Organ Toxicity - Single Exposure:

Product: No effects expected (assessment based on ingredients).

Specific Target Organ Toxicity - Repeated Exposure:

Product: No effects expected (assessment based on ingredients).

Aspiration Hazard:

Product: No effects expected (assessment based on ingredients).

Other Adverse Effects:

None known.

SECTION 12. Ecological information

12.1 Toxicity

Acute toxicity:

Fish:

Product: No effects expected (assessment based on ingredients).

Aquatic Invertebrates:

Product: No effects expected (assessment based on ingredients).

Chronic Toxicity:

Fish:

Product: No effects expected (assessment based on ingredients).

Aquatic Invertebrates:

Product: No effects expected (assessment based on ingredients).

Toxicity to Aquatic Plants:

Product: No effects expected (assessment based on ingredients).

12.2 Persistence and degradability

Biodegradation:

Product: Not applicable

BOD/COD Ratio:



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Product:	No data available.
12.3 Bioaccumulative potential	
Product:	No data available.
12.4 Mobility in soil	
Product:	No data available.
12.5 Results of PBT and vPvB assessment	
Product:	None Reported
12.6 Other adverse effects	
Product:	None known.

SECTION 13. Disposal considerations

13.1 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 in suitable combustion chamber. 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.

SECTION 14. Transport information

14.1 UN number

Not dangerous goods

14.2 UN proper shipping name

Not dangerous goods

14.3 Transport hazard class(es)

Not dangerous goods

14.4 Packing group

Not dangerous goods

14.5 Environmental hazards

Not dangerous goods

14.6 Special precautions for user

Not classified as dangerous in the meaning of transport regulations.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Other information:

No special precautions.

SECTION 15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Water contaminating class (Germany):

WGK 1 slightly water endangering

Classification according VwVwS, Annex 4.

Other regulations:

This mixture is not classified as dangerous according to Directive 1999/45/EC.



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This mixture contains only ingredients which have been subject to a pre-registration according to Regulation (EC) No. 1907/2006 (REACH).

15.2 Chemical Safety Assessment

Not applicable

SECTION 16. Other information

Full text of R-Phrases

None

Full text of H-Statements

None

Full text of other abbreviations

No data available.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.