

## FULCAT-22 S

Product code: 000000000000158441

Version

1.1 SDS\_REG\_UN

Revision Date:

21.11.2022

Date of last issue: 11.09.2020

Date of first issue: 11.09.2020

**1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : FULCAT-22 S

Type of Application (Use) : Catalyst

**Manufacturer or supplier's details**

Company : BYK Additives Ltd.

Address : Moorfield Road  
WA8 3AA Widnes

Telephone : +49 281 670-23532

Telefax : +49 281 670-23533

E-mail address : GHS.BYK@altana.com

Emergency telephone number : Europe +44 1235 239670  
Middle East/Africa +44 1235 239671  
Americas +1 215 207 0061  
East/South East Asia +65 3158 1074  
(Local India: 000 800 100 7479)**2. HAZARDS IDENTIFICATION****GHS Classification**

Acute toxicity (Oral) : Category 5

Acute toxicity (Dermal) : Category 5

Carcinogenicity : Category 1A

Specific target organ toxicity - repeated exposure : Category 2 (Lungs)

**GHS label elements**

Hazard pictograms :



Signal word : Danger

Hazard statements : H303 + H313 May be harmful if swallowed or in contact with skin.  
H350 May cause cancer.  
H373 May cause damage to organs (Lungs) through prolonged or repeated exposure.

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Precautionary statements

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**Prevention:**

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**

P312 Call a POISON CENTER/ doctor if you feel unwell.

**Storage:**

P405 Store locked up.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards which do not result in classification**

None known.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture

: Substance

Chemical nature

: Acid leached phyllosilicate

**Hazardous components**

Chemical name	CAS-No.	Concentration (% w/w)
Quartz (SiO <sub>2</sub> )	14808-60-7	>= 1 - < 3

**4. FIRST AID MEASURES**

General advice

: Show this safety data sheet to the doctor in attendance.

Do not leave the victim unattended.

If inhaled

: If unconscious, place in recovery position and seek medical advice.

If symptoms persist, call a physician.

In case of skin contact

: Wash off with soap and water.

Get medical attention if irritation develops and persists.

If on clothes, remove clothes.

Wash contaminated clothing before re-use.

In case of eye contact

: Flush eyes with water as a precaution.

Remove contact lenses.

Protect unharmed eye.

Keep eye wide open while rinsing.

If eye irritation persists, consult a specialist.

If swallowed

: Rinse mouth with water.

If large quantities of this material are swallowed, call a physician immediately.

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		Induce vomiting immediately and call a physician. Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.
Most important symptoms and effects, both acute and delayed	:	No symptoms known or expected. Irritating to eyes, respiratory system and skin.
Notes to physician	:	Treat symptomatically.

### 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Water spray Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Carbon dioxide (CO <sub>2</sub> )
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during fire-fighting	:	The product itself does not burn. Material can be slippery when wet.
Hazardous combustion products	:	No hazardous combustion products are known
Specific extinguishing methods	:	Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Keep people away from and upwind of spill/leak. Material can create slippery conditions. Only qualified personnel equipped with suitable protective equipment may intervene. Use personal protective equipment. Avoid dust formation. Avoid breathing dust.
Environmental precautions	:	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	:	Pick up and arrange disposal without creating dust. Use approved industrial vacuum cleaner for removal. High efficiency particulate air filter (HEPA filter) Clean-up methods - large spillage Knock down dust with water spray jet. Shovel into suitable container for disposal. After cleaning, flush away traces with water.

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Clean-up methods - small spillage

Sweep up or vacuum up spillage and collect in suitable container for disposal.

Neutralize with chalk, alkali solution or ammonia.

Keep in suitable, closed containers for disposal.

### 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed.

Advice on safe handling : Avoid formation of respirable particles.  
Do not breathe vapours/dust.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Quartz (SiO <sub>2</sub> )	14808-60-7	TWA (Respirable fraction)	0,025 mg/m <sup>3</sup> (Silica)	ACGIH

**Engineering measures** : Ensure adequate ventilation.  
Maintain air concentrations below occupational exposure standards.  
Dust must be extracted directly at the point of origin.

#### Personal protective equipment

Hand protection

Remarks

: Use protective skin cream before handling the product.

Skin and body protection : Work uniform or laboratory coat.

