

**Safety Data Sheet**

according to UK REACH Regulation

WS-Kunsthartz Verdünnung KV 657

Revision date: 13.03.2025

Product code: 4002

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

WS-Kunsthartz Verdünnung KV 657

UFI: U1X5-C9RF-HVJ2-86PV

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Solvent/Thinner.

Uses advised against

Do not use for products which come into contact with the food stuffs.

1.3. Details of the supplier of the safety data sheet

Company name: W+S GmbH Lackchemie und Aerosol-Technik

Street: Am Sportplatz 5

Place: D-63791 Karlstein-Dettingen

Telephone: +49 6188 9575-0

Telefax: +49 6188 9575-30

E-mail: info@ws-lackchemie.de

Contact person: Abt. Produkt / Sicherheit

Responsible Department: Abt. Produkt / Sicherheit

1.4. Emergency telephone number: +49 551-19240 GIZ-Nord Poisons Centre**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****GB CLP Regulation**

Flam. Liq. 3; H226

STOT SE 3; H336

Asp. Tox. 1; H304

Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

2.2. Label elements**GB CLP Regulation****Hazard components for labelling**

Naphtha, hydrosulfurierte schwere, Benzolgehalt <0.1%

Lösemittelnaphta (Erdöl), Benzolgehalt < 0,1%

Hydrocarbons Liquid, C10-C13,

1-methoxy-2-propanol; monopropylene glycol methyl ether

Signal word: Danger**Pictograms:****Hazard statements**

H226

Flammable liquid and vapour.

H304

May be fatal if swallowed and enters airways.

H336

May cause drowsiness or dizziness.

H412

Harmful to aquatic life with long lasting effects.

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Precautionary statements

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P271 Use only outdoors or in a well-ventilated area.
- P273 Avoid release to the environment.
- P370+P378 In case of fire: Use sand, dry chemical or alcohol-resistant foam to extinguish.
- P501 Offer surplus and non-recyclable solutions to a licensed disposal company.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Relevant ingredients**

| CAS No | Chemical name | | | Quantity |
|------------|---|--------------|------------------|-------------|
| | EC No | Index No | REACH No | |
| | Classification (GB CLP Regulation) | | | |
| 64742-82-1 | Naphta, hydrosulfurierte schwere, Benzolgehalt <0.1% | | | 45 - < 50 % |
| | 265-185-4 | | | |
| | Flam. Liq. 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H226 H336 H304 H411 EUH066 | | | |
| 64742-95-6 | Lösemittelnaphta (Erdöl), Benzolgehalt < 0,1% | | | 35 - < 40 % |
| | Flam. Liq. 3, Asp. Tox. 1, Aquatic Chronic 2; H226 H304 H411 | | | |
| | Hydrocarbons Liquid, C10-C13, | | | 10 - < 15 % |
| | 918-481-9 | | 01-2119457273-39 | |
| | Flam. Liq. 4, Skin Irrit. 3, Asp. Tox. 1; H227 H316 H304 EUH066 | | | |
| 107-98-2 | 1-methoxy-2-propanol; monopropylene glycol methyl ether | | | 1 - < 5 % |
| | 203-539-1 | 603-064-00-3 | | |
| | Flam. Liq. 3, STOT SE 3; H226 H336 | | | |

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

| CAS No | EC No | Chemical name | Quantity |
|------------|-----------|---|-------------|
| | | Specific Conc. Limits, M-factors and ATE | |
| 64742-82-1 | 265-185-4 | Naphta, hydrosulfurierte schwere, Benzolgehalt <0.1% | 45 - < 50 % |
| | | dermal: LD50 = >3126 mg/kg; oral: LD50 = >5000 mg/kg | |
| 64742-95-6 | | Lösemittelnaphta (Erdöl), Benzolgehalt < 0,1% | 35 - < 40 % |
| | | dermal: LD50 = >2000 mg/kg; oral: LD50 = >2000 mg/kg | |
| | 918-481-9 | Hydrocarbons Liquid, C10-C13, | 10 - < 15 % |
| | | dermal: LD50 = >5000 mg/kg; oral: LD50 = >5000 mg/kg | |
| 107-98-2 | 203-539-1 | 1-methoxy-2-propanol; monopropylene glycol methyl ether | 1 - < 5 % |
| | | dermal: LD50 = 11000 mg/kg; oral: LD50 = > 5000 mg/kg | |

Further Information

Full text of R-phrases: see section 16.

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Give nothing to eat or drink.

After inhalation

Medical treatment necessary. In case of inhaling spray mists, consult a doctor immediately and show him box

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or label. If victim is at risk of losing consciousness, position and transport on their side. Provide fresh air.

After contact with skin

After contact with skin, wash immediately with: Water. Remove contaminated, saturated clothing immediately. Change contaminated clothing. Wash thoroughly the body (shower or bath).

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

If swallowed, immediately drink: Water. Do NOT induce vomiting. Call a physician immediately.

Caution if victim vomits: Risk of aspiration!

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

Frequently or prolonged contact with skin may cause dermal irritation.

