



Safety Data Sheet
CM SFS

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

1.1 Product identifier

Product Name: CM SFS Low Modulus Silicone

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

Use of substance/mixture: PC1: Adhesives, sealants

1.3 Details of the supplier of the safety data sheet

Company name: CM Sealants Ltd
Kendon House
44a Selby Road
Leytonstone
London
E11 3LT

Tel: 020 8519 6358
Fax: 020 8555 0394
Email: info@cmsealants.co.uk

Section 2: Hazard identification

2.1 Adverse human health effects

Slight irritation to eyes, respiratory system, and skin

2.2 Environmental effects

Presents no particular risk to the environment, provided the disposal requirements (see section 13) and national or local regulations are complied with

2.3 Physical and chemical hazards

Fire or explosion: Combustible

2.4 Classification / specific hazards

According to EEC criteria, this product is not classified as a 'hazardous preparation'

[Cont...]

2.5 Other information

After drying, may stick to skin

Section 3: Composition/information on ingredients

3.1 Chemical nature

Polydimethylsiloxanes, amorphous silica, inert fillers and crosslinker

3.2 Components contributing to the hazard

None

3.3 Components presenting hazards

Vinylsilane trimethoxy (CAS: 2768-02-7): < 5% - EEC Classification: Xn; R20. EC no.: 220-449-8(*)

3.4 Further information

During use, on contact with humidity in the air releases: Methanol (CAS:67-56-1): 3% (max) – EEC classification: T; R23/24/25-39/23/24/25. EC no.: 200-659-6(*). 1 – Butanol (CAS: 71-36-3): < 2% - EEC classification: Xn; R22-37/38-41-67 EC no.: 200-751-6(*)

Section 4: First aid measures

4.1 Description of first aid measures

Skin Contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. In case of persisting irritation call a physician. Where possible show the physician container or label

Eye contact: After separating the eyelids, immediately flush eyes thoroughly with plenty of water. If eye irritation persists, consult an oculist

Ingestion: Consult a doctor

Inhalation: Move to fresh air in case of accidental inhalation of vapours. Consult a doctor

4.2 Most important symptoms and effects, both acute and delayed

Skin contact: There may be irritation and redness at the site of contact

Eye contact: There may be irritation and redness

Inhalation: Product releases 2-butanone during curing. After curing, product is odourless and indifferent

Delayed/immediate effects: Delayed effects can be expected after long-term exposure

4.3 Indication of any immediate medical attention and special treatment needed

Immediate/special treatment: Treat symptomatically

Section 5: Fire-fighting measures

5.1 Extinguishing media

Extinguishing media: Carbon dioxide. Foam, powders and water spray

[Cont...]

5.3 Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. Closed containers near to the fire should be cooled with water (spray). Container may burst upon heating.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures

Personal precautions: Refer to section 8 of safety data sheet for personal protection details

6.2 Environmental precautions

Environmental precautions: Do not discharge into drains or rivers

6.3 Methods and material for containment and cleaning up

Clean up procedures: Refer to section 13 of safety data sheet for suitable method of disposal. Allow curing, the product can be disposed (category: commercial waste, municipal waste)

6.4 Reference to other sections

Reference to other sections: Refer to section 8 of safety data sheet

Section 7: Handling and storage

7.1 Precautions for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area. Do not eat, drink, or smoke during application

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well-ventilated area. Avoid contact with water or humidity. Keep away from direct sunlight

Suitable packaging: Must only be kept in original packaging

7.3 Specific end use(s)

Specific end use(s): No data available

Section 8: Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limits: No data available

DNEL/PNEC values

DNEL/PNEC: No data available

[Cont...]

8.2 Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area

8.3 Control Parameters

Occupational exposure limits

France;

Methanol: VLE: 260 mg/m³ (200 ppm)

Methanol: VME: 1300 mg/m³ (1000 ppm)

1- Butanol: VLE: 150 mg/m³ (50 ppm)

USA/ A.C.G.I.H;

Methanol: TLV: (TWA) = 262 mg/m³ (200 ppm)

Methanol: TLV: (STEL) = 328 mg/m³ (250 ppm)

1- Butanol: TLV: (TWA) = 152 mg/m³ (50 ppm)

(maximum value)

UK;

Methanol – OES: 200 ppm (266mg/m³) (Long term exposure limit – 8H TWA reference period)

