

Material Safety Data Sheet according to (EC) 1907/2006 Tradename: CA® Flash	 Status: 26.05.2026 Page: 1 von 8
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SECTION 1: Identification of the substance/preparation and of the company/undertaking

1.1. Product identifier

Name of product: CA® Flash

UFI:

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

Use of the substance/mixture

Release agent, lubricating agent.

Uses advised against

Private households (= general public)

1.3. Details of the supplier of the safety data sheet

Manufacturer / distributor

SCHEU-DENTAL GmbH
 Am Burgberg 20
 D-58642 Iserlohn
 Tel. +49 (2374) 9288-0
 Fax +49 (2374) 9288-90

eMail: service@SCHEU-DENTAL.com
 Internet: www.SCHEU-DENTAL.com

1.4. Emergency telephone number: +49 (2374) 9288-0

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

This mixture is classified as not hazardous.

2.2. Label elements

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard statements

Not applicable

Precautionary statements

Not applicable

2.3. Other hazards

Following information applies to the component Polydimethylsiloxane:

Measurements taken at temperatures exceeding 150 °C have revealed that a small quantity of formaldehyde splits off through oxidative decomposition. Special danger of slipping by leaking/spilling product.

Endocrine disrupting properties, Results of PBT and vPvB assessment:

No data available

SECTION 3: Composition / information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Chemical characterisation:

Polydimethylsiloxane (5%) – emulsion in water

Material Safety Data Sheet according to (EC) 1907/2006



Tradename:

CA® Flash

Status: 26.05.2026
Page: 2 von 8

SECTION 4: First aid measures

4.1. Description of first aid measures

General Information:	First aider: Pay attention to self-protection!
In case of inhalation:	Move victim to fresh air. If you feel unwell, seek medical advice.
Following skin contact:	After contact with skin, wash immediately with soap and plenty of water. Take off contaminated clothing and wash it before reuse. In case of skin reactions, consult a physician.
After eyes contact:	Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Subsequently consult an ophthalmologist.
After ingestion:	Let water be swallowed in little sips. Never give anything by mouth to an unconscious person. Do not induce vomiting. Seek medical treatment in case of troubles.

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

No data available

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Use extinguishing material as appropriate for the surrounding area.

Unsuitable extinguishing media

Full water jet.

5.2. Special hazards arising from the substance or mixture

In the event of a fire, the following may be produced when the water evaporates: formaldehyde, silicon dioxide, carbon monoxide and carbon dioxide.

5.3. Advice for firefighters

Special protective equipment for fire-fighters:

In case of fire: Wear self-contained breathing apparatus and chemical protective clothing.

Additional information:

Do not allow water used to extinguish fire to enter drains, ground or waterways.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with the substance.

If possible, eliminate leakage. Provide adequate ventilation.

Wear appropriate protective equipment. Keep unprotected people away.

Take off contaminated clothing and wash it before reuse.

6.2. Environmental precautions

Do not allow to enter into ground-water, surface water or drains.

If necessary notify appropriate authorities.

6.3. Methods and material for containment and cleaning up

Soak up with absorbent materials such as sand, siliceous earth, acid- or universal binder. Store in special closed containers and dispose of according to ordinance.

Clean contaminated area with soap and water.

Material Safety Data Sheet according to (EC) 1907/2006		
Tradename:	CA® Flash	
		Status: 26.05.2026 Page: 3 von 8

Additional information:

Special danger of slipping by leaking/spilling product.

6.4. Reference to other sections

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

Advice on safe handling

Provide adequate ventilation, and local exhaust as needed. Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Wear appropriate protective equipment.

Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

Protect against heat, sun rays and frost.

Store containers in upright position.

Hints on joint storage

Keep away from food, drink and animal feedingstuffs.

7.3 Specific end use(s)

No information available.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Additional information

Contains no substances with occupational exposure limit values.

8.2. Exposure controls

Provide for good ventilation or exhaust system or work with completely self-contained equipment.

Personal protection equipment

Occupational exposure controls.

Respiratory protection

When vapours form:

Use filter type A (= against vapours of organic substances) according to EN 14387.

Hand protection

Protective gloves according to EN 374.

Glove material: butyl caoutchouc (butyl rubber) - Layer thickness: 0,7 mm

Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye/face protection

Tightly sealed goggles according to EN 166.

Body protection:

Wear suitable protective clothing.

Material Safety Data Sheet according to (EC) 1907/2006



Tradename:

CA® Flash

Status: 26.05.2026
Page: 4 von 8

General protection and hygiene measures

Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing.

Take off contaminated clothing and wash it before reuse.

Do not eat, drink or smoke when using this product.

Wash hands thoroughly after handling.

Environmental exposure controls.

Refer to "6.2 Environmental precautions".

