

Material Safety Data Sheet

according to Regulation (EC) 1907/2006



Product name : VERDÜNNUNG V 100
Revision : 11.04.2012
Print date : 11.04.2012

Version : 1.0.0

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

VERDÜNNUNG V 100 (0000136500)

1.2 Relevant identified uses of the substance or mixture and uses advised against

Coating / Impregnation / Surface coating/paint

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier : Remmers Baustofftechnik GmbH
Street/P.O.Box : Bernhard-Remmers-Strasse 13
Country code/Postal code/Town/City : 49624 Lönigen
Telephone : 05432/83-0
Telefax : 05432/3985
Contact : Steve Dunn Tel.: +44 (0) 845 373 0103
E-Mail: sales@remmers.co.uk

1.4 Emergency telephone number

during working hours:
U.K.: Tel.: +44 (0) 845 373 0103
sales@remmers.co.uk
Far East: Tel.: +65(0) 67410277
Head Office Germany: Tel.: +49 (0)5432 83 187
info@remmers.de
after working hours: Tel.: +49 (0)171 21 34 091

2. Hazards identification

2.1 Classification of the substance or mixture

Directive 67/548/EEC or 1999/45/EC

Flammable. · Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. · Harmful: may cause lung damage if swallowed. · Irritating to respiratory system.

R 10 · N ; R 51/53 · Xn ; R 65 · Xi ; R 37 · R 67 · R 66

Regulation (EC) No 1272/2008 (GHS)

Flammable liquid and vapour. · May be fatal if swallowed and enters airways. · May cause respiratory irritation. · Toxic to aquatic life with long lasting effects.

Aquatic Chronic 2 ; H411 · Asp.Tox. 1 ; H304 · Flam. Liq. 3 ; H226 · STOT SE 3 ; H335 · STOT SE 3 ; H336

2.2 Label elements

Directive 67/548/EEC or 1999/45/EC

Danger symbol and danger designation



Xn ; Harmful

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N ; Dangerous for the environment

R-phrases

- 10 Flammable.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
65 Harmful: may cause lung damage if swallowed.
37 Irritating to respiratory system.
67 Vapours may cause drowsiness and dizziness.
66 Repeated exposure may cause skin dryness or cracking.

S-phrases

- 61 Avoid release to the environment. Refer to special instructions / safety data sheet.
62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.
2 Keep out of the reach of children.
51 Use only in well-ventilated areas.
24 Avoid contact with skin.

Regulation (EC) No 1272/2008 (GHS)

Hazard pictograms



Flame (GHS02) · Health hazard (GHS08) · Environment (GHS09) · Exclamation mark (GHS07)

Signal word

Danger

Hazard statements

- H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

- P102 Keep out of the reach of children.
P103 Read label before use.
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 Keep container tightly closed.
P301/310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331 Do not induce vomiting.
P403/235 Store in a well-ventilated place. Keep cool.

Supplemental hazard information

- EUH066 Repeated exposure may cause skin dryness or cracking.

2.3 Other hazards

None.

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3. Composition/information on ingredients

3.2 Mixtures

Hazardous components

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC ; CAS-No. : 64742-95-6

Percentage : 40 - 60 %
Classification 67/548/EEC : R10 N ; R51/53 Xn ; R65 Xi ; R37 R67 R66
Classification 1907/2006 (GHS) : Flam. Liq. 3 ; H226 Asp.Tox. 1 ; H304 STOT SE 3 ; H335 STOT SE 3 ; H336 Aquatic Chronic 2 ; H411

NAPHTHA (PETROLEUM), HYDRODESULFURIZED HEAVY ; Registration number (EC) : 01-2119473977-17 ; EC-No. : 265-185-4 ; CAS-No. : 64742-82-1

Percentage : 40 - 60 %
Classification 67/548/EEC : Xn ; R65
Classification 1907/2006 (GHS) : Asp.Tox. 1 ; H304

For the wording of the listed risk phrases refer to section 16.

4. First aid measures

4.1 Description of first aid measures

General

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

After inhalation

Take the casualty into the fresh air and keep warm. Keep at rest. Irregular breathing/no breathing: artificial respiration. Unconsciousness: lateral position - call a physician.

After skin contact

Immediately remove all contaminated clothing. Wash away with soap and water and rinse. Do NOT use solvents or thinners.

After eye contact

Remove contact lenses, keep eyelids open. Flush with plenty of water (10 - 15 min.). Call a physician.

After ingestion

Contact a doctor immediately. Keep at rest. Do not induce vomiting.

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

None.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Alcohol resistant foam, CO₂, powders, water spray.

Unsuitable extinguishing media

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Waterjet.

5.2 Special hazards arising from the substance or mixture

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

5.3 Advice for firefighters

Appropriate breathing apparatus may be required.

5.4 Additional information

Cool endangered containers with water in case of fire. Do not allow the quenching water into the sewage system.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Remove ignition sources. Provide for sufficient ventilation. Do not inhale the vapour. Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions

Do not empty into drains. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent; avoid use of solvents.

6.4 Reference to other sections

None.