OES: 250 ppm (333mg/m³) (Short term exposure limit – 15 minute reference period)

Sk notation – can be absorbed through the skin 1- Butanol: OES: 50 ppm (154mg/m³) (Short term exposure limit – 15 minute reference period)

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State: Thixotropic paste

Colour: Various

Odour: Weak

Flash point °C: 117°C (Closed cup, according to method AFNOR T 60103)

Auto-ignition temperature: N/A

Oxidizing properties: non-oxidizing material according to EEC criteria

Specific gravity: Approx. 1400 kg/m³ @ 25°C (*)

Solubility;

In water: Practically insoluble

In organic solvents: Very slightly soluble in: Alcohol (Ethanol)

Dispersible (Partial solubilisation) in: Acetone

Aliphatic hydrocarbons

Aromatic hydrocarbons (Toluene, xylene)

Chlorinated solvents

9.2 Other information

Other information: No data available

[Cont...]

Section 10: Stability and reactivity

10.1 Reactivity

Reactivity: Stable under recommended transport or storage conditions

10.2 Chemical stability

Chemical stability: Stable at room temperature provided it is not in contact with air.
Vulcanises at room temperature when in contact with moisture in the air

10.3 Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions

10.4 Conditions to avoid

Conditions to avoid: Humidity. Heat. Direct sunlight

10.5 Incompatible materials

Materials to avoid: Water. Strong oxidising agents. Strong acids

10.6 Hazardous decomposition products

On contact with humidity, releases: Methanol (Quantity potentially released: < 3% of the weight of the product)

1- Butanol (Quantity potentially released: < 2% of the weight of the product)

On combustions forms: (Carbon oxides CO+CO₂)

Amorphous silica (Calcium oxide)

Section 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity: Not classified as harmful if swallowed (By calculation according to the conventional method)

Local effects: Repeated or prolonged contact may cause slight irritation to the skin. May cause slight temporary irritation to ocular mucous membranes.

Sensitisation: N/A

Further information: At high concentrations, the vapours can be irritating to the respiratory system

Section 12: Ecological information

12.1 Mobility

Precipitation: Slightly soluble product, readily forms deposits. Expected behaviour of the product.

Ultimate destination of the product: Soil and Sediment

12.2 Biodegradability

Not biodegradable

[Cont...]

12.3 Bioaccumulation

Not bioaccumulable

Section 13: Disposal considerations

13.1 Waste treatment methods

Disposal operations: Dispose of at a licensed waste collection point. Separate the different packaging components and treat them separately; incinerate plastic packaging at a licensed installation. Entrust the uncontaminated packaging to a licensed waste contractor. Following decontamination, re-use or recycle metal packaging. Disposable containers; incinerate at a licensed installation.

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

Section 14: Transport information

International regulations:

Land Rail/road (RID/ADR): Not restricted

Sea (IMO/IMDG): Not restricted

Air (ICAO-IATA): Not restricted

Other regulations:

United Kingdom:

Rail/road: Not restricted

Note: The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of transport regulations for hazardous materials, I would be advisable to check their validity with your sales office.

Section 15: Regulatory information

15.1 Labelling

EEC regulations: Mandatory labelling (self-classification) of hazardous preparations: N/A

15.2 Further Regulations

UK: Handle in accordance with relevant British legislation: Control of substances hazardous to health regulations

Environmental hygiene guidance: EH/40 occupational exposure limits (revised annually)

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the Safety Data Sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international, and local regulations or provisions

Section 16: Other information

Registration numbers: These polymers are not concerned by the EINECS inventory. The corresponding monomers are registered in the EINECS inventory. All the other constituents of this preparation are registered in the EINECS inventory. All the components of this preparation are registered in the TSCA inventory.

R Phrases of S2 & S3:

R 20: Harmful by inhalation

R 22: Harmful if swallowed.

R 23/24/25: Toxic by inhalation, in contact with skin and if swallowed

R 37/38: Irritating to respiratory system and skin

R 39/23/24/25: Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed

R 41: Risk of serious damage to eyes

R 67: Vapours may cause drowsiness and dizziness

* Update Subheadings and text which have been modified since the previous version is indicated with an asterisk (*)

Legal disclaimer

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfil his obligations regarding the use of hazardous products. This information is not exhaustive. This does not exonerate the user from ensuring that legal obligation, other than those mentioned, relating to the use and storage of the product, do not exist. This is solely his responsibility