

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

Printing date 04.01.2023

Version number 11 (replaces version 10)

Revision: 04.01.2023

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** WAKOL MS 245 Montinator
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Adhesives
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
WAKOL GmbH
Bottenbacher Str. 30
D-66954 Pirmasens
info@wakol.com
+49 6331 8001 0
- **Informing department:**
Product safety department.
msds@wakol.de
- **1.4 Emergency telephone number:**
Emergency CONTACT (24-Hour-Number):
GBK GmbH +49 (0)6132-84463

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
The product is not classified, according to the GB CLP regulation.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Additional information:**
Contains N-(3-(trimethoxysilyl)propyl)ethylenediamine, trimethoxyvinylsilane. May produce an allergic reaction.
Safety data sheet available on request.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
 - **Description:** Adhesive
 - **Dangerous components:**
- | | | |
|---------------------------|--|-----------|
| CAS: 1760-24-3 | N-(3-(trimethoxysilyl)propyl)ethylenediamine | >0.25–<1% |
| EINECS: 217-164-6 | ☠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H332; Skin Sens. 1, H317 | |
| Reg.nr.: 01-2119970215-39 | | |
| | | |
| CAS: 2768-02-7 | trimethoxyvinylsilane | >0.25–<1% |
| EINECS: 220-449-8 | 🔥 Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H332; Skin Sens. 1B, | |
| Reg.nr.: 01-2119513215-52 | H317 | |

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 04.01.2023

Version number 11 (replaces version 10)

Revision: 04.01.2023

Trade name: WAKOL MS 245 Montinator

(Contd. of page 1)

· **Additional information** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **After inhalation** Supply fresh air; consult doctor in case of complaints.
- **After skin contact** Clean with water and soap. If possible, also wash with polyethylene glycol 400.
- **After eye contact**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing** Do not induce vomiting; call for medical help immediately.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Ensure adequate ventilation
- **6.2 Environmental precautions:** Do not allow product to reach sewage system or any water course.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
- **6.4 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 disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Use only in well ventilated areas.
- **Information about protection against explosions and fires:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** Prevent any seepage into the ground.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Protect from humidity and water.
Store in cool, dry conditions in well sealed receptacles.

(Contd. on page 3)

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

Printing date 04.01.2023

Version number 11 (replaces version 10)

Revision: 04.01.2023

Trade name: WAKOL MS 245 Montinator

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

(Contd. of page 2)

SECTION 8: Exposure controls/personal protection

· **8.1 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.

· **DNELs**

1760-24-3 N-(3-(trimethoxysilyl)propyl)ethylenediamine

Oral DNEL 2.5 mg/kg/day (consumer (long-term))

Dermal DNEL 17 mg/kg/day (consumer (short-term))

2.5 mg/kg/day (consumer (long-term))

5 mg/kg/day (workers (short-term))

5 mg/kg/day (workwr (long-term))

Inhalative DNEL 8.7 mg/m³ (consumer (long-term))

35.3 mg/m³ (workwr (long-term))

2768-02-7 trimethoxyvinylsilane

Oral DNEL 0.1 mg/kg/day (general population (long-term))

Dermal DNEL 0.1 mg/kg/day (general population (long-term))

0.2 mg/kg/day (workwr (long-term))

Inhalative DNEL 0.7 mg/m³ (general population (long-term))

2.6 mg/m³ (workwr (long-term))

· **PNECs**

1760-24-3 N-(3-(trimethoxysilyl)propyl)ethylenediamine

PNEC 0.062 mg/l (freshwater)

0.0062 mg/l (sea water)

0.62 mg/l (water - partially release)

25 mg/l (purification plant)

PNEC 0.0085 mg/kg (soil)

0.022 mg/kg (sediment (sea water))

0.22 mg/kg (sediment (freshwater))

2768-02-7 trimethoxyvinylsilane

PNEC 0.36 mg/l (freshwater)

0.036 mg/l (sea water)

6.6 mg/l (purification plant)

PNEC 0.055 mg/kg (soil)

0.13 mg/kg (sediment (sea water))

1.3 mg/kg (sediment (freshwater))

· **Additional information:**

The lists valid during the making were used as basis.

See Section 10.

(Contd. on page 4)

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

Printing date 04.01.2023

Version number 11 (replaces version 10)

Revision: 04.01.2023

Trade name: WAKOL MS 245 Montinator

(Contd. of page 3)

- **8.2 Exposure controls**
- **Appropriate engineering controls** No further data; see item 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures**
The usual precautionary measures are to be adhered to when handling chemicals.
Wash hands before breaks and at the end of work.
- **Breathing equipment:** Not necessary if room is well-ventilated.
- **Hand protection**



Protective gloves

Preventive skin protection by use of skin-protecting agents is recommended.

- **Material of gloves**
Nitrile rubber, NBR
Recommended thickness of the material: ≥ 0.35 mm
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/face protection**



Tightly sealed goggles

- **Body protection:** Protective work clothing

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Physical state** Fluid
- **Colour:** White
- **Smell:** Odourless
- **Odour threshold:** Not determined.
- **Melting point/freezing point:** Undetermined.
- **Boiling point or initial boiling point and boiling range** Undetermined.
- **Flammability** Not applicable.
- **Lower and upper explosion limit**
- **Lower:** Not determined.
- **Upper:** Not determined.
- **Flash point:** Not applicable.
- **Decomposition temperature:** Not determined.
- **pH** Not determined.
- **Viscosity:**
- **Kinematic viscosity** Not determined.