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state:	Liquid
Colour:	milky-white
Odour:	weak, characteristic
Odour threshold:	No data available

Safety relevant basis data

	Parameter	Value	Unit	Remark
Melting point/freezing point:		- 50 - -35	°C	Polydimethylsiloxane
Initial boiling point and boiling range:				No data available
Flammability:				No data available
Lower flammability or explosive limits:				No data available
Upper flammability or explosive limits:				No data available
Flash point: (ISO 2592)		> 300	°C	
Auto-ignition temperature: (DIN 51794)		450	°C	Polydimethylsiloxane
Decomposition temperature:				No data available
pH:				No data available
Viscosity, dynamic: (DIN 53018)	at 25 °C	324 - 356	mmPa*s	Polydimethylsiloxane
Viscosity, kinematic: (DIN 53018)	at 25 °C	350	mm²/s	Polydimethylsiloxane
Water solubility (g/l):	at 20 °C			infinitely miscible
Partition coefficient: n-octanol/water:				No data available
Vapour pressure:				No data available
Density: (DIN51757)	at 25 °C	0,97	g/ml	Polydimethylsiloxane
Vapour density:				No data available
Particle characteristics:				Not applicable

9.2. Other information

Explosive properties: No data available

Oxidizing characteristics: No data available

Auto-ignition temperature: No data available

Evaporation rate: No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Refer to subsection "Possibility of hazardous reactions".

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions with proper and specified storage and handling

10.4. Conditions to avoid

Protect against heat, sun rays and frost.

10.5. Incompatible materials

No data available

Material Safety Data Sheet according to (EC) 1907/2006		
Tradename:	CA® Flash	
		Status: 26.05.2026 Page: 5 von 8

10.6. Hazardous decomposition products

No hazardous decomposition products when regulations for storage and handling are observed.

Thermal decomposition:

No data available

SECTION 11: Toxicological Information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological effects:

Acute toxicity (oral): Lack of data.
 Acute toxicity (dermal): Lack of data.
 Acute toxicity (inhalative): Lack of data.
 Skin corrosion/irritation: Lack of data.
 Serious eye damage/irritation: Lack of data.
 Sensitisation to the respiratory tract: Lack of data.
 Skin sensitisation: Lack of data.
 Germ cell mutagenicity/Genotoxicity: Lack of data.
 Carcinogenicity: Lack of data.
 Reproductive toxicity: Lack of data.
 Effects on or via lactation: Lack of data.
 Specific target organ toxicity (single exposure): Lack of data.
 Specific target organ toxicity (repeated exposure): Lack of data.
 Aspiration hazard: Lack of data.

11.2. Information on other hazards

Endocrine disrupting properties:

No data available

Other information:

Information about Polydimethylsiloxane:
 LD50 Rat, oral: > 5000 mg/kg
 LD50 Rat, dermal: > 2008 mg/kg

General remarks:

Following information applies to the component Polydimethylsiloxane:
 Measurements taken at temperatures exceeding 150 °C have revealed that a small quantity of formaldehyde splits off through oxidative decomposition.

SECTION 12: Ecological Information

12.1. Toxicity

Aquatic toxicity:

Information about Polydimethylsiloxane:
 According to experience to date, toxicity to fish is not expected.

Further details:

No indication of bioaccumulation potential.

12.2. Persistence and degradability

Further details:

Information about Polydimethylsiloxane:
 Product is not biodegradable. Polydimethylsiloxane are to a certain extent partly degradable through abiotic processes. Siloxanes are removed from water by sedimentation or binding to sewage sludge.

Effects in sewage plants:

Information about Polydimethylsiloxane: According to current data, no harmful effects are expected with release to sewage treatment facility.

Material Safety Data Sheet according to (EC) 1907/2006



Tradename:

CA® Flash

Status: 26.05.2026
Page: 6 von 8

12.3. Bioaccumulative potential

Partition coefficient: n-octanol/water:

No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Endocrine disruptive effect

No data available

12.7. Other adverse effects

General information:

Do not allow to penetrate into soil, waterbodies or drains.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal / Product:

Waste key number: 07 02 17 = waste containing silicones other than those mentioned in 07 02 16

Recommendation: Dispose of waste according to applicable legislation.

Appropriate disposal / Package

Recommendation: Dispose of waste according to applicable legislation.

Non-contaminated packages may be recycled.

SECTION 14: Transport Information

Land transport (ADR/RID)

14.1. UN number:	No hazardous material according to transport regulations.
14.2. UN proper shipping name:	
14.3. Transport hazard class(es):	
14.4. Packing group:	
Hazard label:	
Classification code:	
Special Provisions:	
Limited quantity:	
Transport category:	
Hazard No:	
Tunnel restriction code:	
Other applicable information (land transport)	

Inland waterways transport (ADN)

14.1. UN number:	No hazardous material according to transport regulations.
14.2. UN proper shipping name:	
14.3. Transport hazard class(es):	
14.4. Packing group:	
Hazard label:	
Classification code:	
Spezial Provisions:	
Limited quantity:	
Other applicable information (inland waterways transport)	

Marine transport (IMDG)

14.1. UN number:	No hazardous material according to transport regulations.
14.2. UN proper shipping name:	
14.3. Transport hazard class(es):	
14.4. Packaging group:	
Hazard label:	

