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

- 1.1 **Product identifier**  
**Trade Name:** Kipp 2K PUR Versiegelung W, Komp. A  
**Article No.:** n.av.  
**Preparation No.:** 30/13  
**Registration No.:** n.av.
- 1.2 **Relevant identified uses of the substance or mixture and uses advised against**  
 Use: Two-pack performance coatings
- 1.3 **Details of the supplier of the safety data sheet**
- 1.3.1 **Address of the Company / Supplier:**  
 Kipp GmbH, Murrstraße 1, D- 70608 Kornwestheim  
 Telephone: +49 - 7154-82420, Telefax: +49 - 7154-824210, E-Mail: info@kipp-line.de
- 1.4 **Emergency telephone number**  
 Emergency - Telephone of Company / Undertaking Information Centre Specialising in Symptoms of Poisoning  
 Telephone: +49 - 7154-82420(8:00 – 16:30) Telephone: +44 870 600 6266

**SECTION 2: Hazards identification**

- 2.1 **Classification of the substance or mixture**  
**Classification and labelling according to Directive 1272/2008/EC:**  
 None.  
**Classification and labelling according to Directive 1999/45/EC:**  
 None.
- 2.2 **Label elements**  
 Classification according to 1272/2008/EC: No.  
 Applicable Exemptions:  
 Signal word(s): n.ap. Hazard pictogram(s):  
 Component(s):
- H - Phrases:**
- P - Phrases:**  
 P 262: Do not get in eyes, on skin, or on clothing.
- Additional Markings: EUH 210: Safety data sheet available on request.  
 Classification according to 1999/45/EC: No.  
 Applicable Exemptions:  
 Hazard Identification: n.ap. Hazard Symbol(s):  
 Component(s):
- R - Phrases:**
- S - Phrases:**  
 S 24/25 - Avoid contact with skin and eyes.
- Additional Markings: Safety datasheet available on request for professional users.
- The above mentioned labelling is valid for distribution to industrial user.
- 2.3 **Other hazards**  
 May cause eye or skin irritation with susceptible persons.  
 Inhalation of vapours may cause irritation of the respiratory system in very susceptible persons.  
 Handle in accordance with good industrial hygiene and safety practice.

**SECTION 3: Composition/information on ingredients**

- 3.1 **Substances**

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**Dangerous Ingredients:**

3.2

**Mixtures**

**Chemical Characterisation:**

Solvent mixture with additives

**Dangerous Ingredients:**

CAS - No.	Index - No.	EEC - No.	Material	m% - range	Symbol	R / H - phrases
112-34-5	603-096-00-8	203-961-6	2-(2-Butoxyethoxy)ethanol	1 - 5%	Xi GHS07	R 36 H319
7631-86-9	n.av.	231-545-4	Silicon dioxide	1 - 5%	Xi GHS07	R 36/37/38 H315 H319 H335

Text of R-/H- phrases: see section 16

**SECTION 4: First aid measures**

4.1 **Description of first aid measures**

4.1.1 **Inhalation:**

Move to fresh air in case of accidental inhalation of vapours or decomposition products.

4.1.2 **Skin Contact:**

Wash off immediately with soap and plenty of water.

4.1.3 **Eye Contact:**

Rinse thoroughly with plenty of water, also under the eyelids.

If symptoms persist, call a physician.

4.1.4 **Ingestion:**

Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting.

Consult a physician.

4.2 **Most important symptoms and effects, both acute and delayed**

None known.

4.3 **Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**SECTION 5: Firefighting measures**

5.1 **Extinguishing media**

5.1.1 **Suitable Extinguishing Media:**

Use dry chemical, CO<sub>2</sub>, water spray or "alcohol" foam.

5.1.2 **Extinguishing Media to Avoid:**

High volume water jet.

5.2 **Special hazards arising from the substance or mixture**

In the event of fire carbon oxides, nitrogen oxides (NO<sub>x</sub>) may be formed.

5.3 **Advice for firefighters**

5.3.1 **Special Protective Equipment:**

Wear positive pressure self-contained breathing apparatus. Wear full protective clothing.

