

Safety Data Sheet

according to 2001/58/EC

RUDOL UNI P

Print date : 13.12.2006

Product code : 1550

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1. Identification of the substance/preparation and of the company/undertaking**1.1 Identification of the substance or preparation**

RUDOL UNI P

Use of the substance/preparation

Klebstoff

1.2 Company/undertaking identification

Company name : RUDOL-FABRIK Hermann Hagemeyer

Street : Sürther Str. 172

Place : D-50321 Brühl

Post-office box : 17 04

D-50307 Brühl

Contact person : Klaus Markus

Telephone : 02232-94592-0

Telefax : 02232-945929

Inquiry office : Labor

Emergency telephone : 02232-945920

2. Composition/information on ingredients**Chemical characterization** (preparation)

adhesive of poly urethane

Hazardous components

| EC-No. | CAS-No. | Chemical name | Quantity | Classification |
|-----------|----------|---------------------------------|----------|--------------------|
| 200-662-2 | 67-64-1 | Aceton | 25-35% | F, Xi R11-36-66-67 |
| 201-159-0 | 78-93-3 | Butanon (vgl. Ethylmethylketon) | 25-30% | F, Xi R11-36-66-67 |
| 205-500-4 | 141-78-6 | Ethylacetat | 20-25% | F, Xi R11-36-66-67 |

Full text of each relevant R phrase can be found in heading 16.

3. Hazards identification**Classification**

Symbols : Highly flammable, Irritant

R-phrases :

Highly flammable.

Irritating to eyes.

Repeated exposure may cause skin dryness or cracking.

Vapours may cause drowsiness and dizziness.

Explication of special hazards for human health and environment

In use, may form flammable/explosive vapour-air mixture.

4. First aid measures**After inhalation**

Move to fresh air in case of accidental inhalation of vapours. If symptoms persist, call a physician.

After contact with skin

Wash off immediately with soap and plenty of water.

After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

After ingestion

Do NOT induce vomiting. Consult a physician.

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5. Fire-fighting measures

Suitable extinguishing media

Dry chemical Carbon dioxide (CO₂) Extinguishing media - large fires Water spray mist or foam. In the event of fire and/or explosion do not breathe fumes.

Extinguishing media which must not be used for safety reasons

Do not use a solid water stream as it may scatter and spread fire.

Special exposure hazards arriving from substance or preparation itself, combustion products, resulting gases

Using the product may be accompanied by the formation of explosive/highly inflammable vapour-air-mixtures. Use water spray to cool unopened containers.

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental release measures

Personal precautions

Keep people away from and upwind of spill/leak. Ensure adequate ventilation.

Environmental precautions

Do not flush into surface water or sanitary sewer system.

Methods for cleaning up/taking up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Additional information

Remove all sources of ignition.

7. Handling and storage

7.1 Handling

Advice on safe handling

Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours).

Advice on protection against fire and explosion

Keep away from heat and sources of ignition.

Further information on handling

Provide sufficient air exchange and/or exhaust in work rooms. Do not smoke.

7.2 Storage

Requirements for storage rooms and vessels

Keep container tightly closed in a dry and well-ventilated place.

8. Exposure controls/personal protection

8.1 Exposure limit values

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Exposure limits (EH40)

| CAS No. | Substance | ml/m ³ | mg/m ³ | F/ml | Category | Origin |
|----------|-----------------------------------|-------------------|-------------------|------|---------------|--------|
| 67-64-1 | Acetone | 500 | 1210 | | TWA (8 h) | WEL |
| | | 1500 | 3620 | | STEL (15 min) | WEL |
| 78-93-3 | Butan-2-one (methyl ethyl ketone) | 200 | 600 | | TWA (8 h) | WEL |
| | | 300 | 899 | | STEL (15 min) | WEL |
| 141-78-6 | Ethyl acetate | 200 | - | | TWA (8 h) | WEL |
| | | 400 | - | | STEL (15 min) | WEL |

BAT values (TRGS 903)

| CAS No. | Substance | Value | Parameter | Test material | Sampling time |
|---------|------------------------------|---------|-----------|---------------|---------------|
| 78-93-3 | 2-Butanon (Ethylmethylketon) | 5 mg/l | 2-Butanon | U | b |
| 67-64-1 | Aceton | 80 mg/l | Aceton | U | b |

8.2 Exposure controls**Occupational exposure controls**

Ensure adequate ventilation, especially in confined areas.