Material Safety Data Sheet according to (EC) 1907/2006	
Tradename: CA® Flash	Status: 26.05.2026 Page: 7 von 8

Special Provisions::	
Limited quantity:	
EmS:	
Other applicable information (marine transport):	

Air transport (ICAO)	
14.1. UN number:	No hazardous material according to transport regulations.
14.2. UN proper shipping name:	
14.3. Transport hazard class(es):	
14.4. Packaging group:	
Hazard label:	
Special Provisions:	
Limited quantity Passenger:	
IATA-packing instructions - Passenger:	
IATA-max. quantity - Passenger:	
IATA-packing instructions - Cargo:	
IATA-max. quantity - Cargo:	
Other applicable information (air transport)	
Passenger-LQ:	

14.5. Environmental hazards

ADR/RID / IMDG / ICAO-TI / IATA-DGR: no
Marine pollutant: no

14.6. Special precautions for user
 No dangerous good in sense of these transport regulations.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
 No data available

SECTION 15: Regulatory Information

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

National regulations - EC member states
 Further regulations, limitations and legal requirements:
 No data available

15.2. Chemical Safety Assessment
 Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other Information

Further information
 The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Abbreviations and acronyms

AC:	Artikelkategorie (Article Category)
ACGIH:	Rat für Arbeitsschutz und Gefahrstoffe, Amerika (American Conference of Government Industrial Hygienists)
ADN:	Europäisches Übereinkommen über die internationale Beförderung gefährlicher Güter auf Binnengewässern (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)
ADR:	Europäisches Übereinkommen über die internationale Beförderung gefährlicher Güter auf der Straße (Accord européen relatif transport des marchandises dangereuses par route)
AGW:	Arbeitsplatzgrenzwert
AOX:	Adsorbierbare organisch gebundene Halogene (Adsorbable Organic halogen compounds)
Bw:	Körpergewicht (Body weight)
CMR:	Stoffe klassifiziert als Krebs erzeugend, Mutagen oder Reproduktionstoxisch (Carcinogenic, Mutagenic, toxic for Reproduction)

Material Safety Data Sheet according to (EC) 1907/2006



Tradename:

CA® Flash

Status: 26.05.2026

Page: 8 von 8

CSR:	Stoffsicherheitsbericht (Chemical Safety Report)
DIN:	Deutsches Institut für Normung / Deutsche Industrienorm
DNEL:	Grenzwert, unterhalb dessen der Stoff keine Wirkung ausübt (Derived No Effect Level)
DPD:	Zubereitungsrichtlinie / Richtlinie 1999-45-EC (Dangerous Preparations Directive)
DSD:	Stoffrichtlinie / Richtlinie 67-548-EC (Dangerous Substances Directive)
DU:	Nachgeschalteter Anwender (Downstream User)
EC50:	Wirksame Konzentration 50% (Effective Concentration 50%)
ECHA:	Europäische Chemikalienagentur
EN:	Europäische Norm
EWC/EWL:	Europäischer Abfallartenkatalog (European Waste Catalogue)
IATA:	Verband für den internationalen Lufttransport (International Air Transport Association)
IBC:	Großpackmittel (Intermediate Bulk Container)
ICAO:	Internationale Zivilluftfahrt-Organisation (International Civil Aviation Organization)
IMDG Code:	Gefahrgutvorschriften für den internationalen Seetransport (International Maritime Dangerous Goods Code)
IMO:	Internationale Seeschifffahrts-Organisation (International Maritime Organization)
ISO:	Internationale Normungsorganisation (International Standards Organisation)
LC50:	Lethale (Tödliche) Konzentration 50%
LD50:	Lethale (Tödliche) Dosis 50%
LEV:	Lokale Absaugung (Local exhaust ventilation)
MAK:	Maximale Arbeitsplatzkonzentration – DFG
n.a.:	nicht anwendbar
n.b.:	nicht bestimmt
OEL:	Arbeitsplatzgrenzwert (Occupational Exposure Limit)
PBT:	persistent, bioakkumulierbar, giftig (persistent, bioaccumulative, toxic)
PNEC:	Abgeschätzte Nicht-Effekt-Konzentration (Predicted No Effect Concentration)
PPE/PSA:	Persönliche Schutzausrüstung (Personal Protective Equipment)
REACH:	Registrierung, Bewertung und Zulassung von Chemikalien (Registration, Evaluation and Authorization of Chemicals)
RID:	Gefahrgutvorschriften für den Transport mit der Eisenbahn (Règlement International concernant le transport de marchandises dangereuses par chemin de fer)
STEL:	Grenzwert für Kurzzeiteexposition (Short-term Exposure Limit)
SVHC:	Stoff sehr hoher Besorgnis (Substance of Very High Concern)
TLV:	Arbeitsplatzgrenzwert (Threshold Limit Value)
VOC:	Flüchtige organische Kohlenwasserstoffe (Volatile Organic Compounds)
vPvB:	sehr persistent, sehr bioakkumulierbar (very persistent, very bioaccumulative)