

TIXOGEL-DMC

Product code: 00000000000138942

Version

1.1 SDS_REG_UN

Revision Date:

15.12.2023

Date of last issue: 15.12.2023

Date of first issue: 15.12.2023

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : TIXOGEL-DMC

Type of Application (Use) : Rheology Additive

Manufacturer or supplier's details

Company : BYK USA LLC

Address : South Cherry Street 524
06492 Wallingford

Telephone : +1 203-265-2086

Telefax :

E-mail address : BRIEF.BYK.NAFTA@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**

Flammable solids : Category 1

Carcinogenicity : Category 1A

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H228 Flammable solid.
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.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P240 Ground and bond container and receiving equipment.

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P241 Use explosion-proof electrical/ ventilating/ lighting equipment.

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

Response:

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

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

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 : Mixture
Chemical nature : Gel of organophilic phyllosilicate

Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
Quartz (SiO ₂)	14808-60-7	>= 0,1 - < 0,25

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 : If on skin, rinse well with water.
If on clothes, remove clothes.

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 : 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 : No information available.

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and effects, both acute and delayed

No information available.

Notes to physician

: No information available.

5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Alcohol-resistant foam
Carbon dioxide (CO₂)
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during fire-fighting : Flash back possible over considerable distance.
Do not use a solid water stream as it may scatter and spread fire.
Fire burns more vigorously than would be expected.
The pressure in sealed containers can increase under the influence of heat.
Cool closed containers exposed to fire with water spray.
Vapours may form flammable mixture with air
Exposure to decomposition products may be a hazard to health.
Will not explode on mechanical impact.
Handle as an industrial chemical.
- Hazardous combustion products : Nitrogen oxides (NO_x)
Carbon oxides
Silicon oxides
- Specific extinguishing methods : For safety reasons in case of fire, cans should be stored separately in closed containments.
Use a water spray to cool fully closed containers.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
Avoid dust formation.
Avoid breathing dust.
Remove all sources of ignition.
- 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 : Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).
Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

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- 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.
Open drum carefully as content may be under pressure.
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 ₂)	14808-60-7	TWA (Respirable fraction)	0,025 mg/m ³ (Silica)	ACGIH

- Filter type : Filter type P
- Hand protection
- Material : Nitrile rubber
- Break through time : > 60 min
- Hygiene measures :

9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : gel
- Colour : light green
- Odour : characteristic
- pH : substance/mixture is non-soluble (in water)
- Melting point/freezing point : No data available
- Boiling point/boiling range : > 35 °C
- Flash point : 57,2 °C
- Flammability (solid, gas) : The substance or mixture is a flammable solid with the category 1.
- Upper explosion limit : No data available
- Lower explosion limit : No data available

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Vapour pressure	:	No data available
Density	:	1 g/cm ³ (20 °C, 1.013 hPa)
Solubility(ies)		
Water solubility	:	insoluble
Ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity		
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available

10. STABILITY AND REACTIVITY

Incompatible materials	:	Strong oxidizing agents
Hazardous decomposition products	:	No decomposition if stored and applied as directed.

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

Respiratory or skin sensitisation**Product:**

Remarks: No data available

Repeated dose toxicity**Product:**

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Remarks: No data available

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

No data available

Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS**Disposal methods**

14. TRANSPORT INFORMATION**International Regulations****UNRTDG**UN number : UN 1325
Proper shipping name : FLAMMABLE SOLID, ORGANIC, N.O.S.
(Siloxanes)
Class : 4.1
Packing group : II
Labels : 4.1**IATA-DGR**

UN/ID No. : UN 1325

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Proper shipping name : Flammable solid, organic, n.o.s.
(Siloxanes)

Class : 4.1

Packing group : II

Labels : Flammable Solid

Packing instruction (cargo aircraft) : 448

Packing instruction (passenger aircraft) : 445

IMDG-Code

UN number : UN 1325

Proper shipping name : FLAMMABLE SOLID, ORGANIC, N.O. S.
(Siloxanes)

Class : 4.1

Packing group : II

Labels : 4.1

EmS Code : F-A, S-G

Marine pollutant : no

Remarks : IMDG Segregation code 72 - See tables in 7.2.6.3

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

Not applicable for product as supplied.

15. REGULATORY INFORMATION

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

16. OTHER INFORMATION

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