

1 Identification of the substance/mixture and the company



Product identifier	Alka-M
Use of substance	Reagent for water analysis
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2 Hazards identification

- Hazard designation:** void
- Information pertaining to particular dangers for man and environment:** The product does not have to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" (1999/45/EC) in the latest valid version.
- Precautionary statements**
 - P280 Wear protective gloves/protective clothing/eye protection/face protection.
 - P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 - P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

3 Composition/information on ingredients

- Description:** Preparation contains organic compounds.
- Dangerous components:**

CAS: 124-04-9 adipic acid	 Xi; R36	2.5-5%
EINECS: 204-673-3	Warning:  3.3/2	
Index number: 607-144-00-9		
- REACH – Pre-registered substances** All components are REACH pre-registered.
- Additional information** For the wording of the listed risk phrases refer to section 16.

4 First-aid measures

- ⦿ **General information** Instantly remove any clothing soiled by the product.
- ⦿ **After inhalation** Supply fresh air. Consult doctor in case of symptoms.
- ⦿ **After skin contact** Instantly wash with water and soap and rinse thoroughly.
- ⦿ **After eye contact** Rinse opened eye for several minutes (at least 10 min) under running water. If symptoms persist, consult doctor.
- ⦿ **After swallowing** Rinse out mouth and then drink 1-2 glasses of water. In case of persistent symptoms consult doctor.
- ⦿ **The following symptoms may occur: irritations After swallowing of large amounts:** thirst, gastric or intestinal trouble

5 Fire-fighting measures

- ⦿ **Suitable extinguishing agents** Water, Carbon dioxide (CO₂), Fire-extinguishing powder
- ⦿ **Special hazards arising from the substance or mixture**
Combustible
Development of hazardous combustion gases or vapours possible in case of fire. Nitrogen nitrogen oxides (NO_x), Carbon monoxide (CO), Sulphur dioxide (SO₂), combustible
- ⦿ **Protective equipment:**
Wear self-contained breathing apparatus.
Wear full protective suit.
- ⦿ **Additional information**
Collect contaminated fire fighting water separately. It must not enter drains.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

- ⦿ **Person-related precautions:** Avoid causing dust. Wear protective equipment. Keep unprotected persons away.
- ⦿ **Measures for environmental protection:** Do not allow product to reach sewage system or water bodies.
- ⦿ **Methods and material for containment and cleaning up:**
Collect mechanically. Dispose of contaminated material as waste according to item 13. Ensure adequate ventilation.
- ⦿ **Additional information:** No dangerous materials are released.

7 Handling and storage

- ⦿ **Handling**
- ⦿ **Information for safe handling** Prevent formation of dust.

- ⦿ **Storage**
- ⦿ **Requirements to be met by storerooms and containers:** Store in cool location.
- ⦿ **Information about storage in one common storage facility:** Store away from solvents.
- ⦿ **Further information about storage conditions:**
Protect from heat and direct sunlight. Protect from humidity and keep away from water. Store under dry conditions. Protect from the effects of light.
- ⦿ **Recommended storage temperature:** 20°C +/-5°C

8 Exposure controls and personal protection

- ⦿ **Additional information about design of technical systems:** No further data; see item 7.
- ⦿ **Components 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.
- ⦿ **Personal protective equipment**
- ⦿ **General protective and hygienic measures** Wash hands during breaks and at the end of the work. Do not eat, drink or smoke while working.
- ⦿ **Breathing equipment:** Use breathing protection against the effects of fumes/dust/aerosol.
- ⦿ **Recommended filter device for short term use:** Filter P1
- ⦿ **Protection of hands:** Preventive skin protection by use of skin-protection agents is recommended.
- ⦿ **Material of gloves** nitrile rubber, NBR. Recommended thickness of the material: ≥ 0.11 mm
- ⦿ **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. Value for the permeation: Level ≥ 1 (>10 min)
- ⦿ **Eye protection:** Use against the effects of fumes / dust. Use against the effects of fumes/dust
- ⦿ **Body protection:** Protective work clothing

9 Physical and chemical properties

Information basic physical and chemical properties

Appearance:

