

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

1.1. Product identifier

Substance name : KWARK®, GRADES GL, GM, GS, XP
 Chemical name : polymer, silica aerogel
 CAS Number : 102262-30-6
 Product form : Substance

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Thermic and soundproofing

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

ENERSSENS
 46 rue Joseph Jacquard
 38110 ROCHETOIRIN - FRANCE
 Tel +33 (0)9 73 32 20 40
 contact@enersens.fr

1.4. Emergency telephone number

Emergency number : ORFILA (INRS) +33 (0) 1 45 42 59 59 CARECHEM +44 (0) 3700 492 795

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

2.2. Label elements

According to EC directives or the corresponding national regulations there is no labelling obligation for this product.

2.3. Other hazards

Adverse physicochemical, human health and environmental effects : Substance not yet completely tested.

Other hazards not contributing to the Classification : Potential dust explosion hazard.

SECTION 3: Composition/information on ingredients

3.1. Substances

Chemical name : polymer, silica aerogel
 CAS Number : 102262-30-6

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Polymer, silica aerogel	(CAS Number) 102262-30-6	100	Not classified

Full text of H-statements: see section 16.

3.2. Mixtures

Not applicable

KWARK®, GRADES GL, GM, GS, XP

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According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Remove person to uncontaminated area. Take off immediately all contaminated clothing. Place the victim in the recovery position.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.
First-aid measures after skin contact	: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. Get medical advice/attention if you feel unwell.
First-aid measures after eye contact	: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
First-aid measures after ingestion	: Rinse mouth. Never give anything by mouth to an unconscious person. Get medical advice/attention.

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

No additional information available

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

Get medical advice and attention if you feel unwell.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Carbon dioxide (CO ₂), dry chemical powder, foam.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Under fire conditions, hazardous fumes will be present.
Explosion hazard	: Potential dust explosion hazard from airborne release.
Hazardous decomposition products in case of fire	: Carbon oxides (CO, CO ₂). Organic compounds.

5.3. Advice for fire-fighters

Precautionary measures fire	: Evacuate the danger area. Do not breathe fumes from fires or vapours from decomposition. Eliminate all ignition sources if safe to do so.
Firefighting instructions	: Use water spray or fog for cooling exposed containers. Fight fire from safe distance and protected location.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection. Self-contained breathing apparatus.
Other information	: Large amounts of the product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Avoid creating or spreading dust.
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6.1.1. For non-emergency personnel

Emergency procedures	: If a major spill occurs, all personnel should be immediately evacuated and the area ventilated.
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6.1.2. For emergency responders

Protective equipment	: Wear suitable protective clothing, gloves and eye or face protection. Where excessive dust may result, wear approved mask.
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6.2. Environmental precautions

Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Dispose of at a licensed waste collection centre.

6.3. Methods and material for containment and cleaning up

For containment	: Dike and contain the spill. Sweep or shovel up spilled material and place in a suitable container for disposal. Dispose of materials or solid residues at an authorized site.
Methods for cleaning up	: Wash away remainder with plenty of water.

6.4. Reference to other sections

See Heading 8.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Local exhaust is needed at source of dust. Use personal protective equipment as required. Do not get in eyes, on skin, or on clothing. Avoid all unnecessary exposure. Take precautionary measures against static discharges.
- Hygiene measures : Do not eat, drink or smoke when using this product. Take off immediately all contaminated clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Provide adequate ventilation to minimize dust concentrations.
- Storage conditions : Keep in a cool, well-ventilated place away from moisture. Keep away from food, drink and animal feedingstuffs.
- Special rules on packaging : Store in tightly closed containers.

7.3. Specific end use(s)

No additional information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

KWARK®, GRADES GL, GM, GS, XP (102262-30-6)		
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	4 mg/m ³ By analogy with a similar product : Silicon dioxide CAS : 7631-86-9 (fraction inhalable)
United Kingdom	WEL TWA (mg/m ³)	2,4 mg/m ³ By analogy with a similar product : Silicon dioxide CAS : 7631-86-9 (fraction inhalable)
Polymer, silica aerogel (102262-30-6)		
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	4 mg/m ³ (By analogy with a similar product N°CAS: 7631-86-9) (inhalable aerosol).
United Kingdom	WEL TWA (mg/m ³)	6 mg/m ³ (By analogy with a similar product N°CAS: 7631-86-9) (inhalable aerosol).

8.2. Exposure controls

- Personal protective equipment : Protective clothing. Safety glasses. Gloves. Dust production: dust mask with filter type P3.
- Hand protection : Chemical resistant gloves (according to European standard NF EN 374 or equivalent).
- Eye protection : Wear tight fitting safety glasses or facial screen. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.
- Skin and body protection : Wear suitable protective clothing.
- Respiratory protection : Provide good ventilation in process area to prevent formation of vapour. Where excessive dust may result, use approved respiratory protection equipment. Dust/aerosol mask with filter type P3.



- Other information : Emergency safety showers should be available in the immediate vicinity of any potential exposure (European standard EN 15154).

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Solid
- Appearance : Pellet (grades GL, GM, GS); Powders (grades XP).
- Colour : Translucent. White.
- Odour : Odourless
- Odour threshold : Not applicable

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pH	: Not applicable
Relative evaporation rate (butylacetate=1)	: Not applicable
Melting point	: No data available
Freezing point	: No data available
Boiling point	: Not applicable
Flash point	: Not applicable
Auto-ignition temperature	: > 400 °C
Decomposition temperature	: > 450 °C (DSC)
Flammability (solid, gas)	: No data available
Vapour pressure	: Not applicable
Relative vapour density at 20 °C	: Not applicable
Relative density	: No data available
Density	: 50 – 100 kg/m ³
Solubility	: Insoluble in water
Log Pow	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: Not applicable
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

Minimum ignition energy : > 1000 mJ

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Potential dust explosion hazard from airborne release.

10.4. Conditions to avoid

Keep off any ignition sources (e.g. heat, sparks, flam, impact, friction, electricity...).

10.5. Incompatible materials

P No additional information available.

10.6. Hazardous decomposition products

Carbon oxides (CO, CO₂). Silica oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Polymer, silica aerogel (102262-30-6)

LD50 oral rat	> 2000 mg/kg (OECD 423)
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Skin corrosion/irritation	: Not classified. May cause skin irritation.
Serious eye damage/irritation	: Not classified. Dust from this product may cause eye irritation.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Other information	: Warning - substance not yet completely tested.

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SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : This material has not been tested for environmental effects.

12.2. Persistence and degradability

No additional information available.

12.3. Bioaccumulative potential

No additional information available.

12.4. Mobility in soil

No additional information available.

12.5. Results of PBT and vPvB assessment

No additional information available.

12.6. Other adverse effects

No additional information available.

SECTION 13 : Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of this material and its container at hazardous or special waste collection point. Do not empty into drains.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Not regulated for transport

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

14.6. Special precautions for user

- Overland transport

Transport regulations (ADR) : Not subject

- Transport by sea

Transport regulations (IMDG) : Not subject

- Air transport

Transport regulations (IATA) : Not subject

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

KWARK®, GRADES GL, GM, GS, XP is not on the REACH Candidate List

KWARK®, GRADES GL, GM, GS, XP is not on the REACH Annex XIV List

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

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SECTION 16: Other information

Indication of changes:

	Revision date	Modified	
	Supersedes	Modified	
	Date of issue	Modified	
1.3	Details of the supplier	Modified	
7.0	Details of the supplier	Modified	
8.0	Page layout	Modified	

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.