# 9CP SAINT-GORAIN

# **SAFETY DATA SHEET**

## 1. Identification

Product identifier Monokote Z-146 High Density Fireproofing

Other means of identification

Product identifier 2691

**Recommended use** Specialty construction product. **Recommended restrictions** No other uses are advised.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name GCP

Address 20 Moores Rd.

Malvern, PA 19355

**United States** 

Telephone +1 866-333-3726
Website www.gcpat.com
E-mail Not available.

Emergency phone number 3E Global Incident Hotline

1 760 476 3962

1 866 519 4752 (Toll Free) Access Code: 336250

# 2. Hazard(s) identification

Physical hazards Not classified.

Health hazardsSkin corrosion/irritationCategory 2Serious eye damage/eye irritationCategory 1

Carcinogenicity Category 1

Specific target organ toxicity following single

Specific target organ toxicity following

exposure

xposure

repeated exposure

Environmental hazards Not classified.

OSHA defined hazards Not classified.

Label elements



Signal word Danger

**Hazard statement** Causes skin irritation. Causes serious eye damage. May cause respiratory irritation. May cause

cancer. Causes damage to organs (lungs) through prolonged or repeated exposure.

Precautionary statement

**Prevention** Obtain special instructions before use. Do not handle until all safety precautions have been read

and understood. Do not breathe mist/vapours. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear

Category 3 respiratory tract irritation

Category 1 (lungs)

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

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If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse Response

> cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison centre/doctor. If skin irritation occurs: Get medical

advice/attention. Take off contaminated clothing and wash it before reuse.

Storage Store in a well-ventilated place. Keep container tightly closed. Store locked up.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international

regulations.

Hazard(s) not otherwise

classified (HNOC)

None known.

Supplemental information None.

# 3. Composition/information on ingredients

#### **Mixture**

Chemical name	Common name and synonyms	CAS number	% (w/w)
Portland Cement		65997-15-1	30 - 60
Glass, oxide, chemicals		65997-17-3	1 - 5
Quartz (Impurity)		14808-60-7	1 - 5
Sodium Lauryl Sulfate		151-21-3	0.1 - 1

Composition comments

The exact concentrations of the above listed chemicals are being withheld as a trade secret. All concentrations are in percent by weight.

# 4. First-aid measures

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison

centre or doctor/physician if you feel unwell.

Skin contact Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get

medical advice/attention. Wash contaminated clothing before reuse.

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if

present and easy to do. Continue rinsing. Get medical attention immediately.

Ingestion Rinse mouth. Get medical attention if symptoms occur.

Most important

symptoms/effects, acute and

delayed

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. May cause respiratory irritation. Coughing. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic

Indication of immediate medical attention and special treatment

needed

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s)

involved, and take precautions to protect themselves.

## 5. Fire-fighting measures

Suitable extinguishing media

Use fire-extinguishing media appropriate for surrounding materials. Do not use water jet as an extinguisher, as this will spread the fire.

Unsuitable extinguishing media

Specific hazards arising from

the chemical

General information

During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Fire fighting

equipment/instructions

Move containers from fire area if you can do so without risk.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

General fire hazards No unusual fire or explosion hazards noted.

## 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Material can be slippery when wet.

Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Do not breathe dust. Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up

Keep unnecessary personnel away. Avoid dust formation. Pick up mechanically; Send for recovery or disposal in suitable receptacles.

Environmental precautions Avoid discharge into drains, water courses or onto the ground.

# 7. Handling and storage

Precautions for safe handling

Do not handle until all safety precautions have been read and understood. Wear appropriate personal protective equipment. Keep formation of airborne dusts to a minimum. Avoid breathing dust. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Provide adequate ventilation. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store in a place accessible by authorised persons only. Store in original tightly closed container. Store in accordance with local/regional/national/international regulation.

