

Product: GAK1008 & GAK1100




Safety data sheet.
According to: 453/2010/EC
Section 1. Identification of the substance/mixture & of the Company/undertaking
<p><u>1.1. Product identifier.</u> Product Name GAK1008, GAK1100 Product no. GAK1008, GAK1100</p> <p><u>1.2. Relevant identified uses of the substance or mixture and uses advised against.</u> Application of the substance: Sealant, Glue/bonding agent No further relevant information available.</p> <p><u>1.3. Details of the supplier of the safety data sheet.</u> Supplier. Gauge Factors Ltd, 3 Towergate Ind Park, Colebrook Way, Weyhill Road, Andover, Hants SP10-3BB</p> <p><u>1.4. Emergency telephone number.</u> +44(0)1264 336396 between 8.30 - 4.30 Mon - Fri. Not 24 hours. email: sales@gaugefactors.com</p>
Section 2. Composition/Details on Constituents
<p><u>2.1 Classification of the substance or mixture.</u> Classification according to Regulation (EC) No 1272/2008 The product is not classified according to the CLP regulation. Classification according to Directive 67/548/EEC or Directive 1999/45/EC: Not applicable Information concerning particular hazards for human and environment: The product does not have to be labelled due to the calculation procedure of the "General classification guideline for preparations of the EU" in the latest valid version. Classification system: The classification is according to the latest editions of the EU-lists, and extended by company and literature data.</p> <p><u>2.2 Label elements.</u> Label in accordance with regulation (EC) No 1272/2008: Void Hazard pictograms: Void Signal word: Void Hazard statements: Void Additional information: Contains Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate, N-(3-(trimethoxysilyl)propyl)ethylenediamine, N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine, dioctyltinbis(acetylacetonate). May produce an allergic reaction.</p> <p><u>2.3. Other hazards</u> Results of PBT and vPvB assessment. PBT: Not applicable vPvB: Not applicable</p>
Section 3. Composition/information on ingredients



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3.2 Mixture: Chemical characterisation.

Description: Mixture of substances listed below with non-hazardous additions.

<p>Dangerous components:</p> <p>CAS: 2768-02-7 EINECS: 22-449-8 Reg.nr: 01-2119513215-52-xxxxxx</p>	<p>Trimethoxyvinylsilane</p> <p> Xn R20 R10</p> <p> flam. Liq.3,H226.  Acute Tox. 4, H332</p>	<p>1-<5%</p>
<p>EC number: 907-495-0</p>	<p>Polyamide wax. R52</p>	<p>1-<5%</p>

Additional information: for the wording of the listed risk phrases refer to section 16.

Section 4. First Aid Measures

4.1. Description of first aid measures.

General: No special measures required.
Eye contact: Rinse opened eye for several minutes under running water.
Skin contact: Generally the product does not irritate the skin.
Inhalation: Supply fresh air; consult doctor in case of complaints.
Ingestion: If symptoms persist consult doctor.

4.2 Most important symptoms and effects both acute and delayed.

No further relevant information available.

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

No further relevant information available.

Section 5. Fire Fighting Measures.

5.1. Extinguishing media.

Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

5.2 Special hazards arising from the substance or mixture.

No further relevant information available.

5.3 Advice for fire fighters.

Protective equipment: Mouth respiratory protective device.

Section 6. Accidental Release Measures.

6.1 personal precautions, protective equipment and emergency procedures.

Ensure adequate ventilation.

6.2. Environmental precautions.

Do not allow to enter sewers/surface or ground water.

6.3. Methods and material for containment and cleaning up.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Pick up mechanically.

6.4. 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.

Section . Handling & Storage.

7.1. Precautions for safe handling. Use only in well ventilated areas.

Information about fire - and explosion protection: No special measures required.

7.2. 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

7.3. Specific end use(s)

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No further relevant information available.

Section 8. Exposure Controls/ Personal Protection

Additional information about design of technical facilities: No further data; See item 7.

8.1. Control parameters.

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Protective equipment:

Process conditions

Engineering measures

Respiratory equipment: Not required

Hand protection: 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 preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Eye protection: Goggles recommended during refilling.

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.

Other protection: n/a

hygiene measures: The usual precautionary measures are to be adhered to when handling chemicals

Section 9. Physical and Chemical Properties.

9.1. Information on basic physical and chemical properties.

Appearance

Form: Pasty

Colour: Various colours

9.2. Other information.

Odour: Characteristic

Odour threshold: Not determined

pH Value: Undetermined.