5.3.2 **Additional Information:**

In the event of fire, cool tanks with water spray. Collect contaminated fire extinguishing water separately.

This must not be discharged into drains.

**SECTION 6: Accidental release measures**

6.1 **Personal precautions, protective equipment and emergency procedures**

See chapter 8.2.2

Contaminated surfaces will be extremely slippery.

Ensure adequate ventilation.

6.2 **Environmental precautions**

Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. Local authorities should be advised if significant spillages cannot be contained.

6.3 **Methods and material for containment and cleaning up**

Soak up with inert absorbent material. Shovel into suitable container for disposal.

6.4 **Reference to other sections**

None.

**SECTION 7: Handling and storage**

7.1 **Precautions for safe handling**

7.1.1 **Precautions for Safe Handling:**

Do not breathe vapours or spray mist. Avoid contact with the skin and the eyes.

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- When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use.  
 Wash hands before breaks and at the end of workday.
- 7.1.2 **Precautions in Case of Fire and Explosion:**  
 Normal measures for preventive fire protection. Keep away from sources of ignition - No smoking.
- 7.2 **Conditions for safe storage, including any incompatibilities**
- 7.2.1 **Storage Instructions:**  
 Keep container tightly closed in a dry and well-ventilated place. Keep away from direct sunlight.  
 Store in original container. Keep at temperatures between 5 and 40°C.
- 7.2.2 **Store away from:**  
 Do not store together with oxidizing agents.
- 7.2.3 **Further Information on Storage Conditions:**  
 None.
- 7.3 **Specific end use(s)**  
 n.av.

**SECTION 8: Exposure controls/personal protection**

- 8.1 **Control parameters**
- |  |  |
|--|--|
| <p><b>Material</b><br/>                 2-(2-Butoxyethoxy)ethanol<br/>                 Silicon dioxide</p> | <p><b>Limit Value</b><br/>                 10 ppm   67 mg/m<sup>3</sup>, TWA: 10 ppm   67,5 mg/m<sup>3</sup><br/>                 4 E mg/m<sup>3</sup></p> |
|--|--|
- 8.2 **Exposure controls**
- 8.2.1 **Appropriate engineering controls**  
 Ensure adequate ventilation.
- 8.2.2 **Individual protection measures**
- 8.2.2a **Respiratory Protection:** Not required under normal use.  
 In case of insufficient ventilation, wear suitable respiratory equipment.
- 8.2.2b **Hand Protection:** Protective gloves complying with EN 374 (nitrile rubber)  
 The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
- 8.2.2c **Eye Protection:** Safety glasses
- 8.2.2d **Skin Protection:** None.
- 8.2.2e **Further Information:** Observe wearing time limits:
- 8.2.3 **Environmental exposure controls:**  
 n.av.

**SECTION 9: Physical and chemical properties**

- 9.1 **Information on basic physical and chemical properties**
- 9.1.1 **Form:** liquid                      **Colour:** colourless clear                      **Odour:** characteristic
- Odour threshold:** n.av.
- 9.1.2 pH-value, undiluted:                      ~ 7,5, pH-value, 1% aqueous solution: n.av.

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9.1.3	Boiling point / Boiling - range (°C):	n.ap.,	Melting point / Melting range (°C):	n.av.
9.1.4	Flash point (°C):	> 100,	closed cup	
9.1.5	Flammability (EEC A10/A13):	n.ap.		
9.1.6	Ignition temperature (°C):	n.av.		
9.1.7	Autoflammability (EEC A16):	No.		
9.1.8	Oxidising properties:	No.		
9.1.9	Explosion hazard:	No.		
9.1.10	Explosion limits (Vol.%) lower:	n.av.,	upper:	n.av.
9.1.11	Vapour pressure: / Vapour density (Air = 1):	n.av. /	n.av.	
9.1.12	Density (g/ml):	~ 1		
9.1.13	Solubility (in Water):	miscible		
9.1.14	Partition coefficient, n-Octanol / Water:	n.av.		
9.1.15	Viscosity:	n.av.		
9.1.16	Solvent content (m %):	n.av.		
9.1.17	Thermal decomposition (°C):	n.av.		
9.1.18	Evaporation rate:	n.av.		
9.2	<b>Other information</b>			
		n.av.		

