

## Safety Data Sheet

acc. to OSHA HCS

Printing date 05/19/2025

Reviewed on 05/19/2025

### \* 1 Identification

**Product identifier****Trade name:** Grouting compound type 1000A1 Comp. C, filler**Article number:** 1000A1 Komp.C**Application of the substance / the mixture** Auxiliary**Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

Kistler Instrument Corp.

75 John Glenn Drive, NY 14228-2171 Amherst, United States

**Information department:**

+1 716 691 5100

Monday to Friday 7 am – 5 pm (EST)

**Emergency telephone number:** +49 (0)6132-84463 (24 h; GBK GmbH)

### 2 Hazard(s) identification

**Classification of the substance or mixture**

GHS08 Health hazard

Carcinogenicity 1A H350 May cause cancer.

**Label elements****GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).**Hazard pictograms** GHS08**Signal word** Danger**Hazard-determining components of labeling:**

Quartz (crystalline silica)

Quartz (inhalable fraction)

**Hazard statements**

May cause cancer.

**Precautionary statements**

Obtain special instructions before use.

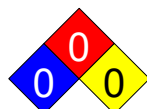
Do not handle until all safety precautions have been read and understood.

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

IF exposed or concerned: Get medical advice/attention.

Store locked up.

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

**Classification system:****NFPA ratings (scale 0 - 4)**

Health = 0

Fire = 0

Reactivity = 0

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**HMIS-ratings (scale 0 - 4)**

HEALTH	*0	Health = *0
FIRE	0	Fire = 0
REACTIVITY	0	Reactivity = 0

**Other hazards****Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.

### \* 3 Composition/information on ingredients

**Chemical characterization: Mixtures****Description:** Mixture of the substances listed below with nonhazardous additions.**Dangerous components:**

CAS: 14808-60-7	Quartz (crystalline silica)	99-100%
CAS: 14808-60-7	Quartz (inhalable fraction)	0.1-1%

### 4 First-aid measures

**Description of first aid measures****General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

**After inhalation:** Supply fresh air; consult doctor in case of complaints.**After skin contact:** Generally the product does not irritate the skin.**After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.**After swallowing:**

If symptoms persist consult doctor.

Do not induce vomiting! Rinse mouth and drink plenty of water.

**Information for doctor:****Most important symptoms and effects, both acute and delayed** No further relevant information available.**Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

### 5 Fire-fighting measures

**Extinguishing media****Suitable extinguishing agents:**CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.**Special hazards arising from the substance or mixture**

During heating or in case of fire poisonous gases are produced.

**Advice for firefighters****Protective equipment:** Mouth respiratory protective device.

### 6 Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

Mount respiratory protective device.

Avoid contact with skin and eyes.

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Ensure adequate ventilation

Wear protective clothing.

**Environmental precautions:** Do not allow to enter sewers/ surface or ground water.**Methods and material for containment and cleaning up:**

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

**Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

**Protective Action Criteria for Chemicals****PAC-1:**

CAS: 14808-60-7	Quartz (crystalline silica)	0.075 mg/m <sup>3</sup>
CAS: 14808-60-7	Quartz (inhalable fraction)	0.075 mg/m <sup>3</sup>

**PAC-2:**

CAS: 14808-60-7	Quartz (crystalline silica)	8.3 mg/m <sup>3</sup>
CAS: 14808-60-7	Quartz (inhalable fraction)	8.3 mg/m <sup>3</sup>

**PAC-3:**

CAS: 14808-60-7	Quartz (crystalline silica)	50 mg/m <sup>3</sup>
CAS: 14808-60-7	Quartz (inhalable fraction)	50 mg/m <sup>3</sup>

## 7 Handling and storage

**Handling:****Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.**Information about protection against explosions and fires:** Keep respiratory protective device available.**Conditions for safe storage, including any incompatibilities****Storage:****Requirements to be met by storerooms and receptacles:** No special requirements.**Information about storage in one common storage facility:** Not required.**Further information about storage conditions:**

None.

Store under lock and key and with access restricted to technical experts or their assistants only.

**Specific end use(s)** No further relevant information available.

## \* 8 Exposure controls/personal protection

**Additional information about design of technical systems:** No further data; see section 7.**Control parameters****Components with limit values that require monitoring at the workplace:****CAS: 14808-60-7 Quartz (crystalline silica)**

PEL	Long-term value: 0.05* mg/m <sup>3</sup> *resp. dust; 30mg/m <sup>3</sup> /%SiO <sub>2</sub> +2
REL	Long-term value: 0.05* mg/m <sup>3</sup> *respirable dust; See Pocket Guide App. A
TLV	Long-term value: 0.025* mg/m <sup>3</sup> *respirable particulate matter, A2

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<b>CAS: 14808-60-7 Quartz (inhalable fraction)</b>	
PEL	Long-term value: 0.05* mg/m <sup>3</sup> *resp. dust; 30mg/m3/%SiO2+2
REL	Long-term value: 0.05* mg/m <sup>3</sup> *respirable dust; See Pocket Guide App. A
TLV	Long-term value: 0.025* mg/m <sup>3</sup> *respirable particulate matter, A2

**Additional information:** The lists that were valid during the creation were used as basis.

**Exposure controls**

**Personal protective equipment:**

**General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.  
Wash hands before breaks and at the end of work.  
Store protective clothing separately.

