

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 30.09.2011

Version number 19

Revision: 30.09.2011

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

- **Product identifier**
- **Trade name** Okamos ET 6
- **Relevant identified uses of the substance or mixture and uses advised against** none
- **Application of the substance / the preparation** Coat adhesive
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:** Kiesel Bauchemie GmbH & Co. KG  
Wolf-Hirth-Str. 2  
  
D-73730 Esslingen  
  
Tel.:+49(0)711/93134-0  
Fax:+49(0)711/93143-140
- **Informing department:** Laboratory, departments of environmental protection and protection of labour.
- **Emergency telephone number:** During working hours: Laboratory, department of environmental protection and labor protection  
e-mail: sida@kiesel.com

## 2 Hazards identification

- **Classification of the substance or mixture**
  - **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Void
  - **Information concerning particular hazards for human and environment:** *The product does not have 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 is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EC" as issued in the last version.  
The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV).  
Observe the normal safety regulations when handling chemicals*
  - **Safety phrases:** 29 Do not empty into drains.
  - **Other hazards**
  - **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.

## 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Dangerous components:** Void

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· Additional information

For the wording of the listed risk phrases refer to section 16.

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## 4 First aid measures

- Description of first aid measures
  - General information
  - After inhalation
  - After skin contact
  - After eye contact
  - After swallowing
  - Information for doctor
  - Most important symptoms and effects, both acute and delayed
  - Indication of any immediate medical attention and special treatment needed
- No special measures required.*  
*No special measures required.*  
*Remove contaminated clothing immediately and clean the skin with soap and water.*  
*Rinse opened eye for several minutes under running water. Then consult doctor.*  
*Rinse out the mouth immediately and consume large amounts of water, prevent vomiting, seek medical advice.*
- No further relevant information available.*  
*No further relevant information available.*

## 5 Firefighting measures

- Extinguishing media
  - Suitable extinguishing agents
  - Special hazards arising from the substance or mixture
  - Advice for firefighters
  - Protective equipment:
- CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.*  
*The product itself does not burn.*
- Formation of toxic gases is possible during heating or in case of fire.*
- Wear non-circulation breathing equipment and chemical-protective clothing. Do not inhale explosion gases or fire fumes.*

## 6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
  - Environmental precautions:
  - Methods and material for containment and cleaning up:
  - Reference to other sections
- Not required.*  
*Do not allow product to reach sewage system or water bodies. Inform respective authorities in case product reaches water or sewage system.*  
*Dilute with much water.*
- Dispose of the material collected according to regulations.*  
*No dangerous materials are released.*  
*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
  - Information about protection against explosions and fires:
- No special measures required.*  
*No special measures required.*

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- *Conditions for safe storage, including any incompatibilities*
- *Storage*
- *Requirements to be met by storerooms and containers:*      *Protect against frost.*
- *Information about storage in one common storage facility:*      *Store away from foodstuffs.*
- *Further information about storage conditions:*      *Store in a cool place.*
- *Specific end use(s)*      *No further relevant information available.*

### 8 Exposure controls/personal protection

- *Additional information about design of technical systems:*      *No further data; see item 7.*

- *Control parameters*

- *Components with critical values that require monitoring at the workplace:*

7664-41-7 ammonia, anhydrous

<b>WEL</b>	<i>Short-term value: 25 mg/m<sup>3</sup>, 35 ppm</i>
	<i>Long-term value: 18 mg/m<sup>3</sup>, 25 ppm</i>

- *Additional information:*      *The lists that were valid during the compilation were used as basis.*

- *Exposure controls*

- *Personal protective equipment*

- *General protective and hygienic measures*

*Take off soiled soaked clothing.*

- *Breathing equipment:*

*Not required.*

- *Protection of hands:*

*The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.**Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.**Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation*

- *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 trough time has to be found out by the manufacturer of the protective gloves and has to be observed.*

- *Eye protection:*      *Safety glasses recommended during refilling.*

### 9 Physical and chemical properties

- *Information on basic physical and chemical properties*

- *General Information*

- *Appearance:*

Form:      *Pasty*Colour:      *Beige*

- *Smell:*      *Characteristic*

- *Odour threshold:*      *Not determined.*

- *pH-value at 20°C:*      *8*

- *Change in condition*

Melting point/Melting range:      *n.d.*

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<b>Boiling point/Boiling range:</b>	<b>100°C</b>
· <b>Flash point:</b>	<b>n.a.</b>
· <b>Self-inflammability:</b>	<b>Product is not selfigniting.</b>
· <b>Danger of explosion:</b>	<b>Product is not explosive.</b>
· <b>Critical values for explosion:</b>	
Lower:	Not determined.
Upper:	Not determined.
· <b>Density at 20°C</b>	<b>1.45 g/cm<sup>3</sup></b>
· <b>Solubility in / Miscibility with Water:</b>	<b>Fully miscible</b>
· <b>Segregation coefficient (n-octanol/water):</b>	<b>Not determined.</b>
· <b>Viscosity:</b>	
dynamic at 20°C:	40000 mPas
kinematic:	Not determined.
· <b>Solvent content:</b>	
Organic solvents:	0.0 %
Solids content:	78.0 %
· <b>Other information</b>	<b>The physical data are average values.</b>

### 10 Stability and reactivity

- **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:** *None known.*

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** *Irritation*
- **on the eye:** *Irritation possible.*
- **Sensitization:** *No sensitizing effect known.*
- **Additional toxicological information:** *The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations 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 to us.*

### 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.*

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- **Mobility in soil** *No further relevant information available.*
- **Additional ecological information:**
- **General notes:** *Water hazard class 1 (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.*
- **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**
- **Recommendation** *Disposal according to official regulations*

- **European waste catalogue**

<b>08 00 00</b>	<b>WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS</b>
<b>08 04 00</b>	wastes from MFSU of adhesives and sealants (including waterproofing products)
<b>08 04 10</b>	waste adhesives and sealants other than those mentioned in 08 04 09

- **Uncleaned packagings:**
- **Recommendation/cleaning agent:** *Water, if necessary with cleaning agent.*

### 14 Transport information

- **UN-Number**
- **ADR, ADN, IMDG, IATA** *Void*
- **UN proper shipping name**
- **ADR, ADN, IMDG, IATA** *Void*
- **Transport hazard class(es)**
- **ADR, ADN, IMDG, IATA**
- **Class** *Void*
- **Packing group**
- **ADR, IMDG, IATA** *Void*
- **Environmental hazards:**
- **Marine pollutant:** *No*
- **Special precautions for user** *Not applicable.*
- **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** *Not applicable.*
- **Transport/Additional information:** *Not classified as dangerous in the meaning of transport regulations.*

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations**
- **Decree to be applied in case of technical fault:** *n.a.*
- **Water hazard class:** *Water hazard class 1 (Self-assessment): slightly hazardous for water.*

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- *Other regulations, limitations and prohibitive regulations* -
- *Chemical safety assessment:* *A Chemical Safety Assessment has not been carried out.*

**16 Other information**

*Chapters which have been revised from the previous issue are marked "\*".*

*Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.*

*(n.a. - not applicable, n.d. - not determined)*

- *Department issuing data specification sheet:* *Health protection and safety*
- *\* Data compared to the previous version altered.*

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