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## FCCP

Version	Revision Date:	SDS Number:	Date of last issue: 03.04.2020
1.2	18.08.2021	SAG-R0002269	Date of first issue: 23.03.2020

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

#### 1.1 Product identifier

Trade name : FCCP

Product code : 6500-0059

Substance name : FCCP; catalog number 6500-0059

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

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

Company : Sartorius Corporation  
565 Johnson Avenue  
11716 Bohemia

E-mail address of person responsible for the SDS : CA-FM Department: Environment@sartorius.com

#### 1.4 Emergency telephone number

UK/Europe/Global: +44.1865.407.333 (Sartorius 29003)  
United States: +1.866.928.0789 (Toll free), (Sartorius 29003)  
Canada: +1.800.579.7421 (Toll free), (Sartorius 29003)  
United States & Canada (geographic): +1.202.464.2554 (Sartorius 29003)  
Asia-Pacific/East & South East Asia (without China): +65.3158.1074 (Sartorius 29003)  
Japan: +81.3.4578.9341 (Sartorius 29003)  
Indonesia: 007.803.011.0293 (Toll free Indonesia), (Sartorius 29003)  
Malaysia: +60.3.6207.4347 (Sartorius 29003)  
Thailand: 001.800.120.666.751 (Toll free Thailand), (Sartorius 29003)  
India: 000.800.100.7479 (Toll free India) or +65.3158.1198 (Sartorius 29003)  
South Korea: +82.2.3479.8401 (Sartorius 29003)  
Australia: +61.2.8014.4558 (Sartorius 29003)  
New Zealand: +64.9.929.1483 (Sartorius 29003)  
Middle East/Africa: +44.1235.239671 (Sartorius 29003)

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Acute toxicity, Category 3	H301: Toxic if swallowed.
Skin sensitisation, Category 1, Skin	H317: May cause an allergic skin reaction.
Long-term (chronic) aquatic hazard, Category 4	H413: May cause long lasting harmful effects to aquatic life.

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according to Regulation (EC) No. 1907/2006

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### Classification (67/548/EEC, 1999/45/EC)

Toxic	R25: Toxic if swallowed.
Irritant	R43: May cause sensitisation by skin contact.
Dangerous for the environment	R53: May cause long-term adverse effects in the aquatic environment.

## 2.2 Label elements

### Labelling REGULATION (EC) No 1272/2008

Hazard pictograms	:	
Signal word	:	Danger
Hazard statements	:	H301 Toxic if swallowed. H317 May cause an allergic skin reaction. H413 May cause long lasting harmful effects to aquatic life.
Precautionary statements	:	<b>Prevention:</b> P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. P273 Avoid release to the environment. P270 Do not eat, drink or smoke when using this product. <b>Response:</b> P311 Call a POISON CENTER /doctor. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P303 + P361 + P353 + P310 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. Immediately call a POISON CENTER or doctor/ physician. P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

## 2.3 Other hazards

None known.

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## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : Laboratory chemicals

#### Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
Trifluoromethoxy carbonylcyanide phenylhydrazone	370-86-5	T; T; R25 Xi; Xi; R43 N; R53	Acute Tox. 3; H301 Skin Sens. 1; H317 Aquatic Chronic 4; H413	<= 1
Dimethyl sulfoxide	67-68-5 200-664-3			<= 99

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- If inhaled : If breathed in, move person into fresh air.  
If symptoms persist, call a physician.
- In case of skin contact : Take off all contaminated clothing immediately.  
Wash off immediately with soap and plenty of water.  
If skin irritation persists, call a physician.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids,  
for at least 15 minutes.  
If eye irritation persists, consult a specialist.  
Remove contact lenses.
- If swallowed : Rinse mouth.  
Do not induce vomiting without medical advice.  
Call a physician immediately.

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

None known.

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

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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

### 5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : The product itself does not burn.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.  
Avoid any contact with the substance.

### 6.2 Environmental precautions

Environmental precautions : Do not let product enter drains.

### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Pick up and transfer to properly labelled containers.

### 6.4 Reference to other sections

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Wear personal protective equipment.  
Hygiene measures : Avoid contact with skin, eyes and clothing. When using do not eat or drink.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep containers tightly closed in a dry, cool and well-ventilated place. Keep refrigerated.

