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Section 1	Identification of the substance/mixture and the company
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1.1	Product identifier Alka-M
1.2	Relevant identified uses of the substance or mixture and uses advised against Use of substance Reagent for water analysis
1.3	Supplier WAPOTEC GmbH Franz-Sauer-Strasse 44 A-5020 Salzburg Tel: +43 662 434342-0 Fax: +43 662 434342-3 Contact Mr. G. Weiss Email: office@wapotec.at
1.4	Emergency phone +43 662 43 43 42-0 Office hours: MO - TH: 8.00 - 16.00, FR: 8.00 - 12.00 Toxicity information centre Vienna: Phone: +43 1 406 43 43 Available 0-24h



Section 2	Hazards identification
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2.1	Hazard classification of substance or mixture <input checked="" type="radio"/> According to Directive (EC) N° 1272/2008 Not applicable. The product is not classified as dangerous. <input checked="" type="radio"/> according to Directive (EC) N° 1999/45 Not applicable. The product is not classified as dangerous.
2.2	Label elements <input checked="" type="radio"/> According to Directive (EC) 1272/2008 Not applicable. The product is not classified as dangerous according to Directive (EC) 1272/2008 <input checked="" type="radio"/> According to Directive (EC) N° 1999/45 Not applicable. The product is not classified as dangerous according to Directive (EC) N° 1999/45 <input checked="" type="radio"/> Danger defining components for labeling Not applicable.



Section 3 Composition/information on ingredients

3.2 Mixtures

Chemical characteristics

Preparation of organic compounds

Dangerous ingredients:

Name	CAS # / EC # / Index #	Conc %	Classification according to		
			Directive 67/548/EEC*	Regulation (EC) 1272/2008*	
Adipic acid	124-04-9/ 204-673-3/ 607-144-00-9	2,5-5	Xi; R 36	Eye Irrit. 2	H319

* For the wording of R- resp. H-Phrases and danger classification see section 16.

REACH - Pre-registered substances All components are REACH pre-registered.

Section 4 First-aid measures

4.1 Description of first aid measures

Remove immediately all contaminated clothing.

After inhalation

Move affected person immediately to fresh air.

Seek medical treatment in case of symptoms.

After skin contact

After skin contact, wash immediately with plenty of water and soap.

After eye contact

After eye contact, rinse eye for several minutes (at least 15 minutes) under running water holding eye lids open.

Get medical advice if symptoms persist.

After ingestion

Rinse the mouth with plenty of water and drink at least 1-2 glasses of water.

Get medical advice if symptoms persist.

4.2 Most important symptoms and effects, acute and delayed

Irritation

After swallowing of large amounts: thirst, gastric or intestinal trouble

4.3 Indications for immediate medical attention or special treatment needed

No further relevant information available.

**Section 5****Fire-fighting measures**

- 5.1 Extinguishing media
- ☉ Suitable extinguishing media
- Water
Fire-extinguishing powder
Carbon dioxide (CO₂)
- ☉ Unsuitable extinguishing media for safety reasons
- No further information available.
- 5.2 Special hazards arising from the substance or mixture
- Formation of toxic gases is possible during heating or in case of fire.
In case of fire, the following can be released:
Nitrogen oxides (NO_x)
Carbon monoxide (CO)
Sulphur dioxide (SO₂)
- 5.3 Special protective actions for fire-fighters
- Special 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.
Ambient fire may liberate hazardous vapors.

**Section 6****Accidental release measures**

- 6.1 Personal precautions, protective equipment and suitable emergency procedures.
- Wear protective equipment. Keep unprotected persons away.
- 6.2 Environmental precautions
- Do not allow product to reach sewage system or water bodies.
- 6.3 Measures for cleaning/collecting:
- Dispose of contaminated material as waste according to section 13.
Collect mechanically.
Ensure adequate ventilation.
- 6.4 Additional information
- Information on safe handling see section 7.
Information on protective measures see section 8
Information on disposal see section 13



Section 7**Handling and storage**

- 7.1 Precautions for safe handling
Provide suction extractors if dust is formed.
- 7.2 Conditions for safe storage including any incompatibilities
Fire and explosion protection measures
Keep away from sources of ignition - no smoking.
Design of storage rooms and container
Protect from heat and direct sunlight.
Store under dry and cool conditions.
Protect from humidity and keep away from water.
Protect from the effects of light.
- ☉ Recommended storage temperature: 20°C +/-5°C
 - ☉ Material incompatibility
- Store away from solvents.
- ☉ VbF class: 11
- 7.3 Specific end uses
No further information available.

**Section 8****Exposure controls and personal protection**

- 8.1 Control parameters
The product does not contain relevant quantities of substances with monitored limits based on the workplace.
- 8.2 Exposure controls
- ☉ General protective and hygiene measures
Follow usual precautions when dealing with chemicals. Keep away from food and drinks. Do not eat or drink at work, wash hands before breaks and end of work. Avoid eye and skin contact. Avoid inhaling of steams/aerosols. Change contaminated work wear and clean it before the next wearing. Preventive skin protection.
Protective equipment should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.
 - ☉ Respiratory protection
In case of release of dust/aerosol only work with a protection mask.
Recommended filter device for short term use: Filter P1
 - ☉ Hand protection
Preventive skin protection by use of skin-protecting agents is recommended.
After use of gloves apply skin-cleaning agents and skin cosmetics.

