

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

Revision: 28.07.2014

Printing date 11.08.2014

Version number 1

1. Identification of the substance/mixture and of the company/undertaking




- **Product identifier**
- **Trade name: BAYCOTECH-122 (A-Comp.)**
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Sealing
- **Details of the supplier of the safety data sheet**

· Manufacturer/Supplier:

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2. Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
 -  C; Corrosive
R34: Causes burns.
 -  Xn; Harmful
R21/22-48/22: Harmful in contact with skin and if swallowed. Harmful: danger of serious damage to health by prolonged exposure if swallowed.
 -  N; Dangerous for the environment
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **Information concerning particular hazards for human and environment:**
The product may not leak out in sewerage system, stretch of water or soil.
The product has 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 in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

· Label elements

- **Labelling according to EU guidelines:**
The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)
- **Code letter and hazard designation of product:**
C Corrosive
N Dangerous for the environment

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- **Hazard-determining components of labelling:**
diethylmethylbenzenediamine
O,O-Bis (2-aminopropyl) polypropyleneglycol
- **Risk phrases:**
21/22 Harmful in contact with skin and if swallowed.
34 Causes burns.
48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **Safety phrases:**
2 Keep out of the reach of children.
23 Do not breathe vapour/spray.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
29 Do not empty into drains.
36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3. Composition/information on ingredients

- **Chemical characterization: Mixtures**
 - **Description:** Preparation based on Polyamines.
 - **Dangerous components:**
- | | | |
|-------------------|---|---------|
| CAS: 9046-10-0 | O,O-Bis (2-aminopropyl) polypropyleneglycol | 50-100% |
| |  C R34;  Xn R21/22 | |
| | R52/53 | |
| |  Skin Corr. 1B, H314;  Acute Tox. 4, H302; Acute Tox. 4, H312; Aquatic Chronic 3, H412 | |
| CAS: 68479-98-1 | diethylmethylbenzenediamine | 10-25% |
| EINECS: 270-877-4 |  Xn R21/22-48/22;  Xi R36;  N R50/53 | |
| |  STOT RE 2, H373;  Aquatic Acute 1, H400; Aquatic Chronic 1, H410;  Acute Tox. 4, H302; Acute Tox. 4, H312; Eye Irrit. 2, H319 | |
- **Additional information** For the wording of the listed risk phrases refer to section 16.

4. First aid measures

- **Description of first aid measures**
- **General information**
Instantly remove any clothing soiled by the product.
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
Personal protection for the First Aider.
It is possible to choke in case of vomiting in unconsciousness.
Bring unconscious persons into a stable position on side.
Keep the respiratory tract free (remove dentures and vomiting).
Check the pulse. In case of heart failure you have to make a cardiac massage. In case of stoppage of breathing: artificial respiration.
Take up a doctor immediately!
- **After inhalation** Supply fresh air or oxygen; call for doctor.
- **After skin contact**
Instantly wash with water and soap and rinse thoroughly.

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- Change immediately contaminated clothes.
- **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.
- **After swallowing**
Drink copious amounts of water and provide fresh air. Instantly call for doctor.
Show the pack or the label to the doctor.
- **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. Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents**
CO₂, extinguishing powder or water jet. Fight larger fires with water jet.
- **Special hazards arising from the substance or mixture**
Formation of poisonous gases during heating or in fires.
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained breathing apparatus.
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
Follow the emergency-plan.
Burst- and explosion-danger by increasing pressure.
In case of fire chill the container with water spray.

6. Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Bring persons out of danger.
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow product to reach sewage system or water bodies.
- **Methods and material for containment and cleaning up:**
Ensure adequate ventilation.
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **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 information on disposal.

7. Handling and storage

- **Handling**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Keep away from children.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information about storage in one common storage facility:**
Please follow the rules of the VCI-Storage-Concept for chemicals.
- **Further information about storage conditions:**
Keep container tightly sealed.
Store in a locked cabinet and out of the reach of children.

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- **Specific end use(s)** No further relevant information available.