Protective and hygiene measures

Avoid contact with the skin and the eyes. Remove and wash contaminated clothing before re-use.
Wash hands before breaks and at the end of workday.

Respiratory protection

Ensure adequate ventilation, especially in confined areas. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Eye protection

Tightly fitting safety goggles

9. Physical and chemical properties**9.1 General information**

Physical state : liquid
Colour : hellbraun
Odour : solvent

9.2 Important health, safety and environmental information

Test method

Changes in the physical state

Boiling point : 80 °C
Flash point : - 5 °C
Lower explosion limits : 1,4 vol. %
Upper explosion limits : 12,6 vol. %
Vapour pressure : 110 hPa
(at 20 °C)
Density (at 20 °C) : 0,87 g/cm³
Water solubility : partly soluble
(at 20 °C)
Solubility in other solvents : ester, ketone
Viscosity / dynamic : 2000 mPa·s
(at 20 °C)

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Solvent content

82%

9.3 Other information

Ignition temperature : >200 °C

10. Stability and reactivity**Conditions to avoid**

Risk of decomposition.:
No decomposition if used as directed.

Hazardous decomposition products

No dangerous reaction known under conditions of normal use.

Additional information

No decomposition if stored normally.

11. Toxicological information**Specific effects in experiment on an animal**

Eye/rabbit = Mild eye irritation

Sensitising effects

Sensitization: no sensitizing effect known.

12. Ecological information**Ecotoxicity**

Do not allow to escape into waters, wastewater or soil.

Mobility

The product evaporates readily.

13. Disposal considerations**Advice on disposal**

Can be incinerated, when in compliance with local regulations.

Waste disposal number of waste from residues/unused products

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other dangerous substances
Classified as hazardous waste.

Contaminated packaging

Fully drained containers which are drop- and scrape-free can be treated as industrial waste, and can possibly be recycled.

14. Transport information**Land transport (ADR/RID)**

| | |
|-------------------------|------|
| ADR/RID class : | 3 |
| Warning plate | |
| Hazard-no. : | 33 |
| UN number : | 1133 |
| Hazard label : | 3 |
| ADR/RID packing group : | III |

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Description of the goods

adhesive

Remarks (land transport)

Sondervorschrift 640H

Inland waterways transport

| | |
|------------------|------|
| ADN/ADNR class : | 3 |
| Category : | F1 |
| UN number : | 1133 |

Description of the goods

Klebstoffe

Remarks (inland waterways transport)

Sondervorschrift 640H

Marine transport

| | |
|----------------------|----------|
| IMDG code : | 3 |
| UN number : | 1133 |
| Marine pollutant : | - |
| EmS : | F-E, S-D |
| IMDG packing group : | III |
| Hazard label : | 3 |

Description of the goods

adhesive

Air transport

| | |
|---|-------|
| ICAO/IATA-DGR : | 3 |
| UN/ID number : | 1133 |
| Hazard label : | 3 |
| IATA-packing instructions - Passenger : | 309 |
| IATA-max. quantity - Passenger : | 60 L |
| IATA-packing instructions - Cargo : | 310 |
| IATA-max. quantity - Cargo : | 220 L |
| ICAO packing group : | III |

Description of the goods

Adhesives

15. Regulatory information**15.1 Labelling**

Indication of danger : F - Highly flammable; Xi - Irritant
 Labelling according to EC-guidelines : Labelling in accordance with the EEC directives:

R phrases

| | |
|----|---|
| 11 | Highly flammable. |
| 36 | Irritating to eyes. |
| 66 | Repeated exposure may cause skin dryness or cracking. |
| 67 | Vapours may cause drowsiness and dizziness. |

S phrases

| | |
|----|--|
| 02 | Keep out of the reach of children. |
| 09 | Keep container in a well-ventilated place. |
| 16 | Keep away from sources of ignition - No smoking. |
| 23 | Do not breathe Gas/Rauch/Dampf/Aerosol. |
| 29 | Do not empty into drains. |
| 33 | Take precautionary measures against static discharges. |

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15.2 National regulations

| | |
|-----------------------------|----------------------------------|
| Water contaminating class : | 1 - slightly water contaminating |
| 1999/13/EC (VOC) : | 81% |

16. Other information**List of relevant R phrases**

- | | |
|----|---|
| 11 | Highly flammable. |
| 36 | Irritating to eyes. |
| 66 | Repeated exposure may cause skin dryness or cracking. |
| 67 | Vapours may cause drowsiness and dizziness. |

Other data

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.