



VT-320 cPVC Solvent Cement

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Issue date: 21/10/2020 Version: 1.0

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

1.1. Product identifier

Product form : Mixture
Product name : VT-320 cPVC Solvent Cement
Product group : Trade product

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

1.2.1. Relevant identified uses

Intended for general public
Main use category : Professional use, Consumer use
Use of the substance/mixture : Adhesives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer

Vital Technical Sdn. Bhd.
No.93, Jalan Industri 3/3
Rawang Integrated Industrial Park,
48000 Rawang, Selangor, Malaysia.
T +603 60942088 - F +603 60992930
sales@vitaltechnical.com

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

| | |
|--|------|
| Flammable liquids, Category 2 | H225 |
| Serious eye damage/eye irritation, Category 2 | H319 |
| Carcinogenicity, Category 2 | H351 |
| Specific target organ toxicity — Single exposure, Category 3, Narcosis | H336 |
| Hazardous to the aquatic environment — Chronic Hazard, Category 3 | H412 |

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Highly flammable liquid and vapour. Suspected of causing cancer. May cause drowsiness or dizziness. Causes serious eye irritation. Harmful to aquatic life with long lasting effects.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS02

GHS07

GHS08

Signal word (CLP) :

Danger

Contains :

acetone; propan-2-one; propanone; butanone; ethyl methyl ketone; tetrahydrofuran

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| | |
|--------------------------------|--|
| Hazard statements (CLP) | : H225 - Highly flammable liquid and vapour. H319 - Causes serious eye irritation. H336 - May cause drowsiness or dizziness. H351 - Suspected of causing cancer. H412 - Harmful to aquatic life with long lasting effects. |
| Precautionary statements (CLP) | : P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children. 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. P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. P405 - Store locked up. |

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|----------------------------------|---|-------------|--|
| cyclohexanone | (CAS-No.) 108-94-1 (EC-No.) 203-631-1 (EC Index-No.) 606-010-00-7 | ≥ 30 – < 50 | Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 |
| tetrahydrofuran | (CAS-No.) 109-99-9 (EC-No.) 203-726-8 (EC Index-No.) 603-025-00-0 | ≥ 10 – < 30 | Flam. Liq. 2, H225 Eye Irrit. 2, H319 Carc. 2, H351 STOT SE 3, H335 |
| butanone; ethyl methyl ketone | (CAS-No.) 78-93-3 (EC-No.) 201-159-0 (EC Index-No.) 606-002-00-3 | ≥ 10 – < 30 | Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 |
| acetone; propan-2-one; propanone | (CAS-No.) 67-64-1 (EC-No.) 200-662-2 (EC Index-No.) 606-001-00-8 (REACH-no) 01-2119471330-49 | ≥ 1 – < 10 | Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 |
| zinc oxide | (CAS-No.) 1314-13-2 (EC-No.) 215-222-5 (EC Index-No.) 030-013-00-7 | ≥ 1 – < 10 | Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |

Specific concentration limits:

| Name | Product identifier | Specific concentration limits |
|-----------------|---|---|
| tetrahydrofuran | (CAS-No.) 109-99-9 (EC-No.) 203-726-8 (EC Index-No.) 603-025-00-0 | (25 ≤ C ≤ 100) STOT SE 3, H335 (25 ≤ C ≤ 100) Eye Irrit. 2, H319 |

Full text of H-statements: see section 16

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SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|--|
| First-aid measures general | : IF exposed or concerned: Get medical advice/attention. |
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. |
| First-aid measures after skin contact | : Rinse skin with water/shower. Take off immediately all contaminated clothing. |
| First-aid measures after eye contact | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion | : Call a poison center or a doctor if you feel unwell. |

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

| | |
|------------------------------------|--------------------------------------|
| Symptoms/effects | : May cause drowsiness or dizziness. |
| Symptoms/effects after eye contact | : Eye irritation. |

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|--------------------------------|-------------------------------------|
| Suitable extinguishing media | : Dry powder. Foam. Carbon dioxide. |
| Unsuitable extinguishing media | : Water spray. |

5.2. Special hazards arising from the substance or mixture

| | |
|--|---------------------------------------|
| Fire hazard | : Highly flammable liquid and vapour. |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |

5.3. Advice for firefighters

| | |
|--------------------------------|--|
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |
|--------------------------------|--|

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

| | |
|----------------------|---|
| Emergency procedures | : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. |
|----------------------|---|