Change in condition: Melting point/range: undetermined. Boiling point/range: 270°C

Flash point: >100°C

Flammability (solid, gaseous): n/a

Ignition temperature: 420°C

Decomposition temperature: Not determined.

Self igniting: Product is not self igniting.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits: Lower: 0.1 Vol % Undetermined. Upper: 0.2% Undetermined.

Vapour pressure: Undetermined.

Density at 20°C: 1.54 g/cm³

Relative density: Not determined.

Vapour density: Not determined.

Evaporation rate: Not determined.

Solubility in/ Miscibility with water: Not miscible or difficult to mix.

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

Viscosity: Dynamic - not determined. Kinematic - not determined.

Solvent content: VOC (EC) 2.34%. VOC (EC) 36.0g/l

Other information: No further relevant information available.

Section 10. Stability and Reactivity.

10.1. Reactivity.

10.2. Chemical stability.

Thermal decomposition/conditions to be avoided: No decomposition if used according to specifications.

10.3. Possibility of hazardous reactions. No dangerous reactions known.



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10.4. conditions to avoid. No further relevant information available.
10.5. incompatible materials. No further relevant information available.
10.6. Hazardous decomposition products. No dangerous decomposition products known.

Section 11. Toxicological Information.

11.1 Information on toxicological effects.
Acute toxicity: Primary irritant effect:
On the skin: No irritant effect.
On the eye: No irritating effect.
Sensitisation: No sensitising effects known.
Additional toxicological information: The product is not subject to classification according to the calculation method of the General EU Classification Guideline for preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us

12. Ecological Information.

12.1 Toxicity
Aquatic toxicity: No further relevant information available.
12.2 Persistence and degradability: No further relevant information available.
12.3 Bioaccumulative potential: No further relevant information available.
12.4 Mobility in soil: No further relevant information available.
Additional ecological information.
General notes: Water hazard 1 (German regulation) (Self-assessment):slightly hazardous for water. Do Not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
12.5 Results of PBT and vPvB assessment.
PBT: n/a
vPvB: n/a
12.6 Other adverse effects. No further relevant information available.

13. Disposal Considerations.

13.1 Waste treatment methods. Recommendation: Disposal must be made according to official regulations.
European waste catalogue: 08 04 09* Waste adhesives and sealants containing organic solvents or other dangerous substances.
Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.

14. Transport Information.

14.1 U.N. Number	Void
14.2 U.N. proper shipping name	Void
14.3 Transport hazard class(es)	Void
14.4 Packaging group. ADR,IMDG,IATA	Void
14.5 Environmental hazards: Marine pollutant:	No
14.6 Special precautions for user	n/a
14.7 Transport in bulk according to annex II of MARPOL73/78 and the IBC code	n/a
UN "model regulation"	-

Customs code: 3506-1000000 Commodity code: 3506-100000

15. Regulatory Information.

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

National regulations:

Other regulations, limitations and prohibitive regulations -

15.2 Chemical safety assessment: A chemical safety assessment has not been carried out.

16. Other Information.

This product Safety data sheet was prepared in compliance with Commission Directive 91/155/EEC, 67/548/EEC and 1999/45/EC as well as their relevant amendments, on the approximation of laws, regulations and administrative provisions relative to the classification, packaging and labelling of dangerous substances and preparations.

This product should only be used as stated in Gauge Factors Ltd Literature. It is the responsibility of the persons in receipt of this Safety; Data Sheet to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in to contact with the product, If the recipient subsequently produces a formulation containing the Gauge Factors Ltd product, it is the recipients sole responsibility to ensure the transfer of all relevant information from the Gauge Factors Ltd Product Safety Data Sheet to their own product Safety Data Sheet in compliance with Commission directive 1999/45/EC.

All sections of this Safety Data Sheet have been amended since the previous version.

All information and instructions provided in the Safety Data Sheet (SDS) are based on the current state of scientific and technical knowledge at the date indicated on the present SDS. Gauge Factors Ltd shall not be held responsible for any defect in the product covered by this SDS, should the existence of such defect not be detectable considering the current state of scientific and technical knowledge.

N/k = not known

N/a = not applicable

N/d = not determined

Disclaimer: The information provided in this Safety data sheet is consistent with the information in the Chemical safety report, as far as this information was available at the time of compilation.

The information of this safety data sheet is based on the present state of our knowledge and on current EC and national laws, as the users' working conditions are beyond our knowledge and control. The user is always responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this Safety data sheet provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. The information provided relates only to the specific product designated and may not be valid for such product used in combination with any other product. The product must not be used for any purposes other than those specified without first obtaining written handling instructions.