

Safety Data Sheet

according to 2001/58/EC

VERDÜNNER 220

Print date : 13.12.2006

Product code : 1891

Page 1 of 5

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

VERDÜNNER 220

Use of the substance/preparation

, Thinner

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)
solution**Hazardous components**

EC-No.	CAS-No.	Chemical name	Quantity	Classification
200-662-2	67-64-1	Aceton	60-90%	F, Xi R11-36-66-67
205-500-4	141-78-6	Ethylacetat	40-10%	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.

Safety Data Sheet

according to 2001/58/EC

VERDÜNNER 220

Print date : 13.12.2006

Product code : 1891

Page 2 of 5

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

In the event of fire and/or explosion do not breathe fumes.

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

Additional information

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

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

Safety Data Sheet

according to 2001/58/EC

VERDÜNNER 220

Print date : 13.12.2006

Product code : 1891

Page 3 of 5

Exposure limits (EH40)

CAS No.	Substance	ml/m³	mg/m³	F/ml	Category	Origin
67-64-1	Acetone	500	1210		TWA (8 h)	WEL
		1500	3620		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
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 : clear
 Odour : solvent

9.2 Important health, safety and environmental information

Test method

Changes in the physical state

Boiling point : 60 °C
 Flash point : - 12 °C
 Lower explosion limits : 2,1 vol. %
 Upper explosion limits : 12,5 vol. %
 Vapour pressure : 230 hPa
 (at 20 °C)
 Density (at 20 °C) : 0,82 g/cm³
 Water solubility : partly soluble
 (at 20 °C)
 Solubility in other solvents : Ester, Ketone

Solvent content

100%

10. Stability and reactivity

Safety Data Sheet

according to 2001/58/EC

VERDÜNNER 220

Print date : 13.12.2006

Product code : 1891

Page 4 of 5

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: Sensitization: no sensitizing effect known.

12. Ecological information**Ecotoxicity**

WGK: 1 = slightly water endangering
Do not allow to escape into waters, wastewater or soil.

Mobility

The product evaporates readily.

Other adverse effects

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

13. Disposal considerations**Waste disposal number of waste from residues/unused products**

070104 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals; other organic solvents, washing liquids and mother liquors
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. :	3
UN number :	1993
Hazard label :	3
ADR/RID packing group :	II

Marine transport

IMDG code :	3
UN number :	1993
Marine pollutant :	mp
EmS :	3-07
IMDG packing group :	II
Hazard label :	3

Air transport

Safety Data Sheet

according to 2001/58/EC

VERDÜNNER 220

Print date : 13.12.2006

Product code : 1891

Page 5 of 5

ICAO/IATA-DGR :	3	
UN/ID number :	1993	
Hazard label :	3	
IATA-max. quantity - Passenger :		5 L
IATA-max. quantity - Cargo :		60 L
ICAO packing group :	II	

Description of the goods

Flammable liquid

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

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

15.2 National regulations

Water contaminating class :	1 - slightly water contaminating
1999/13/EC (VOC) :	100%

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 information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.