

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.01.2017

Version number 2

Revision: 12.01.2017

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

- 1.1 Product identifier
- Trade name: **COEPLAN 2-K PLUS Poured coating nature (A)**
- 1.2 Relevant identified uses of the substance or mixture and uses advised against  
  - Identified use: intended for professional use only!
- Application of the substance / the mixture  
  - Coating
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier: **KEMPER SYSTEM GmbH & Co. KG**  
 Holländische Strasse 32-36  
 34246 Vellmar  
 Deutschland / Germany  
 Telefon: +49 (0)561 / 8295-0  
 Telefax: +49 (0)561 / 8295-5110  
 E-Mail: MSDS@KEMPER-SYSTEM.COM
- Further information obtainable from: **Research and Development**
- 1.4 Emergency telephone number: **Giftinformationszentrum der Länder Rheinland-Pfalz und Hessen**  
 Langenbeckstraße 1; Gebäude 601; 55131 Mainz  
 Tel. Nr.: +49 (0)6131 / 19 24 0  
 Universitätsmedizin der Johannes Gutenberg-Universität Mainz

## 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 CLP regulation.
- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008  
 Void
- Hazard pictograms  
 Void
- Signal word  
 Void
- Hazard statements  
 Void
- 2.3 Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

## SECTION 3: Composition/information on ingredients

- 3.2 Chemical characterisation: Mixtures
- Description: Mixture of substances listed below with nonhazardous additions.

### - Dangerous components:

CAS: 7727-43-7 EINECS: 231-784-4	barium sulphate, natural	substance with a Community workplace exposure limit	25-50%
CAS: 64742-47-8 EINECS: 265-149-8	Distillates (petroleum), hydrotreated light	Flam. Liq. 3, H226; Asp. Tox. 1, H304	2.5-10%
CAS: 108-83-8 EINECS: 203-620-1	2,6-dimethylheptan-4-one	Flam. Liq. 3, H226; STOT SE 3, H335	0.5-2.5%

- 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
- General information: Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.  
 Immediately remove any clothing soiled by the product.  
 Do not leave affected persons unattended.  
 Personal protection for the First Aider.  
 Take affected persons out of danger area and lay down.
- After inhalation: In case of unconsciousness place patient stably in side position for transportation.  
 Supply fresh air; consult doctor in case of complaints.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.  
 Seek medical treatment in case of complaints.
- After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.  
 Protect unharmed eye.
- After swallowing: If symptoms persist consult doctor.
- 4.2 Most important symptoms and effects, both acute and delayed  
 No further relevant information available.

(Contd. on page 2)

# Safety data sheet

according to 1907/2006/EC, Article 31

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Version number 2

Revision: 12.01.2017

Trade name: **COEPLAN 2-K PLUS Poured coating nature (A)**

(Contd. of page 1)

- 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: CO<sub>2</sub>, 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: Do not inhale explosion gases or combustion gases.  
- Additional information: Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

## SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures  
- 6.2 Environmental precautions: Ensure adequate ventilation  
Do not allow to enter sewers/ surface or ground water.  
Inform respective authorities in case of seepage into water course or sewage system.  
Prevent from spreading (e.g. by damming-in or oil barriers).

- 6.3 Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.  
Do not flush with water or aqueous cleansing agents  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

- 6.4 Reference to other sections

## SECTION 7: Handling and storage

- 7.1 Precautions for safe handling  
Store in cool, dry place in tightly closed receptacles.  
Ensure good ventilation/exhaustion at the workplace.  
Use only in well ventilated areas.

- Information about fire - and explosion protection: No special measures required.

- 7.2 Conditions for safe storage, including any incompatibilities  
- Storage:  
- Requirements to be met by storerooms and receptacles: Store only in the original receptacle.  
- Information about storage in one common storage facility: Store away from foodstuffs.  
- Further information about storage conditions: Protect from frost.  
Store in cool, dry conditions in well sealed receptacles.  
Recommended storage temperature: 10-30 °C  
10

- Storage class:  
- 7.3 Specific end use(s) No further relevant information available.

## SECTION 8: Exposure controls/personal protection

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

### - 8.1 Control parameters

- Ingredients with limit values that require monitoring at the workplace:

#### 7727-43-7 barium sulphate, natural

WEL	Long-term value: 10* 4** mg/m <sup>3</sup> *inhalable dust **respirable dust
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#### 108-83-8 2,6-dimethylheptan-4-one

WEL	Long-term value: 148 mg/m <sup>3</sup> , 25 ppm
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- Additional information: The lists valid during the making were used as basis.

- 8.2 Exposure controls  
- Personal protective equipment:  
- General protective and hygienic measures: Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.

