



Product: GAK1050 Resin (use with GAK1050 hardener)

Safety data sheet.							
GAK1050 Resin Part 1							
Section 1. Identification of the substance/mixture & of the Company/undertaking							
<p><u>1.1. Product identifier.</u> Product Name GAK 1050 Resin</p> <p><u>1.2. Relevant identified uses of the substance or mixture and uses advised against.</u> Identified uses.</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</p>							
Section 2. Composition/Details on Constituents							
<p>2.1 Classification of the substance or mixture. 1999/45/EC: Xi;R36/38-43 N; R51/53 Symbols: Xi; irritant. N: Dangerous for the environment.</p> <p>2.1.1 Main hazards: Irritating to eyes and skin. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p> <p>2.1.2 Classification - EC 1272/2008: Skin irrit. 2; H315; skin sens. 1:H317; Eye irrit. 2: H319; Aquatic chronic 2: H411.</p> <p>2.2 Label elements. Label in accordance with.....</p> <div style="text-align: center;">   </div> <p>Signal word. Warning Hazard statements: Skin irrit. 2: H315 - causes skin irritation. Skin Sens. 1: H317 - may cause an allergic skin reaction. Eye Irrit. 2: H319 - Causes serious eye irritation. Aquatic chronic 2: H411 - Toxic to aquatic life with long lasting effects.</p> <p>Precautionary statements. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray P264 - Wash thoroughly after handling P272 - contaminated work clothing should not be allowed out of the workplace. P273 - avoid release to the environment. P280 - wear protective gloves/protective clothing/eye protection/face protection.</p> <p>Precautionary statement: response. P302+P352 IF ON SKIN: Wash with plenty of water/ P305+P351+338 - IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do . Continue rinsing. P321 - Specific treatment (see on this label) P332+P313 - if skin irritation occurs: Get medical advice/attention. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: get medical advice/attention P391 - Collect spillage.</p> <p>Precautionary statement disposal: P501 - Dispose of contents/container too</p>							
Section 3. Composition/information on ingredients							
<u>3.2 Mixtures</u>							
<u>67/548/EEC / 1999/45/EC</u>							
Chemical name	Index no	CAS No.	EC No.	REACH registration no.	Conc. (%W/W)	Classification	M Factor
Carbon black		1333-86-4	215-609-9				
Bisphenol A- (epichlorhydrin) (reaction product)	603-074-00-8	25068-38-6	500-033-5			Xi;R36/38 R43 N; R51/53	

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Kaolin		1332-58-7	310-194-1				
EC 1272/2008							
Bisphenol A- (pichlorhydrin) (Reaction product)	603-074-00-8	25068-38-6	500-033-5				Eye irrit. 2: H319; skin irrit.2: H315; Skin Sens. 1: H317; Aquatic chronic 2: H411;
Kaolin		1332-58-7	310-194-1				

Section 4. First Aid Measures

4.1. Description of first aid measures.

Eye contact: Bathe the eye with running water for 15 minutes. Irritating to eyes. Seek medical attention if irritation or symptoms persist.
Skin contact: Irritating to skin. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist. Wash off immediately with plenty of soap and water.
Inhalation : Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist
Ingestion: DO NOT INDUCE VOMITING. Seek medical attention if irritation or symptoms persist. Rinse mouth thoroughly.

Section 5. Fire Fighting Measures.

5.1. Extinguishing media: Carbon oxides

5.2 Special hazards arising from the substance or mixture: Burning produces irritating, toxic and obnoxious fumes.

5.3 Advice for fire fighters: Wear suitable respiratory equipment when necessary.

Section 6. Accidental Release Measures.

6.1 personal precautions, protective equipment and emergency procedures: Ensure adequate ventilation of the working areas. Wear suitable protective clothing.

6.2. Environmental precautions: Do not allow product to enter drains. Prevent further spillage if safe.

6.3. Methods and material for containment and cleaning up: Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled container.

Section . Handling & Storage.

7.1. Precautions for safe handling: Adopt best Manual handling considerations when handling, carrying and dispensing. Avoid contact with eyes and skin. Ensure adequate ventilation of the working area.

