

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

Printing date 06.05.2015

Revision: 06.05.2015

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

- . **1.1 Product identifier**
- . **Trade name** *PowCo-Rep glänzend und matt*
- . **Article number:** *090/00003*
- . **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** *Coating compound/ Surface coating/ paint*
- . **1.3 Details of the supplier of the safety data sheet**
- . **Supplier:**  
*PowCoS GmbH  
Am Roten Fuchs 1E  
01705 Pesterwitz  
office@powcos.de*
- . **Informing department:**  
*Product safety department  
(office@powcos.de)*
- . **1.4 Emergency telephone number:** *During normal opening times: Product safety department*

\* **SECTION 2: Hazards identification**

- . **2.1 Classification of the substance or mixture**
- . **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

STOT SE 3 H336 May cause drowsiness or dizziness.

- . **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



Xi; Irritant

R36: Irritating to eyes.

R10-66-67: Flammable. Repeated exposure may cause skin dryness or cracking.  
Vapours may cause drowsiness and dizziness.

- . **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.  
At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

Has a narcotising effect.

- . **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.

- . **2.2 Label elements**

- . **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

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## . Hazard pictograms



GHS02

GHS05

GHS07

. Signal word *Danger*

## . Hazard-determining components of labelling:

*butanol**n-butyl acetate*

## . Hazard statements

*H226 Flammable liquid and vapour.**H318 Causes serious eye damage.**H336 May cause drowsiness or dizziness.*

## . Precautionary statements

*P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.**P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.**P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.**P310 Immediately call a POISON CENTER/doctor.**P405 Store locked up.**P501 Dispose of contents/container in accordance with local/regional/national/international regulations.*

## . Additional information:

*EUH066 Repeated exposure may cause skin dryness or cracking.*

## . 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 consisting of the following components with harmless additives.. **Dangerous components:**

CAS: 123-86-4 EINECS: 204-658-1 Index number: 607-025-00-1	<i>n</i> -butyl acetate R10-66-67 Flam. Liq. 3, H226; STOT SE 3, H336	25-50%
CAS: 108-65-6 EINECS: 203-603-9 Index number: 607-195-00-7	2-methoxy-1-methylethyl acetate R10 Flam. Liq. 3, H226	25-50%
CAS: 71-36-3 EINECS: 200-751-6 Index number: 603-004-00-6	butanol Xn R22; Xi R37/38-41 R10-67 Flam. Liq. 3, H226; Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335-H336	2.5-10%

. **Additional information** For the wording of the listed risk 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 symptoms.. **After skin contact** Instantly wash with water and soap and rinse thoroughly.. **After eye contact***Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.*. **After swallowing** Do not induce vomiting; instantly call for medical help.

## . 4.2 Most important symptoms and effects, both acute and delayed

*No further relevant information available.*

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- . **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>, sand, extinguishing powder. Do not use water.  
. **For safety reasons unsuitable extinguishing agents** Water with a full water jet.  
. **5.2 Special hazards arising from the substance or mixture**  
No further relevant information available.  
. **5.3 Advice for firefighters**  
. **Protective equipment:** No special measures required.

### SECTION 6: Accidental release measures

- . **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.  
. **6.2 Environmental precautions:**  
Do not allow product to reach sewage system or water bodies.  
. **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.  
. **6.4 Reference to other sections**  
See Section 8 for information on personal protection equipment.

### SECTION 7: Handling and storage

- . **7.1 Precautions for safe handling**  
Keep containers tightly sealed.  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.  
. **Information about protection against explosions and fires:**



Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

- . **7.2 Conditions for safe storage, including any incompatibilities**  
. **Storage**  
. **Requirements to be met by storerooms and containers:** No special requirements.  
. **Information about storage in one common storage facility:** Not required.  
. **Further information about storage conditions:**  
Store in cool, dry conditions in well sealed containers.  
. **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

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

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

#### 123-86-4 n-butyl acetate

WEL (Great Britain)	Short-term value: 966 mg/m <sup>3</sup> , 200 ppm Long-term value: 724 mg/m <sup>3</sup> , 150 ppm
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#### 108-65-6 2-methoxy-1-methylethyl acetate

WEL (Great Britain)	Short-term value: 548 mg/m <sup>3</sup> , 100 ppm Long-term value: 274 mg/m <sup>3</sup> , 50 ppm Sk
IOELV (European Union)	Short-term value: 550 mg/m <sup>3</sup> , 100 ppm Long-term value: 275 mg/m <sup>3</sup> , 50 ppm Skin

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**71-36-3 butanol**

WEL (Great Britain)

Short-term value: 154 mg/m<sup>3</sup>, 50 ppm  
Sk**. Additional information:**

The lists that were valid during the compilation were used as basis.

