

Safety data sheet according to 1907/2006/EC, Article 31

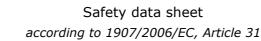
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Revision: 08.08.2011 Printing date: 07.07.2016

| • | Product identifier |
|---|---|
| • | Trade name: |
| | FA-Gly-OH |
| • | Article number: |
| | new: 4002781 old: M-1360 |
| • | CAS Number: |
| | 124882-74-2 |
| | Relevant identified uses of the substance or mixture and uses advised against |
| • | Application of the substance / the preparation Laboratory chemicals |
| | |
| • | Details of the supplier of the safety data sheet |
| • | Manufacturer/Supplier: |
| | Bachem AG |
| | Hauptstrasse 144 CH-4416 Bubendorf |
| | Switzerland |
| | E-mail msds@bachem.com |
| | Tel +41 58 595 2021 |
| | Fax +41 58 595 2040 |
| • | Further information obtainable from: |
| | Department: Marketing |
| • | Emergency telephone number: |
| | +41 44 251 51 51 (Tox Info Suisse) |
| ~ | |
| | Hazards identification |
| | Classification of the substance or mixture |
| • | Classification according to Regulation (EC) No 1272/2008 Void |
| • | Label elements |
| | Labelling according to Regulation (EC) No 1272/2008 |
| | Void |
| • | Signal word |
| - | Void Hazard statements |
| • | Void |
| • | Other hazards |
| | Results of PBT and vPvB assessment |
| • | PBT: |
| | Not applicable. |
| • | vPvB: Not applicable. |
| | |
| | Composition/information on ingredients |

- Identification number(s)
- EC number:
- RTECS Number:
- GB -





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(Contd. of page 1) 04 First aid measures · After inhalation: Supply fresh air; consult doctor in case of complaints. · After skin contact: Immediately wash with water and soap and rinse thoroughly. · After eye contact: Rinse opened eye for several minutes under running water.

- · After swallowing:
- Call a doctor immediately.
- · 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.

05 Firefighting measures

· Suitable extinguishing agents: CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Special hazards arising from the substance or mixture

- No further relevant information available.
- · Advice for firefighters
- · Protective equipment:
- No special measures required.

06 Accidental release measures

· Personal precautions, protective equipment and emergency procedures Not required.

Environmental precautions:

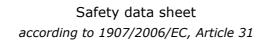
- No special measures required.
- Methods and material for containment and cleaning up: Pick up mechanically.

07 Handling and storage

- · Handling:
- · Precautions for safe handling Prevent formation of dust.
- · Information about fire and explosion protection: No special measures required.
- · Storage:
- · 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: Store in dry conditions.
- · Recommended storage temperature:
- RT
- Specific end use(s)
- No further relevant information available.

(Contd. on page 3)





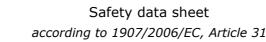
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| 08 Exposure cor | ntrols/personal protection |
| Ingredients with | limit values that require monitoring at the workplace: |
| CAS No. Not required. | Designation of material |
| Personal protect General protect The usual precau Respiratory pro In case of brief ex respiratory protect Use suitable resp Protection of ha The glove materia Due to missing te Selection of the g Protective gloves Material of glove | ing the making were used as basis. ing the making were used as basis. tive equipment: ive and hygienic measures: itionary measures are to be adhered to when handling chemicals. tection: posure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained tive device. iratory protective device in case of insufficient ventilation. nds: I has to be impermeable and resistant to the product/ the substance/ the preparation. sts no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture ove material on consideration of the penetration times, rates of diffusion and the degradation es the suitable gloves does not only depend on the material, but also on further marks of quality and varies from hanufacturer. |

| General Information | | |
|----------------------------------|--|--|
| Appearance: | | |
| Form: | Powder | |
| Colour: | Light yellow | |
| Odour: | Nearly odourless | |
| Odour threshold: | Not determined. | |
| Molecular Weight | 195,1800 g/mol | |
| Change in condition | | |
| Melting point/Melting range: | 222 °C | |
| Boiling point/Boiling range: | Undetermined. | |
| Flash point: | Not applicable. | |
| Flammability (solid, gaseous): | Not applicable. | |
| Ignition temperature: | | |
| Decomposition temperature: | Not determined. | |
| Self-igniting: | Not determined. | |
| Danger of explosion: | Not determined. | |
| Explosion limits: | | |
| Lower: | Not determined. | |
| Upper: | Not determined. | |
| Vapour pressure: | Not determined. | |
| Density: | Not determined. | |
| Solubility in / Miscibility with | | |
| water: | Not determined. | |
| Viscosity: | | |
| Dynamic: | Not determined. | |
| Kinematic: | Not determined. | |
| Other information | No further relevant information available. | |



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10 Stability and reactivity

- 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

- Acute toxicity: No further relevant information available.
- Primary irritant effect:
- on the skin:
- No further relevant information available.
- on the eye:
- No further relevant information available. Sensitization:
- No sensitizing effects known.
- Additional toxicological information:
- The substance is not subject to classification according to the latest version of the EU lists.

12 Ecological information

- Acquatic toxicity:
- No further relevant information available.Persistence and degradability
- Persistence and degradability
- No further relevant information available. • Behaviour in environmental systems:
- Bioaccumulative potential
- No further relevant information available.Mobility in soil
- No further relevant information available.
- Additional ecological information:
- General notes:
 Not known to be hazardous to 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
- Waste disposal key: 18 02 06
- Uncleaned packaging:
- Recommendation:
 - Disposal must be made according to official regulations





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| 14 Transr | (Contd. of page 4) |
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| | |
| ADR/RID | |
| IMDG Cla | |
| ICAO/IA1 | A Class: |
| Enviror | imental hazards: |
| Not app | icable. |
| • | ort in bulk according to Annex II of MARPOL73/78 and the IBC Code |
| Not app | icable. |
| | |
| 15 Regula | itory information |
| Matica | |
| Nationa | al regulations: |
| Waterh | azard class: |
| General | ly not hazardous for water.Self-assessment |
| Chemic | cal safety assessment: |
| A Chem | ical Safety Assessment has not been carried out. |
| | ation is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features ot establish a legally valid contractual relationship. |
| • Depart | ment issuing MSDS: |
| • | ient: Marketing |
| | iations and acronyms: |
| | cord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the Internation |
| • | of Dangerous Goods by Road) |
| | glement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the |
| | onal Transport of Dangerous Goods by Rail) |
| | nternational Maritime Code for Dangerous Goods ternational Air Transport Association |
| | |
| IATA: In | |
| IATA: In ICAO: Ir | ternational Civil Aviation Organisation |
| IATA: In ICAO: Ir EINECS | nternational Civil Aviation Organisation : European Inventory of Existing Commercial Chemical Substances |
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| IATA: In ICAO: Ir EINECS CAS: CI RTECS: WGK: W | nternational Civil Aviation Organisation : European Inventory of Existing Commercial Chemical Substances nemical Abstracts Service (division of the American Chemical Society) Registry of Toxic Effects of Chemical Substances |
| IATA: In ICAO: Ir EINECS CAS: Cł RTECS: WGK: W vPvB: vv | nternational Civil Aviation Organisation E European Inventory of Existing Commercial Chemical Substances nemical Abstracts Service (division of the American Chemical Society) Registry of Toxic Effects of Chemical Substances /assergefährdungsklasse |