10 mg/m3

Total

## 8. Exposure controls/personal protection

#### Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

US. OSHA Table Z-1 Permissible Exposur Components	re Limits (PEL) for Air Contaminants Type	s (29 CFR 1910.100 Value	0) Form		
Portland Cement (CAS 65997-15-1)	PEL	5 mg/m3	Respirable fraction.		
		15 mg/m3	Total dust.		
Quartz (Impurity) (CAS 14808-60-7)	PEL	0.05 mg/m3	Respirable dust.		
US. OSHA Table Z-3 Permissible Exposur	e Limits (PEL) for Mineral Dusts (29	CFR 1910.1000)			
Components	Туре	Value	Form		
Portland Cement (CAS 65997-15-1)	TWA	50 Mppcf			
Quartz (Impurity) (CAS 14808-60-7)	TWA	0.1 mg/m3	Respirable.		
		2.4 Mppcf	Respirable.		
US. ACGIH Threshold Limit Values (TLV)					
Components	Туре	Value	Form		
Portland Cement (CAS 65997-15-1)	TWA	1 mg/m3	Respirable fraction.		
Quartz (Impurity) (CAS 14808-60-7)	TWA	0.025 mg/m3	Respirable fraction.		
NIOSH. Immediately Dangerous to Life or Health (IDLH) Values, as amended					
Components	Туре	Value			
Portland Cement (CAS 65997-15-1)	IDLH	5000 mg/m3			
Quartz (Impurity) (CAS 14808-60-7)	IDLH	50 mg/m3			
US. NIOSH: Pocket Guide to Chemical Hazards Recommended Exposure Limits (REL)					
Components	Time.	Value	Form		
	Туре	value	1 01111		

65997-15-1)

US. NIOSH: Pocket Guide to Chemical Hazards Recommended Exposure Limits (REL)

Components Type Value Form

Quartz (Impurity) (CAS TWA 0.05 mg/m3 Respirable dust.

14808-60-7)

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering

controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety

Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles).

Skin protection

**Hand protection** Wear appropriate chemical resistant gloves.

Use protective gloves made of: Nitrile gloves are recommended.

Other Wear suitable protective clothing.

Respiratory protection When workers are facing concentrations above the exposure limit they must use appropriate

certified respirators.

Thermal hazards Not applicable.

General hygiene considerations Observe any medical surveillance requirements. Always observe good personal hygiene

measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

# 9. Physical and chemical properties

**Appearance** 

Physical state Solid.
Form Powder.

Colour Natural concrete-gray.

Odour Characteristic.
Odour threshold Not available.
pH Not available.
Melting point/freezing point Not available.

Initial boiling point and boiling

range

Not available.

Flash point Not available.

Evaporation rate Not available.

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Explosive limit - lower (%) Not available.

Explosive limit - upper

Not available.

(%)

Vapour pressureNot available.Vapour densityNot available.Relative densityNot available.

Solubility(ies)

Solubility (water) Insoluble.

Partition coefficient (n-octanol/water)

Not available.

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Not available.

Other information

Explosive properties Not explosive.

Oxidising properties Not oxidising.

# 10. Stability and reactivity

**Reactivity**The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical stability** Material is stable under normal conditions.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

**Conditions to avoid**Contact with incompatible materials.

Incompatible materials None known.

Hazardous decomposition

products

Carbon dioxide. Carbon monoxide.

# 11. Toxicological information

#### Information on likely routes of exposure

**Inhalation** May cause irritation to the respiratory system. Prolonged inhalation may be harmful.

**Skin contact** Causes skin irritation.

**Eye contact** Causes serious eye damage.

**Ingestion** Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. May cause respiratory irritation.

Coughing. Skin irritation. May cause redness and pain.

#### Information on toxicological effects

Acute toxicity Not known.

Components Species Test Results

Sodium Lauryl Sulfate (CAS 151-21-3)

Acute Oral

LD50 Rat 1288 mg/kg

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye

Causes serious eye damage.

irritation

Respiratory or skin sensitisation

**Respiratory sensitisation** Not a respiratory sensitiser.

**Skin sensitisation** This product is not expected to cause skin sensitisation.

Germ cell mutagenicity

No data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Carcinogenicity May cause cancer.

