

Safety Data Sheet

acc. to OSHA HCS

Printing date 01/13/2023

Reviewed on 01/13/2023

1 Identification

Product identifier

- Trade name: **ATTBLIME µScan liquid**
- Application of the substance / the mixture: **Matting agent**
- Uses advised against: **Matting agent**

Details of the supplier of the safety data sheet

- Manufacturer/Supplier: Graichen
Produktions- und Vertriebs-GmbH
Darmstädter Str. 127 - 129
D-64625 Bensheim
Tel.: +49(0)6251/73103
Fax: +49(0)6251/77901
e-mail: info@graichen-bensheim.de
homepage: http://www.graichen.net
- Information department: Product Safety Department
- Emergency telephone number: Graichen: During business hours :+49(0)6251 7707880
Graichen: Outside business hours: +49(0)172 7478476
Advice center for poisoning in Mainz Tel: +49(0)6131/19240 Poison information: +49(0)700/GIFTINFO
USA / CAN : 800-424-9300 (available 24 hrs)

2 Hazard(s) identification

Classification of the substance or mixture

The product is not classified, according to the Globally Harmonized System (GHS).

Label elements

- GHS label elements: Void
- Hazard pictograms: Void
- Signal word: Void
- Hazard statements: Void

Information pertaining to particular dangers for man and environment:

- NFPA ratings (scale 0 - 4)



- HMIS-ratings (scale 0 - 4)



Other hazards

- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

3 Composition/information on ingredients

Chemical characterization: Mixtures

- Dangerous components:

CAS: 471-34-1 | Kalk

25 – 50%

- Additional information: For the wording of the listed hazard phrases refer to section 16.

4 First-aid measures

Description of first aid measures

- 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.
- After swallowing: Seek immediate medical advice.
- 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: CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire fighting measures that suit the environment.

Special hazards arising from the substance or mixture

No further relevant information available.

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- Advice for firefighters
- Protective equipment: No special measures required.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures: Not required.
- Environmental precautions: Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system. Dilute with plenty of water.
- Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- Reference to other sections: See Section 8 for information on personal protection equipment. See Section 13 for disposal information.
- Protective Action Criteria for Chemicals

. PAC-1:		
CAS: 471-34-1	Kalk	45 mg/m ³
CAS: 7631-86-9	silicon dioxide, chemically prepared	18 mg/m ³
. PAC-2:		
CAS: 471-34-1	Kalk	210 mg/m ³
CAS: 7631-86-9	silicon dioxide, chemically prepared	740 mg/m ³
. PAC-3:		
CAS: 471-34-1	Kalk	1,300 mg/m ³
CAS: 7631-86-9	silicon dioxide, chemically prepared	4,500 mg/m ³

7 Handling and storage

- Handling:
 - Precautions for safe handling: No special precautions are necessary if used correctly.
 - Information about protection against explosions and fires: No special measures required.
- Conditions for safe storage, including any incompatibilities
 - Requirements to be met by storerooms and receptacles: No special requirements.
 - Information about storage in one common storage facility: Store away from foodstuffs.
 - Further information about storage conditions: Protect from contamination. Store receptacle in a well ventilated area. Prevent from drying out.
- 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 item 7.
- Control parameters

. Components with limit values that require monitoring at the workplace:	
CAS: 471-34-1 Kalk	
PEL	Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction
REL	Long-term value: 10* 5** mg/m ³ *total dust **respirable fraction
TLV	TLV withdrawn

- Additional information: The lists that were valid during the creation were used as basis.
- Exposure controls
 - Personal protective equipment:
 - General protective and hygienic measures: Wash hands before breaks and at the end of work.
 - Breathing equipment: Not required.
 - Protection of hands: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. 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

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- . Penetration time of glove material 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. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- . Eye protection: Goggles recommended during refilling.

9 Physical and chemical properties

. Information on basic physical and chemical properties

. General Information

. Appearance:

- Form: Viscous
- Color: White
- . Odor: Odorless
- . Odor threshold: Not determined.

. pH-value: Not determined.

. Change in condition

Boiling point/Boiling range: 100 °C (212 °F)

. Flash point: > 210 °C (> 410 °F)

. Flammability (solid, gaseous): Not applicable.

. Ignition temperature: > 370 °C (> 698 °F)

. Decomposition temperature: Not determined.

. Auto igniting: Product is not selfigniting.

. Danger of explosion: Not determined.

. Explosion limits:

- Lower: 3.5 Vol %
- Upper: 15 Vol %

. Vapor pressure at 20 °C (68 °F): 23 hPa (17.3 mm Hg)

. Density at 20 °C (68 °F): 2.179 g/cm³ (18.1838 lbs/gal)

. Relative density: Not determined.

. Vapor density: Not determined.

. Evaporation rate: Not determined.

. Solubility in / Miscibility with

Water: Fully miscible.

. Partition coefficient (n-octanol/water): Not determined.

. Viscosity:

Dynamic: Not determined.

. Solvent content:

Water: 60.0 %

VOC content: 0.00 %

Solids content: 40.0 %

. 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

. Acute toxicity:

. LD/LC50 values that are relevant for classification:

CAS: 7631-86-9 silicon dioxide, chemically prepared

Oral | LD50 | 10,000 mg/kg (rat)

. Primary irritant effect:

on the skin: No irritant effect.

on the eye: No irritating effect.

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- . Sensitization: No sensitizing effects known.
- . Additional toxicological information:
- . Carcinogenic categories

. IARC (International Agency for Research on Cancer)	
CAS: 7631-86-9 silicon dioxide, chemically prepared	3
. NTP (National Toxicology Program)	
None of the ingredients is listed.	
. 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.
- . **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

- . **Uncleaned packagings:**
- . Recommendation: Non contaminated packagings can be treated like household garbage.
- . Recommended cleansing agent: Water, if necessary with cleansing agents.

14 Transport information

. UN-Number	
. DOT, ADR, ADN, IMDG, IATA	Void
. UN proper shipping name	
. DOT, ADR, ADN, IMDG, IATA	Void
. Transport hazard class(es)	
. DOT, ADR, ADN, IMDG, IATA	
. Class	Void
. Packing group	
. DOT, ADR, IMDG, IATA	Void
. Environmental hazards: Not applicable.	
. 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 ingredients is listed.	
. Section 313 (Specific toxic chemical listings):	
None of the ingredients is listed.	
. TSCA (Toxic Substances Control Act):	
All components have the value ACTIVE.	
. Hazardous Air Pollutants	
None of the ingredients is listed.	

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. Proposition 65

. Chemicals known to cause cancer:
None of the ingredients is 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.

. Carcinogenic categories
. EPA (Environmental Protection Agency)
None of the ingredients is listed.

. TLV (Threshold Limit Value)
None of the ingredients is listed.

. MAK (German Maximum Workplace Concentration)
None of the ingredients is listed.

. NIOSH-Ca (National Institute for Occupational Safety and Health)
None of the ingredients is listed.

- . GHS label elements Void
- . Hazard pictograms Void
- . Signal word Void
- . Hazard statements Void
- . **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- . **Department issuing SDS:** Environment protection department.
- . **Contact:**
- . **Date of preparation / last revision** 01/13/2023
- . **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)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit

. * Data compared to the previous version altered.