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Storage class (TRGS 510) : 6.1D, Non-combustible, acute toxic Cat.3 / toxic hazardous materials or hazardous materials causing chronic effects

### 7.3 Specific end use(s)

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

### 8.2 Exposure controls

#### Personal protective equipment

Eye protection	: Goggles
Hand protection	
Remarks	: Protective gloves
Skin and body protection	: Lab coat

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	: solid, liquid
Colour	: yellow

### 9.2 Other information

No data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

### 10.2 Chemical stability

### 10.3 Possibility of hazardous reactions

Hazardous reactions	: No dangerous reaction known under conditions of normal use. Stable under recommended storage conditions.
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### 10.4 Conditions to avoid

### 10.5 Incompatible materials

### 10.6 Hazardous decomposition products

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Components:

##### **Dimethyl sulfoxide:**

Acute oral toxicity : LD50 Oral (Rat, male and female): 28.300 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat, male and female): 5,33 mg/l  
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 Dermal (Rat, male and female): ca. 40.000 mg/kg

#### Skin corrosion/irritation

##### Components:

##### **Dimethyl sulfoxide:**

Species: Rabbit  
Exposure time: 4 h  
Method: OECD Test Guideline 404  
Remarks: slight irritation

#### Serious eye damage/eye irritation

##### Components:

##### **Dimethyl sulfoxide:**

Species: Rabbit  
Exposure time: 24 h  
Method: OECD Test Guideline 405  
Remarks: slight irritation

#### Respiratory or skin sensitisation

##### Components:

##### **Dimethyl sulfoxide:**

Species: Mouse  
Method: OECD Test Guideline 429  
Result: Does not cause skin sensitisation.

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Species: Guinea pig  
Method: OECD Test Guideline 406  
Result: Does not cause skin sensitisation.

### Germ cell mutagenicity

#### Components:

##### **Dimethyl sulfoxide:**

Genotoxicity in vitro : Remarks: In vitro tests did not show mutagenic effects

Genotoxicity in vivo : Result: In vivo tests did not show any chromosomal changes.

Germ cell mutagenicity- Assessment : Animal testing did not show any mutagenic effects.

### Carcinogenicity

#### Components:

##### **Dimethyl sulfoxide:**

Carcinogenicity - Assessment : No evidence of carcinogenicity in animal studies.

### Reproductive toxicity

#### Components:

##### **Dimethyl sulfoxide:**

Effects on fertility :  
Remarks: No embryotoxic effects have been observed in animal tests.

Effects on foetal development : Remarks: This information is not available.

Reproductive toxicity - Assessment : Animal testing did not show any effects on foetal development.

### Repeated dose toxicity

#### Components:

##### **Dimethyl sulfoxide:**

Species: Monkey, male and female  
NOAEL: 2.870 mg/kg  
Application Route: Oral  
Method: OECD Test Guideline 452

Species: Rat, male and female  
2,8 mg/l  
Application Route: inhalation (dust/mist/fume)  
Method: No information available.

Species: Monkey, male and female

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NOAEL: 8.910 mg/kg  
Application Route: Dermal  
Method: OECD Test Guideline 452

### Further information

**Product:**

Remarks: Acute Health Hazard

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## SECTION 12: Ecological information

### 12.1 Toxicity

**Components:**

**Dimethyl sulfoxide:**

Toxicity to fish : (Fish): 36.200 mg/l  
Exposure time: 96 h

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

Not relevant

### 12.6 Other adverse effects

**Product:**

Additional ecological information : Remarks: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : In accordance with local and national regulations.

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## SECTION 14: Transport information

### 14.1 UN number

<b>ADR</b>	:	UN 2811
<b>IMDG</b>	:	UN 2811
<b>IATA</b>	:	UN 2811

### 14.2 UN proper shipping name

<b>ADR</b>	:	TOXIC SOLID, ORGANIC, N.O.S.
<b>IMDG</b>	:	TOXIC SOLID, ORGANIC, N.O.S.
<b>IATA</b>	:	TOXIC SOLID, ORGANIC, N.O.S.

### 14.3 Transport hazard class(es)

<b>ADR</b>	:	
<b>IMDG</b>	:	
<b>IATA</b>	:	

### 14.4 Packing group

<b>ADR</b>		
Packing group	:	II
<b>IMDG</b>		
Packing group	:	II
<b>IATA</b>		
Packing group	:	II

### 14.5 Environmental hazards

<b>ADR</b>		
Environmentally hazardous	:	no
<b>IMDG</b>		
Marine pollutant	:	no

### 14.6 Special precautions for user

Not applicable

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

Not applicable for product as supplied.

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## SECTION 15: Regulatory information

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

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Water contaminating class (Germany) : WGK 2 obviously hazardous to water  
Remarks: Mixture

## 15.2 Chemical safety assessment

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### SECTION 16: Other information

#### Full text of R-Phrases

R25 : Toxic if swallowed.  
R43 : May cause sensitisation by skin contact.  
R53 : May cause long-term adverse effects in the aquatic environment.

#### Full text of H-Statements

H301 : Toxic if swallowed.  
H317 : May cause an allergic skin reaction.  
H413 : May cause long lasting harmful effects to aquatic life.

#### Full text of other abbreviations

Acute Tox. : Acute toxicity  
Aquatic Chronic : Long-term (chronic) aquatic hazard  
Skin Sens. : Skin sensitisation

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.

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