7.2. Conditions for safe storage, including any incompatibilities: Keep container tightly closed. Keep in a cool, dry, well ventilated area. Store in correctly labelled containers.

Section 8. Exposure Controls/ Personal Protection

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8.1. Control parameters.

Carbon Black	WEL 8-hr limit ppm: - WEL 15min limit ppm: - Inhalable dust WEL 8-hr limit mg/m3 total: - Respirable dust WEL 8-hr limit mg/m3 total: -	WEL 8 -hr limit mg/m3: 3.5 WEL 15 min limit mg/m3: 7 Inhalable dust WEL 15 min limit mg/m3 total - Respirable WEL 15 min limit mg/m3 total -
Kaolin	WEL 8-hr limit ppm: - WEL 15min limit ppm: - Inhalable dust WEL 8-hr limit mg/m3 total: - Respirable dust WEL 8-hr limit mg/m3 total: 2	WEL 8 -hr limit mg/m3: - WEL 15 min limit mg/m3: - Inhalable dust WEL 15 min limit mg/m3 total - Respirable WEL 15 min limit mg/m3 total -

8.2 Exposure controls

Protective equipment: Wear suitable protective clothing.
Engineering measures: Ensure adequate ventilation of the working area.
Respiratory equipment: -
Hand/skin protection: Wear suitable protective clothing and gloves.
Eye/face protection: Approved safety goggles.
Other protection: -
hygiene measures: -

Section 9. Physical and Chemical Properties.

9.1. Information on basic physical and chemical properties.

Appearance: :Liquid
Colour: Black
Odour: Characteristic

9.2. Other information.

Initial boiling point: 150
Flash point: 150
Relative density: 1.35
Water solubility: Insoluble in water

Section 10. Stability and Reactivity.

10.1. Reactivity. n/a

10.2. Chemical stability. Stable under normal conditions.

10.3. Possibility of hazardous reactions. n/a

10.4. conditions to avoid. n/a

10.5. incompatible materials. n/a

10.6. Hazardous decomposition products. n/a

Section 11. Toxicological Information.

11.1 Information on toxicological effects.

Skin corrosion/irritation: May cause severe irritation to eyes and skin.

12. Ecological Information.

12.6: Other adverse effects: Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

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13. Disposal Considerations.

Disposal methods: Contact a licensed waste disposal company.

Disposal of packaging: After final product withdrawal, all residues must be removed from containers (drip-free, powder-free or paste-free)

14. Transport Information.

14.1 U.N. Number	3077
14.2 U.N proper shipping name	Environmentally hazardous substance, solid, N.O.S. (epoxy resin)
14.3 Transport hazard class(es):	
ADR/RID	9
Subsidiary risk:	-
IMDG	9
Subsidiary risk	-
IATA	9
Subsidiary risk	-
14.4. Packing group	III
14.5. Environmental hazards:	
Environmental hazards	Yes
Marine pollutant	Yes
ADR/RID	
Hazard ID	90
Tunnel Category	(E)
IMDG	
EmS Code	F-A-S-F
IATA	
Packing instruction (Cargo)	956
Maximum quantity	400kg
Packing instruction (Passenger)	956
Maximum quantity	400kg

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

15. Regulatory Information.

Symbols:	
Risk phrases:	
Safety phrases:	
Water hazard:	

16. Other Information.

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16. Other information:

Revision: this document differs from the previous version in the following areas:

4- Inhalation

4- Ingestion

5-5.2 Special hazards arising from the substance or mixture.

11- Skin corrosion/irritation.

14 - ADR/RID

14-IMDG

14 - IATA

Text of risk phrases in section 3.

R36/38 - irritating to eyes and skin.

R43 - May cause sensitisation by skin contacts.

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

Text of hazard statements in section 3.

Skin irrit. 2: H315 - Causes skin irritation.

Skin sens. 1: H317 - May cause an allergic skin reaction.

Eye irrit. 2: H319 - Causes serious eye irritation.

Aquatic chronic 2: H411 - Toxic to aquatic life with long lasting effects.

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.



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