8. Exposure controls/personal protection

- **Additional information about design of technical systems:**
It must be possible to wash the skin in the working area.
Eye-wash bottle must be available.
- **Control parameters**
- **Components with critical 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 that were valid during the compilation were used as basis.
- **Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**
The usual precautionary measures should be adhered to in handling the chemicals.
Keep away from foodstuffs, beverages and food.
Instantly remove any soiled and impregnated garments.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.
Do not eat, drink or smoke while working.
Use skin protection cream for preventive skin protection.
Be sure to clean skin thoroughly after work and before breaks.
- **Breathing equipment:**
In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.
- **Protection of hands:** Hand Protection: Nitril-rubber-latex-gloves.
- **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 can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Tightly sealed safety glasses.
- **Body protection:**
Protective work clothing.
Contaminated protection clothes must be cleaned carefully before reuse.

9. Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	Fluid
Colour:	According to product specification
- **Smell:** Type specific
- **Change in condition**

Melting point/Melting range:	Not determined
Boiling point/Boiling range:	Not determined
- **Flash point:** Not applicable
- **Self-inflammability:** Product is not selfigniting.

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· Danger of explosion:	Product is not explosive.
· Density at 20 °C	0.969 g/cm ³
· Solubility in / Miscibility with Water:	Not miscible or difficult to mix
· Other information	No further relevant information available.

10. Stability and reactivity

- **Reactivity**
- **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:** No dates existing.
- **Primary irritant effect:**
- **on the skin:**
Caustic effect on skin and mucous membranes.
Irritant for skin and mucous membranes.
- **on the eye:** Strong caustic effect.
- **Sensitization:** No sensitizing effect known.
- **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:
Harmful
Corrosive
Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

12. Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **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.
- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:** Water hazard class 2 (Self-assessment): hazardous for water.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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· **Other adverse effects** No further relevant information available.

13. Disposal considerations

· **Waste treatment methods**· **Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **European waste catalogue**

08 00 00 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS

08 01 00 wastes from MFSU and removal of paint and varnish

08 01 11* waste paint and varnish containing organic solvents or other dangerous substances

· **Uncleaned packagings:**· **Recommendation:** Disposal must be made according to official regulations.

14. Transport information

· **UN-Number**· **ADR, IMDG, IATA**

UN2735

· **UN proper shipping name**· **ADR**

2735 AMINES, LIQUID, CORROSIVE, N.O.S.
(Polyoxypropylendiamin), ENVIRONMENTALLY HAZARDOUS

· **IMDG**

AMINES, LIQUID, CORROSIVE, N.O.S.
(Polyoxypropylendiamin), MARINE POLLUTANT

· **IATA**

AMINES, LIQUID, CORROSIVE, N.O.S.
(Polyoxypropylendiamin)

· **Transport hazard class(es)**· **ADR, IMDG**· **Class**

8 Corrosive substances.

· **Label**

8

· **IATA**· **Class**

8 Corrosive substances.

· **Label**

8

· **Packing group**· **ADR, IMDG, IATA**

III

· **Environmental hazards:**· **Marine pollutant:**

No

Symbol (fish and tree)

· **Special marking (ADR):**

Symbol (fish and tree)

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- | | |
|---|---|
| <ul style="list-style-type: none"> · Special precautions for user · Kemler Number: · EMS Number: · Segregation groups | <p>Warning: Corrosive substances.</p> <p>80</p> <p>F-A,S-B</p> <p>Alkalis</p> |
|---|---|

- | | |
|--|------------------------|
| <ul style="list-style-type: none"> · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | <p>Not applicable.</p> |
|--|------------------------|

- **Transport/Additional information:**

- | | |
|---|-----------------------------|
| <ul style="list-style-type: none"> · ADR · Limited quantities (LQ) · Transport category · Tunnel restriction code | <p>5L</p> <p>3</p> <p>E</p> |
|---|-----------------------------|

15. Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations**
- **Water hazard class:**
Water hazard class 2 (Self-assessment): hazardous for water.
The classification based on german instructions.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16. Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**

- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H319 Causes serious eye irritation.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.
- R21/22 Harmful in contact with skin and if swallowed.
- R34 Causes burns.
- R36 Irritating to eyes.
- R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.
- R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- *** Data compared to the previous version altered.**