Hygiene measures :

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : powder  
Colour : beige  
Odour : odourless  
Odour Threshold : Not applicable

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pH	:	3,6 Concentration: 20 g/l
Melting point/freezing point	:	Not applicable
Boiling point/boiling range	:	Not applicable
Flash point	:	Not applicable
Evaporation rate	:	No data available
Upper explosion limit	:	No data available
Lower explosion limit	:	No data available
Vapour pressure	:	Not applicable
Relative vapour density	:	Not applicable
Density	:	No data available
Bulk density	:	0,65 kg/m <sup>3</sup>
Solubility(ies)	:	
Water solubility	:	insoluble
Ignition temperature	:	Not applicable
Decomposition temperature	:	Not applicable
Viscosity	:	
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	Not applicable
Surface tension	:	No data available

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**10. STABILITY AND REACTIVITY**

Chemical stability	:	Stable under normal conditions.
Incompatible materials	:	Strong oxidizing agents
Hazardous decomposition products	:	No decomposition if stored and applied as directed.

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**11. TOXICOLOGICAL INFORMATION****Acute toxicity****Product:**

Acute oral toxicity	:	LD50(Rat): > 2.000 mg/kg Method: OECD Test Guideline 401
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Acute inhalation toxicity : LC50(Rat): > 50 mg/l  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50(Rat): > 2.000 mg/kg  
Method: OECD Test Guideline 402

**Skin corrosion/irritation****Product:**

Species: Rabbit

Method: OECD Test Guideline 404

Result: No skin irritation

GLP: yes

**Serious eye damage/eye irritation****Product:**

Species: Rabbit

Method: OECD Test Guideline 405

Result: No eye irritation

GLP: yes

**Respiratory or skin sensitisation****Product:**

Test Type: Mouse Local Lymph Node assay (LLNA)

Exposure routes: Dermal

Species: Mouse

Method: OECD Test Guideline 429

Result: Does not cause skin sensitisation.

**Germ cell mutagenicity****Product:**

Genotoxicity in vitro : Test Type: reverse mutation assay  
Species: Salmonella typhimurium  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative  
GLP: yes

: Test Type: Chromosome aberration test in vitro  
Species: Human lymphocytes  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 473  
Result: negative  
GLP: yes

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: Test Type: In vitro mammalian cell gene mutation test (mouse lymphoma)

Species: mouse lymphoma cells

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 476

Result: negative

GLP: yes

Genotoxicity in vivo : Remarks: No data available

**Carcinogenicity****Product:**

Remarks: No data available

**Reproductive toxicity****Product:**

Effects on fertility : Remarks: No data available

Effects on foetal development : Remarks: No data available

**STOT - single exposure****Product:**

Remarks: No data available

**STOT - repeated exposure****Product:**

Remarks: No data available

**Repeated dose toxicity****Product:**

Remarks: No data available

**Aspiration toxicity****Product:**

No data available

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**12. ECOLOGICAL INFORMATION****Ecotoxicity****Product:**

Toxicity to fish

:

Remarks: No data available

Toxicity to daphnia and other  
aquatic invertebrates

:

EC50 (Daphnia magna (Water flea)): > 100 mg/l  
Exposure time: 48 h  
Test Type: Immobilization  
Method: OECD Test Guideline 202

Toxicity to algae

:

EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l  
Exposure time: 72 h  
Test Type: Growth inhibition  
Method: OECD Test Guideline 201

Toxicity to microorganisms

:

EC50 (activated sludge): > 1.000 mg/l  
Exposure time: 3 h  
Test Type: Respiration inhibition  
Method: OECD Test Guideline 209**Persistence and degradability****Product:**

Biodegradability

:

Remarks: No data available

**Bioaccumulative potential****Product:**

Bioaccumulation

:

Remarks: No data available

**Mobility in soil****Product:**

Mobility

:

Remarks: Bentonite is almost insoluble and thus presents a  
low mobility in most soils**Other adverse effects**

No data available

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**13. DISPOSAL CONSIDERATIONS****Disposal methods**

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**14. TRANSPORT INFORMATION****International Regulations****UNRTDG**

Not regulated as a dangerous good

**IATA-DGR**

Not regulated as a dangerous good

**IMDG-Code**

Not regulated as a dangerous good

**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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**15. REGULATORY INFORMATION****Safety, health and environmental regulations/legislation specific for the substance or mixture**

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**16. OTHER INFORMATION**

The information contained herein is based on the present state of our knowledge and does therefore not guarantee certain properties.