(Contd. on page 5)

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

Printing date 04.01.2023

Version number 11 (replaces version 10)

Revision: 04.01.2023

Trade name: WAKOL MS 245 Montinator

(Contd. of page 4)

- **kinematic (calculated) at 40°C:**
- **dynamic:** Not determined.
- **Solubility**
- **Water:** Not miscible or difficult to mix.
- **Partition coefficient n-octanol/water (log value)** Not determined.
- **Steam pressure:** Not determined.
- **Density and/or relative density**
- **Density** Not determined.
- **Relative density** Not determined.
- **Vapour density** Not determined.

- **9.2 Other information**
- **Appearance:**
- **Form:** Pasty
- **Important information on protection of health and environment, and on safety.**
- **Self-inflammability:** Product is not selfigniting.
- **Explosive properties:** Product does not present an explosion hazard.
- **Organic solvents:** 0.9 %
- **VOC** 0.9 %
- **Change in condition**
- **Evaporation rate** Not determined.

- **Information with regard to physical hazard classes**
- **Explosives** Void
- **Flammable gases** Void
- **Aerosols** Void
- **Oxidising gases** Void
- **Gases under pressure** Void
- **Flammable liquids** Void
- **Flammable solids** Void
- **Self-reactive substances and mixtures** Void
- **Pyrophoric liquids** Void
- **Pyrophoric solids** Void
- **Self-heating substances and mixtures** Void
- **Substances and mixtures, which emit flammable gases in contact with water** Void
- **Oxidising liquids** Void
- **Oxidising solids** Void
- **Organic peroxides** Void
- **Corrosive to metals** Void
- **Desensitised explosives** Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

(Contd. on page 6)

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

Printing date 04.01.2023

Version number 11 (replaces version 10)

Revision: 04.01.2023

Trade name: WAKOL MS 245 Montinator

(Contd. of page 5)

· **Additional information:** Product releases low quantities of methanol during appropriated application.

SECTION 11: Toxicological information

· **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

· **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values that are relevant for classification:**

1760-24-3 N-(3-(trimethoxysilyl)propyl)ethylenediamine

Oral LD50 2,295 mg/kg (rat)

Dermal LD50 >2,000 mg/kg (rabbit)

2768-02-7 trimethoxyvinylsilane

Oral LD50 7,120 mg/kg (rat) (OECD 401)

Dermal LD50 3,200 mg/kg (rabbit) (OECD 402)

Inhalative LC50/4h 16.8 mg/l (rat) (OECD 403)

· **Skin corrosion/irritation** Based on available data, the classification criteria are not met.

· **Serious eye damage/irritation** Based on available data, the classification criteria are not met.

· **Respiratory or skin sensitisation**

1760-24-3 N-(3-(trimethoxysilyl)propyl)ethylenediamine

Sensitisation Hautsensibilisierung (rabbit)

· **Germ cell mutagenicity** Based on available data, the classification criteria are not met.

· **Carcinogenicity** Based on available data, the classification criteria are not met.

· **Reproductive toxicity** Based on available data, the classification criteria are not met.

· **STOT-single exposure** Based on available data, the classification criteria are not met.

· **STOT-repeated exposure** Based on available data, the classification criteria are not met.

· **Aspiration hazard** Based on available data, the classification criteria are not met.

· **11.2 Information on other hazards**

· **Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**

1760-24-3 N-(3-(trimethoxysilyl)propyl)ethylenediamine

LC50/96h 597 mg/l (Brachydanio rerio)

EC50/48h 81 mg/l (Daphnia magna)

EC50/72h 126 mg/l (Scenedesmus subspicatus)

EC10/16h 25 mg/l (Pseudomonas putida)

NOEC/72h 20 mg/l (Scenedesmus subspicatus)

2768-02-7 trimethoxyvinylsilane

LC50/96h 191 mg/l (Oncorhynchus mykiss)

EC50/48h 168.7 mg/l (Daphnia magna)

· **12.2 Persistence and degradability** No further relevant information available.

· **12.3 Bioaccumulative potential** No further relevant information available.

· **12.4 Mobility in soil** No further relevant information available.

(Contd. on page 7)

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

Printing date 04.01.2023

Version number 11 (replaces version 10)

Revision: 04.01.2023

Trade name: WAKOL MS 245 Montinator

(Contd. of page 6)

- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Can be disposed of with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Must be specially treated adhering to official regulations.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- **14.1 UN number or ID number**
- **ADR, ADN, IMDG, IATA** Void
- **14.2 UN proper shipping name**
- **ADR, ADN, IMDG, IATA** Void
- **14.3 Transport hazard class(es)**
- **ADR, ADN, IMDG, IATA**
- **Class** Void
- **14.4 Packing group**
- **ADR, IMDG, IATA** Void
- **14.5 Environmental hazards:** Not applicable.
- **14.6 Special precautions for user** Not applicable.
- **14.7 Maritime transport in bulk according to IMO instruments** Not applicable.
- **Transport/Additional information:** Not dangerous according to the above specifications.
- **UN "Model Regulation":** Void

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.

(Contd. on page 8)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 04.01.2023

Version number 11 (replaces version 10)

Revision: 04.01.2023

Trade name: WAKOL MS 245 Montinator

(Contd. of page 7)

- **National regulations**
- **VOC (EU) 9.0 g/l**
- **15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.**

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

H226 Flammable liquid and vapour.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H332 Harmful if inhaled.

· Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (UK REACH)

PNEC: Predicted No-Effect Concentration (UK REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1B: Skin sensitisation – Category 1B

GB