


Date of issue: 19.05.2015 Replaces Data Sheet of: 24.02.2015
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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 Flächenfarbe, Komponente A lösemittelhaltig**
 Article No.: n.av.
 Preparation No.: 31 / 15
 Registration No.: n.ap.
- 1.2 **Relevant identified uses of the substance or mixture and uses advised against**
 Use: Colour
- 1.3 **Details of the supplier of the safety data sheet**
- 1.3.1 **Address of the Company / Supplier:**
 Kipp GmbH, Murrstraße 1, D- 70806 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 (24 h)) 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:
 * Flam. Liq. 3 H226: Flammable liquid and vapour.
Classification and labelling according to Directive 1999/45/EC:
 * Flammable. R 10
- 2.2 **Label elements**
 * Classification according to 1272/2008/EC: Yes.
 Applicable Exemptions: No.
 Signal word(s): Warning
 Component(s):
 Hazard pictogram(s): 
- H - Phrases:**
 H226: Flammable liquid and vapour.
- P - Phrases:**
 P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P233: Keep container tightly closed.
 P243: Take precautionary measures against static discharge.
 P262: Do not get in eyes, on skin, or on clothing.
- Additional Markings:
 The above mentioned labelling is valid for distribution to industrial user.
- 2.3 **Other hazards**
 May cause eye or skin irritation with susceptible persons.
 Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.
 Inhalation of vapours may cause irritation of the respiratory system in very susceptible persons.
 An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
 * In use, may form flammable/explosive vapour-air mixture.

SECTION 3: Composition/information on ingredients

- 3.1 **Substances**

Date of issue: 19.05.2015 Replaces Data Sheet of: 24.02.2015

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3.2 Dangerous Ingredients:

Mixtures

Chemical Characterisation:

Solvent-borne colour

Dangerous Ingredients:

CAS - No.	Index - No.	EC - No.	Material	m% - range	Symbol	R / H - phrases
123-86-4	607-025-00-1	204-658-1	n-Butyl acetate REACH_01-2119485493-29-xxxx	10 - 20%	n.ap.	R 10-66-67
108-65-6	607-195-00-7	203-603-9	2-Methoxy-1-methylethyl acetate REACH_01-2119475791-29-xxxx	5 - 10%	n.ap. GHS02	R 10 H226 H336 EUH066 H226

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 fumes from overheating or combustion. If symptoms persist, call a physician.

4.1.2 Skin Contact:

Wash off immediately with soap and plenty of water. Consult a physician if necessary.

4.1.3 Eye Contact:

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

4.1.4 Ingestion:

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

4.2 Most important symptoms and effects, both acute and delayed

Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product. Repeated or prolonged exposure may cause irritation of eyes and skin. Inhalation of vapours in high concentration may cause irritation of respiratory system.

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, CO₂, water spray or "alcohol" foam.

5.1.2 Extinguishing Media to Avoid:

None.

5.2 Special hazards arising from the substance or mixture

In the event of fire carbon oxides 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. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

See chapter 8.2.2

6.2 Environmental precautions

Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer 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.

Date of issue: 19.05.2015 Replaces Data Sheet of: 24.02.2015

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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:

* Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. Preparation may charge electrostatically: always use earthing leads when transferring from one container to another.

7.2 Conditions for safe storage, including any incompatibilities

7.2.1 Storage Instructions:

Keep in an area equipped with solvent resistant flooring. Avoid subsoil penetration.
Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.

7.2.2 Store away from:

Do not store together with oxidizing agents.

7.2.3 Further Information on Storage Conditions:

Ensure adequate ventilation.

7.3 Specific end use(s)

n.av.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Material

2-Methoxy-1-methylethy lacetate

Limit Value

50 ppm | 270 mg/m³, TWA: 50 ppm | 275 mg/m³

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Provide appropriate exhaust ventilation at machinery.

8.2.2 Individual protection measures

8.2.2a Respiratory Protection: Breathing apparatus needed only when aerosol or mist is formed.

Recommended Filter type: A

8.2.2b Hand Protection:

protective gloves Viton (0,5 mm) break through time > 8 h

The data about break through time/strength of material are standard values!

The exact break through time/strength of material has to be obtained from the producer of the protective glove.

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:

In case of contact through splashing: 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: various

Odour: mild solvent

Odour threshold: n.av.

Date of issue: 19.05.2015 Replaces Data Sheet of: 24.02.2015

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9.1.2	pH-value, undiluted:	n.av., pH-value, 1% aqueous solution: n.av.
9.1.3	Boiling point / Boiling - range (°C):	n.av., Melting point / Melting range (°C): n.av.
9.1.4*	Flash point (°C):	30, closed cup
9.1.5	Flammability (EEC A10/A13):	n.ap.
9.1.6	Ignition temperature (°C):	n.ap.
9.1.7	Autoflammability (EEC A16):	n.ap.
9.1.8	Oxidising properties:	n.ap.
9.1.9	Explosion hazard:	n.ap.
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):	1,5
9.1.13	Solubility (in Water):	immiscible miscible with most organic solvents
9.1.14	Partition coefficient, n-Octanol / Water:	n.av.
9.1.15	Viscosity:	> 40 s / 6 mm nozzle
9.1.16	Solvent content (m %):	10 - 20
9.1.17	Thermal decomposition (°C):	n.av.
9.1.18	Evaporation rate:	n.av.
9.2	Other information	
	n.av.	

SECTION 10: Stability and reactivity

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

SECTION 11: Toxicological information

- 11.1 **Information on toxicological effects**
- 11.1.1 **Substances**
- 11.1.2 **Mixtures**
 - 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 – **Practical Experience**
- 11.1.12 n.av.
- 11.1.13 **Practical Experience**
 - Observations relevant for classification: None.
 - Further Observations:
 - Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.
 - Classification of the preparation has been done by calculation in accordance with EEC directives.

SECTION 12: Ecological information

- 12.1 **Toxicity**
We have no quantitative data concerning the ecological effects of this product.
- 12.2 **Persistence and degradability**
No data is available on the product itself.
- 12.3 **Bioaccumulative potential**
n.av.

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- 12.4 **Mobility in soil**
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 BOD5-Value, mg/g: n.av.
- 12.6.3 AOX-Remarks: n.av.
- 12.6.4 Significant Components: n.av.
- 12.6.5 Other adverse effects: n.av.

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

	ADR	IMDG	IATA
	Exempted from ADR/RID regulations according to marginal 2.2.3.1.5		
14.1 UN number	1263	1263	1263
14.2 UN proper shipping name	UN 1263 Paint	Paint	Paint
14.3 Transport hazard class(es)	3 	3 	3 
14.4 Packing group	III	III	III
14.5 Environmental hazards		No.	
14.6 Special precautions for user	Transport category: 3 Classification Code: F1 Hazard - No.: 30 LQ: 5 L	F-E, S-E	Packing Instructions (Passenger) 355 Packing Instructions (Cargo) 366
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code		n.av.	

SECTION 15: Regulatory information

- 15.1 **Safety, health and environmental regulations/legislation specific for the substance or mixture**
n.av.
- 15.2 **Chemical safety assessment :**
A chemical safety assessment has not been carried out.

SECTION 16: Other information

Text of R / H phrases mentioned in Section 3
 R 10: Flammable.
 R 66: Repeated exposure may cause skin dryness or cracking.
 R 67: Vapours may cause drowsiness and dizziness.

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EUH066: Repeated exposure may cause skin dryness or cracking.

H226: Flammable liquid and vapour.

H336: May cause drowsiness or dizziness.

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.