6.1.2. For emergency responders

| | |
|----------------------|---|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
|----------------------|---|

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

| | |
|-------------------------|---|
| Methods for cleaning up | : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters. |
| Other information | : Dispose of materials or solid residues at an authorized site. |

6.4. Reference to other sections

For further information refer to section 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Ground/bond container and receiving equipment.
- Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| SILICA, AMORPHOUS (7631-86-9) | |
|--|--|
| Austria - Occupational Exposure Limits | |
| MAK Daily average value (mg/m ³) | ≈ 4 mg/m ³ |
| United Kingdom - Occupational Exposure Limits | |
| WEL TWA (mg/m ³) | ≈ 6 mg/m ³ |
| zinc oxide (1314-13-2) | |
| Belgium - Occupational Exposure Limits | |
| Limit value [mg/m ³] | ≈ 10 mg/m ³ |
| France - Occupational Exposure Limits | |
| VME [mg/m ³] | ≈ 10 mg/m ³ |
| Latvia - Occupational Exposure Limits | |
| OEL TWA (mg/m ³) | ≈ 0.5 mg/m ³ |
| Spain - Occupational Exposure Limits | |
| VLA-ED (mg/m ³) | ≈ 10 mg/m ³ |
| Sweden - Occupational Exposure Limits | |
| nivågränsvärde (NVG) (mg/m ³) | ≈ 5 mg/m ³ |
| Switzerland - Occupational Exposure Limits | |
| MAK (mg/m ³) | ≈ 3 mg/m ³ |
| KZGW (mg/m ³) | ≈ 3 mg/m ³ |
| USA - ACGIH - Occupational Exposure Limits | |
| Local name | Zinc oxide |
| ACGIH TWA (mg/m ³) | 2 mg/m ³ (R - Respirable particulate matter) |
| ACGIH STEL (mg/m ³) | 10 mg/m ³ (R - Respirable particulate matter) |
| Remark (ACGIH) | TLV® Basis: Metal fume fever |

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| zinc oxide (1314-13-2) | |
|------------------------|------------|
| Regulatory reference | ACGIH 2020 |

| cyclohexanone (108-94-1) | |
|---|---|
| EU - Occupational Exposure Limits | |
| Local name | Cyclohexanone |
| IOELV TWA (mg/m ³) | 40.8 mg/m ³ |
| IOELV TWA (ppm) | 10 ppm |
| IOELV STEL (mg/m ³) | 81.6 mg/m ³ |
| IOELV STEL (ppm) | 20 ppm |
| Notes | Skin |
| Regulatory reference | COMMISSION DIRECTIVE 2000/39/EC |
| USA - ACGIH - Occupational Exposure Limits | |
| Local name | Cyclohexanone |
| ACGIH TWA (ppm) | 20 ppm |
| ACGIH STEL (ppm) | 50 ppm |
| Remark (ACGIH) | TLV® Basis: Eye & URT irr. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans) |
| Regulatory reference | ACGIH 2020 |
| USA - ACGIH - Biological Exposure Indices | |
| Local name | CYCLOHEXANONE |
| Biological Exposure Indices (BEI) | 8 mg/l Parameter: Cyclohexanol (with hydrolysis) - Medium: urine - Sampling time: End of shift - Notations: Ns, Sq 80 mg/l Parameter: 1,2-Cyclohexanediol (with hydrolysis) - Medium: urine - Sampling time: End of shift at end of workweek - Notations: Ns, Sq |
| Regulatory reference | ACGIH 2020 |

| tetrahydrofuran (109-99-9) | |
|---|---|
| EU - Occupational Exposure Limits | |
| Local name | Tetrahydrofuran |
| IOELV TWA (mg/m ³) | 150 mg/m ³ |
| IOELV TWA (ppm) | 50 ppm |
| IOELV STEL (mg/m ³) | 300 mg/m ³ |
| IOELV STEL (ppm) | 100 ppm |
| Notes | Skin |
| Regulatory reference | COMMISSION DIRECTIVE 2000/39/EC |
| USA - ACGIH - Occupational Exposure Limits | |
| Local name | Tetrahydrofuran |
| ACGIH TWA (ppm) | 50 ppm |
| ACGIH STEL (ppm) | 100 ppm |
| Remark (ACGIH) | TLV® Basis: URT irr; CNS impair; kidney dam. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans) |
| Regulatory reference | ACGIH 2020 |