(Contd. on page 3)

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.01.2017

Version number 2

Revision: 12.01.2017

Trade name: **COEPLAN 2-K PLUS Poured coating nature (A)**

(Contd. of page 2)

**- Respiratory protection:**

When used properly and under normal conditions, breathing protection is not required.  
Use suitable respiratory protective device in case of insufficient ventilation.  
Filter A/P2

**- Protection of hands:**



Protective gloves

Only use chemical-protective gloves with CE-labelling of category III.  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation  
Check protective gloves prior to each use for their proper condition.  
After use of gloves apply skin-cleaning agents and skin cosmetics.

**- Material of gloves**

Recommended materials:  
Butyl rubber, BR  
Recommended thickness of the material:  $\geq 0.5$  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.

**- Penetration time of glove material**

The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

**- As protection from splashes gloves made of the following materials are suitable:**

Nitrile rubber, NBR  
Recommended thickness of the material:  $\geq 0.1$  mm  
Penetration time (min.):  $<10$

**- Eye protection:**



Tightly sealed goggles

**- Body protection:**

Protective work clothing  
Impervious protective clothing

## SECTION 9: Physical and chemical properties

**- 9.1 Information on basic physical and chemical properties**

**- General Information**

**- Appearance:**

**Form:** Fluid  
**Colour:** According to product specification  
**- Odour:** Characteristic  
**- Odour threshold:** Not determined.

**- pH-value:** Not determined.

**- Change in condition**

**Melting point/freezing point:** Undetermined.  
**Initial boiling point and boiling range:** Undetermined.

**- Flash point:** Not applicable.

**- Flammability (solid, gas):** Not applicable.

**- Ignition temperature:**

**Decomposition temperature:** Not determined.

**- Auto-ignition temperature:** Product is not selfigniting.

**- Explosive properties:** Product does not present an explosion hazard.

**- Explosion limits:**

**Lower:** Not determined.  
**Upper:** Not determined.

**- Density at 20 °C:** 1.43 g/cm<sup>3</sup>

**- Relative density** Not determined.

**- Vapour density** Not determined.

**- Evaporation rate** Not determined.

**- Solubility in / Miscibility with water:**

Not miscible or difficult to mix.

**- Partition coefficient: n-octanol/water:** Not determined.

(Contd. on page 4)

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.01.2017

Version number 2

Revision: 12.01.2017

Trade name: **COEPLAN 2-K PLUS Poured coating nature (A)**

(Contd. of page 3)

- **Viscosity:**
  - Dynamic:** Not determined.
  - Kinematic:** Not determined.
- **Solvent content:**
  - VOC (EC)** 2.50 %
- **9.2 Other information** No further relevant information available.

## 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.

## SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values relevant for classification:**

**7727-43-7 barium sulphate, natural**

Oral	LD50	>15000 mg/kg (rat)
Dermal	LD50	> 2000 mg/kg (rat)

**64742-47-8 Distillates (petroleum), hydrotreated light**

Oral	LD50	> 5000 mg/kg (rat)
Dermal	LD50	> 2000 mg/kg (rab)

**108-83-8 2,6-dimethylheptan-4-one**

Oral	LD50	5750 mg/kg (rat)
Dermal	LD50	16000 mg/kg (rabbit)

- **Primary irritant effect:**
- **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** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **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.

## SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

**7727-43-7 barium sulphate, natural**

EC50	32 mg/l	(Daphnia magna) (Ba-Ion; 48 h)
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- **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.
- **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.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

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(Contd. on page 5)

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.01.2017

Version number 2

Revision: 12.01.2017

Trade name: **COEPLAN 2-K PLUS Poured coating nature (A)**

(Contd. of page 4)

## SECTION 13: Disposal considerations

### - 13.1 Waste treatment methods

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

### - European waste catalogue

08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances
08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09

### - Uncleaned packaging:

- **Recommendation:** Disposal must be made according to official regulations.

## SECTION 14: Transport information

### - 14.1 UN-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** Void

### - Class

### - 14.4 Packing group

- **ADR, IMDG, IATA** Void

### - 14.5 Environmental hazards:

- **Marine pollutant:** No

### - 14.6 Special precautions for user

Not applicable.

### - 14.7 Transport in bulk according to Annex II of Marpol and the IBC

**Code** Not applicable.

### - 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.

#### - National regulations:

- **Information about limitation of use:** Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

- **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.  
H304 May be fatal if swallowed and enters airways.  
H335 May cause respiratory irritation.

### - Department issuing SDS:

research & development

### - Contact:

research & development

### - Abbreviations and acronyms:

ADR: Accord européen sur le transport 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)  
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  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
Asp. Tox. 1: Aspiration hazard – Category 1

### - Sources

Internet:  
- [www.echa.com](http://www.echa.com)  
- [www.baua.de](http://www.baua.de)  
- [www.gestis.itrust.de](http://www.gestis.itrust.de) (IFA: Institute für Occupational Safety and

(Contd. on page 6)

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.01.2017

Version number 2

Revision: 12.01.2017

Trade name: **COEPLAN 2-K PLUS Poured coating nature (A)**

Health of the German Social Accident Insurance)

(Contd. of page 5)

- \* Data compared to the previous version  
altered.

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