Glove material:

Nitrile rubber

Recommended thickness of the material: ≥ 0.11 mm

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

Tightly sealed goggles

☉ Personal protection

Protective working clothing

Section 9

Physical and chemical properties

9.1	Information on basic physical and chemical properties	
	Appearance	Tablets
	Color	Orange
	Ordor	Odorless
	Odor threshold	No data available
	pH-value (20°C)	3.5
	Melting point	Not determined
	Boiling point / Boiling range	265°C / not applicable
	Flash point	< 100° C
	Evaporation rate	Not applicable
	Flammability	No data available
	Upper explosion limit	No data available
	Lower explosion limit	No data available
	Vapor pressure	Not available
	Density	Not applicable
	Solubility in water (20°C)	Soluble
	Partition coefficient: n-octanol-water	No data available
	Auto ignition temperature	No data available
	Decomposition temperature	No data available
	Viscosity	No data available
	Explosive properties	Product is not explosive
	Oxidizing properties	No data available
9.2.	Other information:	

Solid content: 100,0%
 Solvent content:
 Organic solvents: 0,0%
 No further information available.

Section 10 Stability and reactivity

- 10.1 Reactivity
 There are expected no hazardous reactions for intended use
- 10.2 Chemical stability
 No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions
 Reacts with acids, alkalis and oxidizing agents.
- 10.4 Conditions to avoid
 Avoid extreme temperatures.
- 10.5 Incompatible materials
 Halogen compounds
 Combustible substances
- 10.6 Hazardous decomposition products
 See section 5

Section 11 Toxicological information

- 11.1 Information on toxicological effects
- ☉ LD/LC50 values that are relevant for classification (literature)
 Acute toxicity
 Quantitative data on the toxicity of the preparation are not available.
 - ☉ Primary irritant effect:
 Skin: No irritation
 Eye: Possible irritation
 - ☉ Sensitization
 Possible sensitizing effect on the skin upon long-term/repeated exposure.
 - ☉ Cancerogenity
 No data available.
 - ☉ Mutagenicity
 No data available.
 - ☉ Reproductive toxicity



No data available.

 Additional information:

The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparation as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided by us.

The usual precautionary measures should be adhered to general rules for handling chemicals.

Section 12	Ecological information
12.1	Toxicity  Aquatic toxicity No further information available.
12.2	Persistence and degradability No further information available.
12.3	Bioaccumulation potential No further information available.
12.4	Mobility in soil No further information available.  Additional ecological information: General information: (Preparation) Water hazard class 1 (German Regulation) (self-assessment acc. VwVwS Annex 4 Nr. 3) Low hazardous to water Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system. Must not reach sewage water or drainage ditch undiluted or unneutralized.
12.5	Results of PBT- and vPvB-assessment No data available for the product itself.
12.6	Other adverse effects No further information available. Other notes Quantitative data on the ecological effect of this product are not available. CAS-No 124-04-9; 100% / 28 d
Section 13	Disposal considerations

13.1 Waste treatment methods

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

Hand over to disposers of hazardous waste. Chemicals must be disposed of in compliance with national and regional regulations. Under www.retrologistik.de you will find country- and substance-specific information as well as contact partners.

Waste key number

16 05 09

Waste name

Discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08.

European waste catalogue

EWC-waste key is source-related.

The decision is up to the enduser.

Contaminated packaging material

Chemicals must be disposed of in compliance with national and regional regulations. Under www.retrologistik.de you will find country- and substance-specific information as well as contact partners.

Recommended cleaning agent: Water, if necessary with cleaning agent.



Section 14 **Transport information**

No dangerous good according to regulation for transport of dangerous goods.

14.1 UN-Number

Not applicable.

14.2 Proper UN-shipping name

Not applicable.

14.3 Transport hazard class

Not applicable.

14.4 Packaging group

Not applicable.

14.5 Environmental hazards

Not applicable.

14.6 Special precautions for the user

Not applicable.






Section 15 **Regulatory information**

- 15.1 Safety-, health-, ambient- and legislation specific instructions for substance or mixture
This safety data sheet complies with the Regulations (EC) Reach N° 1907/2006.


The mixture is classified according to Dangerous Preparations Directive (EC) 1999/45 and to regulation (EC)1272/2008 Annex I.

National regulations:

Austria:

-  Labeling according to BGBl II 2000/81 ChemV 1999.
 The product is not classified and does not require hazards identification.
-  ChemG 1996-amendment 2011.
 This product is not classified hazardous (no hazardous preparation) according to the Austrian chemical legislation of 1996- amendment 2011.
-  VbF - Directive about combustible liquids (BGBl 1991/240)
 This product is not classified as combustible liquid acc. VbF.

Germany:

-  Classification in water hazard classes according VwVwS dated 17.05.1999 / annex 4
 WP 1 (low water hazardous)

Employment restrictions: Not applicable.

Major Accident Ordinance (12. BIm SchV): Not applicable.







Classification in water hazard classes: WP 1 (self-assessment, acc. annex 4 Nr.3 VwVwS):
 Low hazardous to water

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out.

Section 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
 R36 Irritating to eyes
-  Relevant H-phrases
 H319 Causes serious eye irritation.
-  Relevant hazard classification
 Not applicable
-  Edition
 Nr. 2 replaces the previous version
 Amendments: 1.4, 8.2, 9.1.11.1 15.1
-  Written by
 WAPOTEC GmbH
-  Short cut
 n. t. not tested

Alka-M®



n. a. not applicable

PBT persistent, bio-accumulative, toxic

vPvB high persistent, high bio-accumulative