4.3. Indication of any immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Foam. Dry extinguishing powder. Carbon dioxide (CO₂). ABC powder.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Combustible. Vapours may form explosive mixtures with air. Burning produces heavy smoke. In case of fire and/or explosion do not breathe fumes. Use water spray jet to protect personnel and to cool endangered containers. Contaminated fire-fighting water must be collected separately.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Remove all sources of ignition. Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Wear personal protection equipment. Remove all sources of ignition. Provide adequate ventilation. See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Explosion hazard. Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up**Other information**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

See protective measures under point 7 and 8.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray. Preventive measures: If handled uncovered, arrangements with local exhaust

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ventilation have to be used. It is recommended to design all work processes always so that the following is excluded: inhalation. skin contact. Eye contact. Take precautionary measures against static discharges.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Vapours may form explosive mixtures with air.

Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Protect skin by using skin protective cream. After work, wash hands and face. When using do not eat or drink. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Keep container in a well-ventilated place. Keep only in the original container in a cool, well-ventilated place. Take precautionary measures against static discharges.

Hints on joint storage

Do not store together with: Material, rich in oxygen, oxidizing. Materials to avoid: Acid. Base. Material, combustible. Oxidizing agents.

Further information on storage conditions

Keep away from sources of ignition - No smoking. Protect against: heat. Keep/Store only in original container.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limits (EH40)**

| CAS No | Substance | ppm | mg/m ³ | fibres/ml | Category | Origin |
|----------|----------------------|-----|-------------------|-----------|---------------|--------|
| 107-98-2 | 1-Methoxypropan-2-ol | 100 | 375 | | TWA (8 h) | WEL |
| | | 150 | 560 | | STEL (15 min) | WEL |

8.2. Exposure controls**Appropriate engineering controls**

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray. Occupational exposure controls: Refer to chapter 7. No further action is necessary.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Suitable eye protection: Framed glasses. Goggles.

Hand protection

Tested protective gloves are to be worn:
Suitable material: NBR (Nitrile rubber), Butyl rubber.
Thickness of glove material: >0,4mm
penetration time (maximum wearing period): >480min
DIN-/EN-Norms EN ISO 374

Skin protection

Suitable protective clothing: Lab apron.

Respiratory protection

Respiratory protection necessary at: exceeding exposure limit values insufficient ventilation. insufficient absorption.

Environmental exposure controls

Refer to chapter 7 No further action is necessary.

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SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

| | |
|------------------|----------------|
| Physical state: | liquid |
| Colour: | colourless |
| Odour: | characteristic |
| Odour threshold: | not determined |

Test method

| | |
|---|-----------------------------------|
| Boiling point or initial boiling point and boiling range: | 135 °C |
| Lower explosion limits: | 0,6 vol. % |
| Upper explosion limits: | 7,8 vol. % |
| Flash point: | 31 °C |
| Auto-ignition temperature: | 260 °C |
| Vapour pressure: | 3 hPa |
| (at 20 °C) | |
| Density (at 20 °C): | 0,815 g/cm ³ DIN 53217 |

9.2. Other information**Other safety characteristics**

| | |
|------------------|-----------------------|
| Solvent content: | VOCV (CH): 100% |
| | VOC (EU): 815 g/l |
| | 0 % |
| Solid content: | |
| Flow time: | 28 (3 mm) 3 DIN 53211 |
| (at 20 °C) | |

SECTION 10: Stability and reactivity**10.1. Reactivity**

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

10.2. Chemical stability

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

10.3. Possibility of hazardous reactions

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

10.4. Conditions to avoid

Keep away from heat. Ignition hazard. Conditions to avoid:

In case of warming: Danger of bursting container.

10.5. Incompatible materials

Alkalies (alkalis). Acid. Oxidizing agents.

10.6. Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapors.

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in GB CLP Regulation****Acute toxicity**

Toxicological data are not available.

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

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| CAS No | Chemical name | | | | |
|------------|---|-------------------|---------|--------|--------|
| | Exposure route | Dose | Species | Source | Method |
| 64742-82-1 | Naphta, hydrosulfurierte schwere, Benzolgehalt <0.1% | | | | |
| | oral | LD50 >5000 mg/kg | Rat | | |
| | dermal | LD50 >3126 mg/kg | Rabbit | | |
| 64742-95-6 | Lösemittelnaphta (Erdöl), Benzolgehalt < 0,1% | | | | |
| | oral | LD50 >2000 mg/kg | Rat | | |
| | dermal | LD50 >2000 mg/kg | Rabbit | | |
| | Hydrocarbons Liquid, C10-C13, | | | | |
| | oral | LD50 >5000 mg/kg | Rat | | |
| | dermal | LD50 >5000 mg/kg | Rabbit | | |
| 107-98-2 | 1-methoxy-2-propanol; monopropylene glycol methyl ether | | | | |
| | oral | LD50 > 5000 mg/kg | Rat | IUCLID | |
| | dermal | LD50 11000 mg/kg | Rabbit | | |

Irritation and corrosivity

Caution if victim vomits: Risk of aspiration! Following inhalation: Lung irritation. Coughing. shortage of breath.
Evaluation: non-irritant.