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tetrahydrofuran (109-99-9)

USA - ACGIH - Biological Exposure Indices

| | |
|-----------------------------------|---|
| Local name | TETRAHYDROFURAN |
| Biological Exposure Indices (BEI) | 2 mg/l Parameter: Tetrahydrofuran - Medium: urine - Sampling time: End of shift |
| Regulatory reference | ACGIH 2020 |

butanone; ethyl methyl ketone (78-93-3)

EU - Occupational Exposure Limits

| | |
|---------------------------------|---------------------------------|
| Local name | Butanone |
| IOELV TWA (mg/m ³) | 600 mg/m ³ |
| IOELV TWA (ppm) | 200 ppm |
| IOELV STEL (mg/m ³) | 900 mg/m ³ |
| IOELV STEL (ppm) | 300 ppm |
| Regulatory reference | COMMISSION DIRECTIVE 2000/39/EC |

USA - ACGIH - Occupational Exposure Limits

| | |
|----------------------|---|
| Local name | Methyl ethyl ketone (MEK) |
| ACGIH TWA (ppm) | 200 ppm |
| ACGIH STEL (ppm) | 300 ppm |
| Remark (ACGIH) | TLV® Basis: URT irr; CNS & PNS impair. Notations: BEI |
| Regulatory reference | ACGIH 2020 |

USA - ACGIH - Biological Exposure Indices

| | |
|-----------------------------------|---|
| Local name | METHYL ETHYL KETONE |
| Biological Exposure Indices (BEI) | 2 mg/l Parameter: Methyl ethyl ketone - Medium: urine - Sampling time: End of shift - Notations: Ns |
| Regulatory reference | ACGIH 2020 |

acetone; propan-2-one; propanone (67-64-1)

EU - Occupational Exposure Limits

| | |
|--------------------------------|---------------------------------|
| Local name | Acetone |
| IOELV TWA (mg/m ³) | 1210 mg/m ³ |
| IOELV TWA (ppm) | 500 ppm |
| Regulatory reference | COMMISSION DIRECTIVE 2000/39/EC |

USA - ACGIH - Occupational Exposure Limits

| | |
|----------------------|--|
| Local name | Acetone |
| ACGIH TWA (ppm) | 250 ppm |
| ACGIH STEL (ppm) | 500 ppm |
| Remark (ACGIH) | TLV® Basis: URT & eye irr; CNS impair. Notations: A4 (Not classifiable as a Human Carcinogen); BEI |
| Regulatory reference | ACGIH 2020 |

USA - ACGIH - Biological Exposure Indices

| | |
|-----------------------------------|--|
| Local name | ACETONE |
| Biological Exposure Indices (BEI) | 25 mg/l Parameter: Acetone - Medium: urine - Sampling time: End of shift - Notations: Ns |
| Regulatory reference | ACGIH 2020 |

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8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|---------------------------|
| Physical state | : Liquid |
| Colour | : orange brown. |
| Odour | : Characteristic. |
| Odour threshold | : No data available |
| pH | : Not applicable |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point | : Not applicable |
| Freezing point | : No data available |
| Boiling point | : > 56 °C |
| Flash point | : < 23 °C |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : Not applicable |
| Vapour pressure | : No data available |
| Relative vapour density at 20 °C | : No data available |
| Relative density | : ≈ 0.97 |
| Solubility | : No data available |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Viscosity, kinematic | : > 40 mm ² /s |
| Viscosity, dynamic | : 1400 – 2000 cP |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits | : No data available |

9.2. Other information

No additional information available

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SECTION 10: Stability and reactivity

10.1. Reactivity

Highly flammable liquid and vapour.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

cyclohexanone (108-94-1)

| | |
|-----------------------|---------------|
| LD50 oral rat | ≈ 2650 mg/kg |
| LD50 dermal rabbit | ≈ 3160 mg/kg |
| LC50 Inhalation - Rat | > 6.2 mg/l/4h |

butanone; ethyl methyl ketone (78-93-3)

| | |
|---------------|--------------|
| LD50 oral rat | ≈ 2193 mg/kg |
|---------------|--------------|

acetone; propan-2-one; propanone (67-64-1)

| | |
|-----------------------|--------------|
| LD50 oral rat | ≈ 5800 mg/kg |
| LD50 dermal rabbit | > 7400 mg/kg |
| LC50 Inhalation - Rat | ≈ 76 mg/l/4h |