## SECTION 10: Stability and reactivity

10.1	<b>Reactivity</b>	None.
10.2	<b>Chemical stability</b>	Stable under normal conditions.
10.3	<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
10.4	<b>Conditions to avoid</b>	No conditions to be specially mentioned.
10.5	<b>Incompatible materials</b>	Incompatible with strong acids and oxidizing agents.
10.6	<b>Hazardous decomposition products</b>	No decomposition if stored and applied as directed. To avoid thermal decomposition, do not overheat.

## SECTION 11: Toxicological information

11.1	<b>Information on toxicological effects</b>	
11.1.1	<b>Substances:</b>	n.ap.
11.1.2	<b>Mixtures</b>	
	Acute Toxicity:	
	Inhalation:	n.av.
	Ingestion:	n.av.
	Skin Contact:	n.av.
	Irritation / corrosion (to skin / eye):	Slight
	Sensitisation:	None.
	Carcinogenicity:	n.av.
	Mutagenicity:	n.av.
	Teratogenicity:	n.av.
	Narcotic Effects:	n.av.
11.1.3 – 11.1.12	<b>Practical Experience:</b>	n.av.
11.1.13	<b>Practical Experience</b>	
	Observations relevant for classification:	None.
	Further Observations:	None.
	Classification of the preparation has been done by calculation in accordance with EEC directives.	

## SECTION 12: Ecological information

12.1	<b>Toxicity</b>	We have no quantitative data concerning the ecological effects of this product.
12.2	<b>Persistence and degradability</b>	No data is available on the product itself.
12.3	<b>Bioaccumulative potential</b>	n.av.
12.4	<b>Mobility in soil</b>	

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- n.av.
- 12.5 **Results of PBT and vPvB assessment**  
n.av.
- 12.6 **Other adverse effects**
- 12.6.1 COD-Value, mg/g: n.av.
- 12.6.2 BOD<sub>5</sub>-Value, mg/g: n.av.
- 12.6.3 AOX-Remarks: Not applicable.
- 12.6.4 Significant Components: n.av.
- 12.6.5 Other adverse effects: Not applicable.

**SECTION 13: Disposal considerations**

- 13.1 **Waste treatment methods**
- 13.1.1 Recommendation: D 10 / R1  
 Waste - Code - No.:  
 The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.  
  
 In addition comply with the regional authorities.
- 13.2 **Contaminated Packaging**
- 13.2.1 Recommendation: Wash with suitable cleaner. Otherwise as described under Residues.
- 13.2.2 Safe Handling: As described under Residues.

**SECTION 14: Transport information**

	<b>ADR</b> Not a dangerous substance as defined in the above regulations.	<b>IMDG</b> Not a dangerous substance as defined in the above regulations.	<b>IATA</b> Not a dangerous substance as defined in the above regulations.
14.1 <b>UN number</b>			
14.2 <b>UN proper shipping name</b>			
14.3 <b>Transport hazard class(es)</b>			
14.4 <b>Packing group</b>			
14.5 <b>Environmental hazards</b>			
14.6 <b>Special precautions for user</b>			
14.7 <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Transport-category: Classification Code: Hazard - No.: LQ:		Packing Instructions (Passenger)  Packing Instructions (Cargo)

**SECTION 15: Regulatory information**

- 15.1 **Safety, health and environmental regulations/legislation specific for the substance or mixture**  
  
No data available.
- 15.2 **Chemical safety assessment :**  
None.

**SECTION 16: Other information**

**Text of R / H phrases mentioned in Section 3**  
 R 36: Irritating to eyes.

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R 36/37/38: Irritating to eyes, respiratory system and skin.

H 315: Causes skin irritation.

H 319: Causes serious eye irritation.

H 335: May cause respiratory irritation.

This datasheet has been compiled in accordance with EU regulation 453/201.

The statements in this Material Safety Data Sheet were made to the best of our knowledge and are as accurate as possible. They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products.