- | | |
|--|----------------|
| ⦿ Form: | Tablets |
| ⦿ Colour: | Orange |
| ⦿ Odour: | Odourless |
| ⦿ Melting point/
Melting range: | Not determined |

- ⦿ **Boiling point / Boiling range:** 265°C, Not applicable
- ⦿ **Flash point:** >100°C
- ⦿ **Danger of explosion:** Product is not explosive.
- ⦿ **Density at 20°C** Not determined
- ⦿ **Solubility in / Miscibility with Water at 20°C:** Soluble
- ⦿ **pH-value at 20°C:** 3.5
- ⦿ **Solvent content:** 0.0 %
Organic solvents:
- ⦿ **Solids content:** 100 %



10 Stability and reactivity

- ⦿ **Thermal decomposition / conditions to be avoided:** strong heating
- ⦿ **Materials to be avoided:** halogen compounds, combustible substances
- ⦿ **Dangerous reactions:** Risk of dust explosion is enriched with fine dust in presence of air
- ⦿ **Dangerous products of decomposition:**
See chapter 5

11 Toxicological information

- ⦿ **Information on toxicological effects**
- ⦿ **Acute toxicity:** Quantitative data on the toxicity of the preparation are not available.
- ⦿ **LD/LC50 values that are relevant for classification:**
- ⦿ 124-04-9 adipic acid
- ⦿ Oral/LD50/5700 mg/kg (rat)
(MERCK)
- ⦿ Dermal/LD50/>7940 mg/kg (rabbit)
- ⦿ Inhalative/LC50>7.7 mg/l/4h (rat)
(MERCK)
- ⦿ **Primary irritant effect:**
- ⦿ **on the skin:** No irritant effect.
- ⦿ **on the eye:** Irritant effect.
- ⦿ **Sensitization:** Sensitization effect by skin contact is possible by prolonged/repeated exposure.
- ⦿ **Additional toxicological information:** When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us. The usual precautionary measures should be adhered to general rules for handling chemicals.
- ⦿ **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)** no data available





12 Ecological information **Information about elimination (persistence and degradability):** **Other information:** Quantitative data on the ecological effect of this product are not available. The following statements refer to the individual components. CAS-No 124-04-9: 100%/28d. **Ecotoxicological effects:** **Remark:** Harmful effect due to pH shift. **Additional ecological information:**

General notes: Water hazard class 1 (German Regulation) (Self-assessment acc VwVWS Annex 4): slightly hazardous for water. Do not allow undiluted product to reach ground water, water bodies or sewage system. Must not reach sewage water or drainage ditch undiluted or unneutralized.

PBT assessments: no data available


vPvB assessments: no data available

**13 Disposal considerations** **Product:** **Recommendation:** Hand over to disposers of hazardous waste. **European waste catalogue:** 16 05 09 – discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08 **Uncleaned packagings:** **Recommendation:** Disposal must be made according to official regulations. **Recommended cleaning agent:** Water, if necessary with cleaning agent.



14 Transport information **Land transport ADR/RID (cross border)** **ADR/RID-GGVS/E class:** --- **Maritime transport IMDG:** **IMDG Class:** --- **Marine pollutant:** No **Air transport ICAO-TI and IATA-DGR:** **ICAO/IATA Class:** --- **Un "Model Regulation":** --- **Transport/Additional information:** Not dangerous according to the above specifications.



15 Regulatory information **Designation according to EC guidelines:** The product is not subject to classification according to the calculation methods of the "General Classification Guideline for

Preparations of the EC" as issued in the las version.

- ☉ **Special designation of certain preparations:** Safety data sheet available for professional user on request.
- ☉ **National regulations**
- ☉ **Information about limitation of use:** Not required



16 Other information

The information provided on this SDS is correct to the best of our knowledge and information, but not to be considered as warranty or quality specification nor creates contractual relationship. The information given is designed only as a guidance for safe handling. The categorisation according to Dangerous Preparations Directive 1999/45/EC resp. regulation CLP (EC)1272/2008 is based on the classification of the single component according to Annex VI of regulation CLP (EC)1272/2008 as well as on manufacturer's data completed by hazardous material database.

- ☉ Relevant R-phrases
36 Irritating to eyes.
- ☉ Edition
Number 1
- ☉ Translated by
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- ☉ Short cut