STOT-repeated exposure

Has de-greasing effect on the skin. Frequently or prolonged contact with skin may cause dermal irritation.

Specific effects in experiment on an animal

Rat LD50: 4300 - 5800 mg/kg Acute toxicity, oral
Data apply to the main component.

Additional information on tests

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

11.2. Information on other hazards**Further information**

Toxicological data are not available.

SECTION 12: Ecological information**12.1. Toxicity**

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Doesn't get into the sewage water as long as the process is carried out according to regulations.
Very toxic for Water fleas.

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| CAS No | Chemical name | | | | | |
|----------|---|------------------------|-----------|---------------------------|--------|--------|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source | Method |
| 107-98-2 | 1-methoxy-2-propanol; monopropylene glycol methyl ether | | | | | |
| | Acute fish toxicity | LC50 4600 - 10000 mg/l | 96 h | Leuciscus idus | IUCLID | |
| | Acute algae toxicity | ErC50 > 1000 mg/l | 72 h | Selenastrum capricornutum | | |
| | Acute crustacea toxicity | EC50 > 500 mg/l | 48 h | Daphnia magna | IUCLID | |

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|----------|---|---------|
| 107-98-2 | 1-methoxy-2-propanol; monopropylene glycol methyl ether | -0,437 |

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

No data available

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No data available

Further information

Do not allow to enter into surface water or drains. The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations**

Dispose of waste according to applicable legislation.

List of Wastes Code - residues/unused products

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other hazardous substances; hazardous waste

List of Wastes Code - used product

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other hazardous substances; hazardous waste

List of Wastes Code - contaminated packaging

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080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other hazardous substances; hazardous waste

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself. Hand over to officially registered waste disposal company.

SECTION 14: Transport information**Land transport (ADR/RID)**

14.1. UN number or ID number: UN 1263
14.2. UN proper shipping name: PAINT RELATED MATERIAL
14.3. Transport hazard class(es): 3
14.4. Packing group: III
Hazard label: 3



Classification code: F1
Special Provisions: 163 367 650
Limited quantity: 5 L
Excepted quantity: E1
Transport category: 3
Hazard No: 30
Tunnel restriction code: D/E

Inland waterways transport (ADN)

14.1. UN number or ID number: UN 1263
14.2. UN proper shipping name: Paint related material
14.3. Transport hazard class(es): 3
14.4. Packing group: III
Hazard label: 3



Classification code: F1
Special Provisions: 163 367 650
Limited quantity: 5 L
Excepted quantity: E1

Marine transport (IMDG)

14.1. UN number or ID number: UN 1263
14.2. UN proper shipping name: PAINT RELATED MATERIAL
14.3. Transport hazard class(es): 3
14.4. Packing group: III
Hazard label: 3



Special Provisions: 163, 223, 367, 955
Limited quantity: 5 L
Excepted quantity: E1
EmS: F-E, S-E

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Air transport (ICAO-TI/IATA-DGR)**14.1. UN number or ID number:**

UN 1263

14.2. UN proper shipping name:

PAINT RELATED MATERIAL

14.3. Transport hazard class(es):

3

14.4. Packing group:

III

Hazard label:

3



Special Provisions:

A3 A72 A192

Limited quantity Passenger:

10 L

Passenger LQ:

Y344

Excepted quantity:

E1

IATA-packing instructions - Passenger:

355

IATA-max. quantity - Passenger:

60 L

IATA-packing instructions - Cargo:

366

IATA-max. quantity - Cargo:

220 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No information available.

14.7. Maritime transport in bulk according to IMO instruments

No information available.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 28, Entry 40

Directive 2004/42/EC on VOC in
paints and varnishes:

VOCV (CH): 100%

VOC (EU): 815 g/l

National regulatory information

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water hazard class (D):

2 - obviously hazardous to water

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information**Abbreviations and acronyms**

Flam. Liq: Flammable liquids

Asp. Tox: Aspiration hazard

Skin Irrit: Skin irritation

STOT SE: Specific target organ toxicity - single exposure

Aquatic Chronic: Chronic aquatic hazard

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Classification for mixtures and used evaluation method according to GB CLP Regulation

| Classification | Classification procedure |
|-------------------------|--------------------------|
| Flam. Liq. 3; H226 | On basis of test data |
| STOT SE 3; H336 | Calculation method |
| Asp. Tox. 1; H304 | Calculation method |
| Aquatic Chronic 3; H412 | |

Relevant H and EUH statements (number and full text)

| | |
|--------|---|
| H226 | Flammable liquid and vapour. |
| H227 | Combustible liquid. |
| H304 | May be fatal if swallowed and enters airways. |
| H316 | Causes mild skin irritation. |
| H336 | May cause drowsiness or dizziness. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |
| EUH066 | Repeated exposure may cause skin dryness or cracking. |

Further Information

The product is classified and labelled according to EC directives or corresponding national laws.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)