

## BYK-MAX CT 4275

Product code: 000000000000156576

Version

2.0 SDS\_REG\_UN

Revision Date:

17.03.2023

Date of last issue: 26.02.2019

Date of first issue: 26.02.2019

**1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : BYK-MAX CT 4275

Type of Application (Use) : Additive for Reinforcement and weight reduction of thermo-plastic compounds

**Manufacturer or supplier's details**

Company : BYK USA LLC

Address : South Cherry Street 524  
06492 Wallingford

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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**

Carcinogenicity : Category 1A

**GHS label elements**

Hazard pictograms :



Signal word : Danger

Hazard statements : H350 May cause cancer.

Precautionary statements :

**Prevention:**

P201 Obtain special instructions before use.

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

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

**Response:**

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

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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 : Mixture  
Chemical nature : Organophilic phyllosilicate**Hazardous components**

| Chemical name              | CAS-No.    | Concentration (% w/w) |
|----------------------------|------------|-----------------------|
| Quartz (SiO <sub>2</sub> ) | 14808-60-7 | >= 0,25 - < 0,5       |

**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 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 : 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 information available.  
No information available.

Notes to physician : No information available.

**5. FIREFIGHTING MEASURES**

Suitable extinguishing media : Water mist  
Carbon dioxide (CO<sub>2</sub>)

Unsuitable extinguishing media : High volume water jet

Specific hazards during fire- : Handle as an industrial chemical.

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|--------------------------------|---|
| fighting                       | Keep dust to a minimum to avoid potential formation of explosive air/dust mixture.<br>Will not explode on mechanical impact.                        |
| Hazardous combustion products  | : Carbon oxides<br>Nitrogen oxides (NOx)<br>Ammonia   |
| Specific extinguishing methods | : Standard procedure for chemical fires.<br>Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |

## 6. ACCIDENTAL RELEASE MEASURES

|   |   |
|---|---|
| Personal precautions, protective equipment and emergency procedures | : Use personal protective equipment.<br>Avoid dust formation.<br>Avoid breathing dust.  |
| Environmental precautions   | : Prevent product from entering drains.<br>Prevent further leakage or spillage if safe to do so.<br>If the product contaminates rivers and lakes or drains inform respective authorities. |
| Methods and materials for containment and cleaning up               | : 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.<br>Do not breathe vapours/dust.<br>For personal protection see section 8.<br>Smoking, eating and drinking should be prohibited in the application area.<br>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 frac-         | 0,025 mg/m <sup>3</sup> (Silica)               | ACGIH |

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|  |  | tion) |  |  |
|--|--|-------|--|--|

**Engineering measures** : Use explosion-proof ventilating equipment.  
Maintain air concentrations below occupational exposure standards.

Filter type : Filter type P

Hygiene measures :

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : powder  
Colour : off-white  
Odour : odourless  
Odour Threshold : Not applicable

pH : 4 - 6 (20 °C)  
Concentration: 1 %  
Method: Universal pH-value indicator

Melting point/range : No data available

Boiling point/boiling range : No data available  
Flash point : Not applicable

Evaporation rate : Not applicable

Flammability (solid, gas) : May form combustible dust concentrations in air.

Burning rate : No data available

Upper explosion limit : Not applicable

Lower explosion limit : 100 - 120 mg/m<sup>3</sup>

Vapour pressure : Not applicable

Relative vapour density : Not applicable

Relative density : No data available

Density : **1,6 g/cm<sup>3</sup> (20 °C, 1.013 hPa)**  
Method: **estimated**

Bulk density : No data available

Solubility(ies)  
Water solubility : insoluble

Solubility in other solvents : No data available

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Partition coefficient: n-octanol/water : No bioaccumulation is to be expected.

Ignition temperature : 280 - 290 °C  
Ignition temperature dust layer

450 - 470 °C  
Ignition temperature dust layer

Decomposition temperature : No data available

Viscosity

Viscosity, dynamic : Not applicable

Viscosity, kinematic : Not applicable

Surface tension : No data available

Minimum explosible dust concentration : No data available

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**10. STABILITY AND REACTIVITY**

Conditions to avoid : Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.  
Keep away from open flames, hot surfaces and sources of ignition.  
Exposure to air or moisture over prolonged periods.

Incompatible materials : Strong oxidizing agents

Hazardous decomposition products : Stable under recommended storage conditions.

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

Acute oral toxicity : Remarks: No data available

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

Remarks: No data available

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

Remarks: No data available

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**Respiratory or skin sensitisation**

**Product:**

Remarks: No data available

**Germ cell mutagenicity**

**Product:**

Genotoxicity in vitro : Remarks: No data available

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 :  
Remarks: No data available

**Persistence and degradability**

**Product:**

Biodegradability : Remarks: No data available

**Bioaccumulative potential**

**Product:**

Bioaccumulation : Remarks: No data available

**Mobility in soil**

**Product:**

Mobility : Remarks: No data available

**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.