

Product: GAK1073

Safety data sheet.

GAK1073 High strength polymer adhesive

Section 1. Identification of the substance/mixture & of the Company/undertaking

1.1. Product identifier.

Product Name GAK1073 High strength polymer adhesive.
Product no. GAK1073

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

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites.
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
Product category: PC1 Adhesives, sealants.
Process category: PROC10 Roller application of brushing.
Environmental release category:
ERC5 industrial use resulting in inclusion into or onto a matrix.
ERC8c Wide dispersive indoor use resulting in inclusion into or onto a matrix.
ERC8f Wide dispersive outdoor use resulting in inclusion into or onto a matrix.
Application of the substance/the mixture: Adhesive and sealant.

1.3. Details of the supplier of the safety data sheet.

Supplier. Gauge Factors Ltd, 3 Towergate Ind Pk., Colebrook Way, Andover, Hants. SP10 3BB UK

1.4. Emergency telephone number.

+44(0)1264 336396 between 8.30 - 4.30 Mon – Fr. Not 24 hours
Email: sales@gaugefactors.com

Section 2. Composition/Details on Constituents

2.1 Classification of the substance or mixture.

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 the preparations of the EU” in the latest valid version.

Classification system: The classifications according to the latest editions of the EU-Lists, and extended by company and literature data.

2.2 Label elements.

Labelling according to Regulation (/EC) No 1272/2008: Void

Hazard pictograms: Void

Signal word: Void

Hazard statements: Void

Additional information: Contains N-(3-(trimethoxysilyl)propyl)ethylenediamine. May produce an allergic reaction

2.3. Other hazards

Results of PBT/vPvB assessment.

PBT: Not applicable

vPvB: Not applicable

Section 3. Composition/information on ingredients

Product: GAK1073

3.2 Mixtures

Description: Sealant and adhesive based on MS-hybrid-polymer

Dangerous components		
CAS: 1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine	0,3-<1%
EINECS: 217-164-6	Xn R20; Xi R41; Xi R43; NR51/53	
Reg.Nr: 01-2119970215-39-xxxx	Eye Dam. 1. H318; Aquatic Chronic 2, H411; Acute Tox. 4, H332, Skin Sens. 1B H317	

Additional information: For the wording of the listed risk phrases refer to section 16. N.a.

Section 4. First Aid Measures

4.1. Description of first aid measures.

General information: No special measures required.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Wash with plenty of water or water and soap. In cases of sickness seek medical advice (show label if possible)

After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: **Drink plenty of water. Seek medical advice immediately and show the label or packaging.**

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: CO² powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture.

Formation of toxic gasses is possible during heating or in case of fire.

5.3 Advice for firefighters.

Protective equipment: Wear self-contained respiratory protective device. Wear fully protective suit.

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.

Pick up mechanically.

Dispose contaminated material as waste according to item 13.

6.4. Reference to other sections.

No dangerous substances are released.

Section 7. Handling & Storage.

Product: GAK1073

7.1. Precautions for safe handling.

Observe the general safety regulations when handling chemicals.

Information about fire – and explosion protection:

Apply general precautions to prevent fire hazard.

7.2. Conditions for safe storage, including any incompatibilities.
Requirements to be met by storerooms and receptacles: Store product only in tightly closed original containers.

Information about storage in one common storage facility: Store away from foodstuffs.

Further information about storage conditions: Store product in a cool dry and well ventilated areas.

7.3. Specific end use(s)

No further relevant data 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
Person protective equipment: General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Do not eat, drink, smoke or sniff while working.

Respiratory protection: Not necessary if room is well-ventilated.

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

Material of gloves:

Nitrile rubber NBR

Natural rubber NR

PVA gloves

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.

Eye protection: Goggles recommended during refilling.

Body protection: Light weight protective clothing recommended.

Section 9. Physical and Chemical Properties.