**Breathing equipment:**

Respiratory protection recommended when the TLV limit is exceeded .  
Use suitable respiratory protective device in case of insufficient ventilation.

**Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

**For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:**

Butyl rubber, BR

**Eye protection:**



Tightly sealed goggles

**Body protection:** Protective work clothing

\* **9 Physical and chemical properties**

**Information on basic physical and chemical properties**

**General Information**

**Appearance:**

Form:	Solid
Color:	Beige
Odor:	Odorless

pH-value:	Mixture is non-soluble (in water).
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Change in condition	
Boiling point/Boiling range:	2230 °C (4046 °F)
Flash point:	Not applicable.
Flammability:	Not determined.
Decomposition temperature:	Not determined.
Ignition temperature:	Product is not selfigniting.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapor pressure:	Not applicable.
Density at 20 °C (68 °F):	2-3 g/cm³ (16.69-25.035 lbs/gal)
Relative density	Not determined.
Vapor density	Not applicable.
Evaporation rate	Not applicable.
Solubility in / Miscibility with	
Water:	Insoluble.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
Other information	No further relevant information available.

10 Stability and reactivity

**Reactivity** No further relevant information available.  
**Chemical stability**  
**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.  
**Possibility of hazardous reactions** No dangerous reactions known.  
**Conditions to avoid** No further relevant information available.  
**Incompatible materials:** No further relevant information available.  
**Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

**Information on toxicological effects**  
**Additional toxicological information:**  
The product shows the following dangers according to internally approved calculation methods for preparations:  
**Carcinogenic categories**

IARC (International Agency for Research on Cancer)		
CAS: 14808-60-7	Quartz (crystalline silica)	1
CAS: 14808-60-7	Quartz (inhalable fraction)	1

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NTP (National Toxicology Program)		
CAS: 14808-60-7	Quartz (crystalline silica)	K
CAS: 14808-60-7	Quartz (inhalable fraction)	K
OSHA-Ca (Occupational Safety & Health Administration)		
None of the ingredients is listed.		

12 Ecological information

**Toxicity**  
**Aquatic toxicity:** No further relevant information available.  
**Persistence and degradability** No further relevant information available.  
**Behavior in environmental systems:**  
**Bioaccumulative potential** No further relevant information available.  
**Mobility in soil** No further relevant information available.  
**Ecotoxicological effects:**  
**Other information:** Do not discharge into drains, surface waters or groundwater.  
**Additional ecological information:**  
**General notes:** Not hazardous for water.  
**Results of PBT and vPvB assessment**  
**PBT:** Not applicable.  
**vPvB:** Not applicable.  
**Other adverse effects** No further relevant information available.

13 Disposal considerations

**Waste treatment methods**  
**Recommendation:**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.  
**Uncleaned packagings:**  
**Recommendation:** Disposal must be made according to official regulations.  
**Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

UN-Number DOT, ADR, IMDG, IATA	Void
UN proper shipping name DOT, ADR, IMDG, IATA	Void
Transport hazard class(es) DOT, ADR, ADN, IMDG, IATA Class	Void
Packing group DOT, ADR, IMDG, IATA	Void
Environmental hazards: Marine pollutant:	No

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Special precautions for user	Not applicable.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
UN "Model Regulation":	Void

15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture  
No further relevant information available.

Sara

Section 355 (extremely hazardous substances):

None of the ingredient is listed.

Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

TSCA (Toxic Substances Control Act):

Quartz (crystalline silica)	ACTIVE
Quartz (inhalable fraction)	ACTIVE

Hazardous Air Pollutants

None of the ingredients is listed.

Proposition 65

Chemicals known to cause cancer:

All ingredients are listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

Cancerogenity categories

EPA (Environmental Protection Agency)

None of the ingredients is listed.

TLV (Threshold Limit Value)

CAS: 14808-60-7	Quartz (crystalline silica)	A2
CAS: 14808-60-7	Quartz (inhalable fraction)	A2

NIOSH-Ca (National Institute for Occupational Safety and Health)

All ingredients are listed.

GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms GHS08

Signal word Danger

Hazard-determining components of labeling:

Quartz (crystalline silica)  
Quartz (inhalable fraction)

Hazard statements

May cause cancer.

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**Precautionary statements**

Obtain special instructions before use.

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

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

IF exposed or concerned: Get medical advice/attention.

Store locked up.

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

**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**16 Other information**

The information corresponds to the current state of knowledge. Kistler reserves the right to make technical changes.

Liability for consequential damage resulting from the use of Kistler products is excluded.

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**Contact:****Date of preparation / last revision** 05/19/2025 / -**Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety &amp; Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Carcinogenicity 1A: Carcinogenicity – Category 1A

**\* Data compared to the previous version altered.**