#### IARC Monographs. Overall Evaluation of Carcinogenicity

Quartz (Impurity) (CAS 14808-60-7) 1 Carcinogenic to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Quartz (Impurity) (CAS 14808-60-7) Cance

**US. National Toxicology Program (NTP) Report on Carcinogens** 

Quartz (Impurity) (CAS 14808-60-7) Known To Be Human Carcinogen.

**Reproductive toxicity**This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity -

single exposure

May cause respiratory irritation.

**Specific target organ toxicity -** Causes damage to organs (lungs) through prolonged or repeated exposure.

repeated exposure

**Aspiration hazard** Not an aspiration hazard.

**Chronic effects** Prolonged inhalation may be harmful. Causes damage to organs through prolonged or

repeated exposure.

## 12. Ecological information

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

## 13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of

contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code**The waste code should be assigned in discussion between the user, the producer and the

waste disposal company.

Waste from residues / unused

products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container

is emptied. Empty containers should be taken to an approved waste handling site for recycling or

All components of the mixture on the TSCA 8(b) inventory are designated

disposal.

# 14. Transport information

DOT

Not regulated as dangerous goods.

**IATA** 

Not regulated as dangerous goods.

**IMDG** 

Not regulated as dangerous goods.

Transport in bulk according to

Annex II of MARPOL 73/78 and

the IBC Code

Not established.

## 15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200.

"active".

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

**Toxic Substances Control Act (TSCA)** 

**CERCLA Hazardous Substance List (40 CFR 302.4)** 

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Quartz (Impurity) (CAS 14808-60-7) Cancer

lung effects

immune system effects

kidney effects

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous

Classified hazard

Yes

chemical

Skin corrosion or irritation

categories Serious eye damage or eye irritation

Carcinogenicity

Specific target organ toxicity (single or repeated exposure)

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#### SARA 313 (TRI reporting)

Not regulated.

#### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act

Not regulated.

(SDWA)

#### **US** state regulations

#### **California Proposition 65**



Taiwan

WARNING: This product can expose you to Quartz (Impurity), which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

#### California Proposition 65 - CRT: Listed date/Carcinogenic substance

Inventory name

Quartz (Impurity) (CAS 14808-60-7) Listed: October 1, 1988

#### International Inventories

Country(s) or region

Australian Inventory of Industrial Chemicals (AICIS)	Yes
Domestic Substances List (DSL)	Yes
Non-Domestic Substances List (NDSL)	No
Inventory of Existing Chemical Substances in China (IECSC)	Yes
European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
European List of Notified Chemical Substances (ELINCS)	No
Inventory of Existing and New Chemical Substances (ENCS)	No
Existing Chemicals List (ECL)	Yes
New Zealand Inventory	Yes
Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
	Domestic Substances List (DSL)  Non-Domestic Substances List (NDSL)  Inventory of Existing Chemical Substances in China (IECSC)  European Inventory of Existing Commercial Chemical Substances (EINECS)  European List of Notified Chemical Substances (ELINCS)  Inventory of Existing and New Chemical Substances (ENCS)  Existing Chemicals List (ECL)  New Zealand Inventory  Philippine Inventory of Chemicals and Chemical Substances

<sup>\*</sup>A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Taiwan Chemical Substance Inventory (TCSI)

Toxic Substances Control Act (TSCA) Inventory

## 16. Other information, including date of preparation or last revision

Issue date 25-August-2025

Version No. 01

United States & Puerto Rico

Disclaimer GCP cannot anticipate all conditions under which this information and its product, or the products

of other manufacturers in combination with its product, may be used. It is the user's

responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the

sheet was written based on the best knowledge and experience currently available.

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Yes

Yes

On inventory (yes/no)\*