9.1. Information on basic physical and chemical properties.

Appearance: Form	Pasty	Appearance: Colour:	According to product spec.
ODOUR:	Characteristic	Odour threshold:	Not determined.
pH-value:	Not determined	Change in condition. Melting point/ range:	Undetermined
Flash point:	Undetermined	Boiling point/range:	Undetermined
Flammability (solid, gaseous)	Not applicable	Flammability:	Not applicable
Self-igniting	Product is not self-igniting	Decomposition temperature	Not determined
Explosion limits: Lower	Not determined	Danger of explosion:	No explosion hazard
Vapour pressure:	Not determined	Upper:	Not determined
Relative density:	Not determined	Density at 20°C	1,3,g/cm ³
Evaporation rate:	Not determined	Vapour density	Not determined
		Solubility in/Miscibility	Not miscible or difficult

Product: GAK1073

Partition coefficient (n-octanol/water):	Not determined	with water: Viscosity: Dynamic/Kinematic:	to mix. Not determined
<p><u>9.2. Other information.</u> No further relevant data available.</p>			
<p>Section 10. Stability and Reactivity.</p>			
<p><u>10.1. Reactivity.</u></p> <p><u>10.2. Chemical stability.</u> Thermal decomposition/conditions to be avoided: No decomposition if used according to specifications.</p> <p><u>10.3. Possibility of hazardous reactions.</u> No dangerous reactions known</p> <p><u>10.4. Conditions to avoid.</u> No further relevant information available.</p> <p><u>10.5. Incompatible materials.</u> Materials to avoid: Avoid contact with other chemicals</p> <p><u>10.6. Hazardous decomposition products.</u> No dangerous products known.</p>			
<p>Section 11. Toxicological Information.</p>			
<p><u>11.1 Information on toxicological effects.</u> Acute toxicity: Primary irritant effect: On the skin: No irritant effect known. On the eye: No irritating effect known Additional toxicological information: When used and handled according to specifications the product does not have any harmful effects to our experience and the information provided to us. The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for preparations as issued in the latest version.</p>			
<p>12. Ecological Information.</p>			
<p><u>12.1 Toxicity</u> Aquatic toxicity: No further relevant information available.</p> <p><u>12.2 Persistence and degradability:</u> Not easily biodegradable.</p> <p><u>12.3 Bioaccumulative potential:</u> No further relevant information available.</p> <p><u>12.4 Mobility in soil:</u> No further relevant information available.</p> <p>Additional ecological information: General notes: Water hazard class1 (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.</p> <p><u>12.5 Results of PBT and vPvB assessment.</u> PBT: Not applicable. vPvB: Not applicable.</p> <p><u>12.6 Other adverse effects.</u> No further relevant information available.</p>			
<p>13. Disposal Considerations.</p>			

Product: GAK1073

13.1 Waste code number:

Recommendation: On the basis of the necessary technical regulations and after consultation with the disposal agent and the relevant authorities, can be disposed of with domestic waste or incinerated with domestic waste.
 Smaller quantities can be disposed of with household waste.

European waste catalogue	
08 04 10	Waste adhesives and sealants other than those mentioned in 08 04 09
15 01 01	Paper and cardboard packaging
5 01 02	Plastic packaging

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

14. Transport Information.

14.1. UN Number. ADR, AND, IMDG, I/ATA	Void
14.2. UN Proper shipping name ADR, AND, IMDG, IATA	Void
14.3. Transport hazard class(es) ADR, AND IMDG, IATA	Void
14.4. Packing group. ADR, IMDG, IATA	Void
14.5. Environmental hazards: Marine pollutant	No
14.6. Special precautions for user	Not applicable
14.7. Transport in bulk according to annex II of MARPOL73/78 and IBC code.	Not applicable
UN "model regulation"	-

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

15. Regulatory Information.

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

15.2 Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

16. Other Information.
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

Product: GAK1073

N/d = not determined

Relevant phrases

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H332 Harmful if inhaled.

H411 Toxic to aquatic life with long lasting effects.

R20 Harmful b inhalation.

R41 Risk of serious damage to eyes.

R43 May cause sensitisation by skin contact.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.