**. 8.2 Exposure controls****. Personal protective equipment****. General protective and hygienic measures**

Keep away from foodstuffs, beverages and food.

Instantly remove any soiled and impregnated garments.

Wash hands during breaks and at the end of the work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

**. Breathing equipment:**

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

**. Protection of hands:**

Solvent resistant gloves

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 through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**. Eye protection:**

Tightly sealed safety glasses.

**. Body protection: Protective work 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

**. Smell:**

Solvent-like

**. Change in condition****Melting point/Melting range:** Not determined**Boiling point/Boiling range:** 116 °C**. Flash point:**

27 °C

**. Ignition temperature:**

315 °C

**. Self-inflammability:**

Product is not selfigniting.

**. Danger of explosion:**

Product is not explosive. However, formation of explosive air/steam mixtures is possible.

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- . **Critical values for explosion:**
  - Lower: 1.5 Vol %
  - Upper: 10.8 Vol %
- . **Steam pressure at 20 °C:** 13 hPa
- . **Density at 20 °C** 0.93 g/cm<sup>3</sup>
- . **Solubility in / Miscibility with Water:** Not miscible or difficult to mix
- . **9.2 Other information** No further relevant information available.

### SECTION 10: Stability and reactivity

- . **10.1 Reactivity**
- . **10.2 Chemical stability**
- . **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:** In case of fire: CO<sub>2</sub>, CO, NO<sub>x</sub>

### SECTION 11: Toxicological information

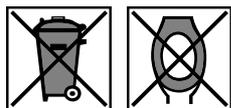
- . **11.1 Information on toxicological effects**
- . **Acute toxicity:**
- . **Primary irritant effect:**
  - . **on the skin:** No irritant effect.
  - . **on the eye:** Irritant effect.
- . **Sensitisation:** No sensitizing effect known.
- . **Additional toxicological information:**  
The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:  
Irritant

### SECTION 12: Ecological information

- . **12.1 Toxicity**
- . **Aquatic toxicity:** No further relevant information available.
- . **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 (Self-assessment): slightly hazardous for water.
- . **12.5 Results of PBT and vPvB assessment**
- . **PBT:** Not applicable.
- . **vPvB:** Not applicable.
- . **12.6 Other adverse effects** No further relevant information available.

### \* SECTION 13: Disposal considerations

- . **13.1 Waste treatment methods**
- . **Recommendation**



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

- . **European waste catalogue**

08 01 11*	waste paint and varnish containing organic solvents or other dangerous substances
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- . **Uncleaned packagings:**
- . **Recommendation:** Disposal must be made according to official regulations.

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\* **SECTION 14: Transport information**

. 14.1 UN-Number	
. ADR, IMDG, IATA	UN1263
. 14.2 UN proper shipping name	
. ADR	1263 PAINT
. IMDG, IATA	PAINT
. 14.3 Transport hazard class(es)	
. ADR	
. Class	3 (F1) Flammable liquids.
. Label	3
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. IMDG, IATA	
. Class	3 Flammable liquids.
. Label	3
. 14.4 Packing group	
. ADR, IMDG, IATA	III
. 14.5 Environmental hazards:	
. Marine pollutant:	No
. 14.6 Special precautions for user	Warning: Flammable liquids.
. Kemler Number:	30
. EMS Number:	F-E, S-E
. 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
. Transport/Additional information:	
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. ADR	
. Limited quantities (LQ)	5L
. Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
. Transport category	3
. Tunnel restriction code	D/E
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. IMDG	
. Limited quantities (LQ)	5L
. Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
. UN "Model Regulation":	UN1263, PAINT, 3, III

\* **SECTION 15: Regulatory information**

- . 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- . National regulations
- . Water hazard class:  
Water hazard class 1 (Self-assessment): slightly hazardous for water.
- . 15.2 Chemical safety assessment:  
A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

These data are based on our present knowledge. However, they 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.
  - H302 Harmful if swallowed.
  - H315 Causes skin irritation.
  - H318 Causes serious eye damage.

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H335 May cause respiratory irritation.  
 H336 May cause drowsiness or dizziness.  
 R10 Flammable.  
 R22 Harmful if swallowed.  
 R37/38 Irritating to respiratory system and skin.  
 R41 Risk of serious damage to eyes.  
 R66 Repeated exposure may cause skin dryness or cracking.  
 R67 Vapours may cause drowsiness and dizziness.

. **Department issuing data specification sheet:** Product safety department

. **Contact:** Product Safety Dept.

. **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)

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

. **\* Data compared to the previous version altered.**

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