7. Handling and storage

7.1 Precautions for safe handling

Information for safe handling

Prevent the creation of inflammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the OEL (=Occupational Exposure Limit). Additionally, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use earthing leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid contact with skin and eyes. Do not inhale the vapour. Do not eat or drink during work - no smoking. Comply with the health and safety at work laws.

Information about protection against explosions and fires

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

7.2 Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and containers

Keep container tightly closed. Never use pressure to empty: container is not a pressure vessel. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Information about separation of incompatible products

Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.

Further information about storage conditions

Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct

Storage class : 3

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Storage class : 3

7.3 Specific end use(s)

None.

8. Exposure controls/personal protection

8.1 Control parameters

None.

8.2 Exposure controls

Personal protective equipment

General protective and hygiene measures

Wash hands before breaks and after work.

Respiratory protection

If workplace limits are exceeded, a gas mask approved for this purpose must be worn. Fresh air masks are recommended, or combination filters A2-P2 for works of short duration.

Hand protection

Solvent-resistant protective gloves must be worn. After washing hands replace lost skin fat by fat containing skin creams. Handschuhe aus Nitrilkautschuk, z. B. Tricotril der Fa. KCL

Eye protection

Use safety glasses.

Body protection

Personal should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber. All parts of the body should be washed after contact.

Additional information about engineering measures

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit) , suitable respiratory protection must be worn.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Relevant safety data

Physical state :		liquid
Flash point :		52 °C
Vapour pressure :	(50 °C) <	1000 hPa
Density :	(20 °C)	0,82 g/cm ³
Viscosity :	(20 °C)	10 mPa.s
Maximum VOC content (EC) :		100 Wt %

9.2 Other information

None.

10. Stability and reactivity

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10.1 Reactivity

There are no data available on the product itself.

10.2 Chemical stability

There are no data available on the product itself.

10.3 Possibility of hazardous reactions

There are no data available on the product itself.

10.4 Conditions to avoid

Stable under recommended storage and handling conditions(See section 7).

10.5 Incompatible materials

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.6 Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

11.1 Information on toxicological effects

There are no data available on the product itself.

11.2 Experience on practice

Inhalation/eye contact: in high concentrations irritating to the mucous membranes, narcotic effect and influence on power of reaction and loss of coordination possible. Prolonged inhalation of vapours in high concentrations may lead to headache, giddiness and nausea. In case of contact with the product: danger of resorption through the skin, irritation of skin/mucous membranes. Eye contact: irritation.

11.3 Additional toxicological information

The product was classified in toxicological terms on the basis of the results of the calculation procedure outlined within General Directive on Preparations (1999/45/EC).

12. Ecological information

12.1 Toxicity

There are no data available on the product itself.

12.2 Persistence and degradability

There are no data available on the product itself.

12.3 Bioaccumulative potential

There are no data available on the product itself.

12.4 Mobility in soil

There are no data available on the product itself.

12.5 Results of PBT and vPvB assessment

There are no data available on the product itself.

12.6 Other adverse effects

There are no data available on the product itself.

12.7 Additional information

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Do not empty into waters or drains.

13. Disposal considerations

Contaminated packaging must be emptied of all residues and, following appropriate cleaning, may be sent to a recycling plant. Uncleaned packaging must be disposed of in the same manner as the medium.

13.1 Waste treatment methods

Do not empty into waters or drains. Can be taken to a suitable incineration centre in observance of local regulations.

Waste key

Waste code (91/689/EEC) : 07 07 04*

14. Transport information

14.1 UN number

1263

14.2 UN proper shipping name

ADR/RID

PAINT RELATED MATERIAL

IMDG-Code

PAINT RELATED MATERIAL

ICAO-TI / IATA-DGR

PAINT RELATED MATERIAL

14.3 Transport hazard class(es)

ADR/RID

Class : 3
Classification-Code : F1
Kemlercode : 30
Tunnel restriction code : D/E
Special provisions : 640E · LQ 7 · E 1
Label : 3

IMDG-Code

Class : 3
EmS number : F-E / S-E
Special provisions : LQ 5 I · E 1
Label : 3

ICAO-TI / IATA-DGR

Class : 3
Special provisions : E 1
Label : 3

14.4 Packing group

III

14.5 Environmental hazards

ADR/RID : -

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IMDG-Code : -
ICAO-TI / IATA-DGR : -

14.6 Special precautions for user

None.

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulatory information

Water pollution classification

Class : 2 Classification according to VwVwS

15.2 Chemical safety assessment

There are no data available on the product itself.

16. Other information

Further information

The details in this material safety data sheet satisfy national and EC legislation. We have no knowledge or control over the user's working conditions however. The product may not be used for any purpose other than that specified in chapter 1 unless written consent has been obtained. The user is responsible for the observance of all required statutory provisions.

R-Phrases of components

10	Flammable.
37	Irritating to respiratory system.
51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
65	Harmful: may cause lung damage if swallowed.
66	Repeated exposure may cause skin dryness or cracking.
67	Vapours may cause drowsiness and dizziness.

GHS Hazard statements of components

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

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.