Skin corrosion/irritation : Not classified
pH: Not applicable
Serious eye damage/irritation : Causes serious eye irritation.
pH: Not applicable
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Suspected of causing cancer.
Reproductive toxicity : Not classified
STOT-single exposure : May cause drowsiness or dizziness.
STOT-repeated exposure : Not classified

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Aspiration hazard : Not classified

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Viscosity, kinematic > 40 mm²/s

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute) : Not classified
Hazardous to the aquatic environment, long-term (chronic) : Harmful to aquatic life with long lasting effects.
Not rapidly degradable

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Additional information : Flammable vapours may accumulate in the container.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

| ADR | IMDG | IATA | ADN | RID |
|---|--|--|--|--|
| 14.1. UN number | | | | |
| UN 1133 | UN 1133 | UN 1133 | UN 1133 | UN 1133 |
| 14.2. UN proper shipping name | | | | |
| ADHESIVES (containing flammable liquid) | ADHESIVES (containing flammable liquid) | Adhesives (containing flammable liquid) | ADHESIVES (containing flammable liquid) | ADHESIVES (containing flammable liquid) |
| Transport document description | | | | |
| UN 1133 ADHESIVES (containing flammable liquid), 3, II, (D/E) | UN 1133 ADHESIVES (containing flammable liquid), 3, II | UN 1133 Adhesives (containing flammable liquid), 3, II | UN 1133 ADHESIVES (containing flammable liquid), 3, II | UN 1133 ADHESIVES (containing flammable liquid), 3, II |

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14.3. Transport hazard class(es)

| | | | | |
|---|---|---|---|---|
| 3 | 3 | 3 | 3 | 3 |
|  |  |  |  |  |

14.4. Packing group

| | | | | |
|----|----|----|----|----|
| II | II | II | II | II |
|----|----|----|----|----|

14.5. Environmental hazards

| | | | | |
|------------------------------------|---|------------------------------------|------------------------------------|------------------------------------|
| Dangerous for the environment : No | Dangerous for the environment : No Marine pollutant : No | Dangerous for the environment : No | Dangerous for the environment : No | Dangerous for the environment : No |
|------------------------------------|---|------------------------------------|------------------------------------|------------------------------------|

No supplementary information available

14.6. Special precautions for user

Overland transport

| | |
|---|---------------------|
| Classification code (ADR) | : F1 |
| Special provisions (ADR) | : 640D |
| Limited quantities (ADR) | : 5I |
| Excepted quantities (ADR) | : E2 |
| Packing instructions (ADR) | : P001, IBC02, R001 |
| Special packing provisions (ADR) | : PP1 |
| Mixed packing provisions (ADR) | : MP19 |
| Portable tank and bulk container instructions (ADR) | : T4 |
| Portable tank and bulk container special provisions (ADR) | : TP1, TP8 |
| Tank code (ADR) | : LGBF |
| Vehicle for tank carriage | : FL |
| Transport category (ADR) | : 2 |
| Special provisions for carriage - Operation (ADR) | : S2, S20 |
| Hazard identification number (Kemler No.) | : 33 |
| Orange plates | : |



| | |
|-------------------------------|--------|
| Tunnel restriction code (ADR) | : D/E |
| EAC code | : •3YE |

Transport by sea

| | |
|------------------------------------|---|
| Limited quantities (IMDG) | : 5 L |
| Excepted quantities (IMDG) | : E2 |
| Packing instructions (IMDG) | : P001 |
| Special packing provisions (IMDG) | : PP1 |
| IBC packing instructions (IMDG) | : IBC02 |
| Tank instructions (IMDG) | : T4 |
| Tank special provisions (IMDG) | : TP1, TP8 |
| EmS-No. (Fire) | : F-E |
| EmS-No. (Spillage) | : S-D |
| Stowage category (IMDG) | : B |
| Properties and observations (IMDG) | : Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility with water depends upon their composition. |

Air transport

| | |
|--|--------|
| PCA Excepted quantities (IATA) | : E2 |
| PCA Limited quantities (IATA) | : Y341 |
| PCA limited quantity max net quantity (IATA) | : 1L |
| PCA packing instructions (IATA) | : 353 |
| PCA max net quantity (IATA) | : 5L |
| CAO packing instructions (IATA) | : 364 |

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| | |
|-----------------------------------|-------------|
| CAO max net quantity (IATA) | : 60L |
| Special provisions (IATA) | : A3 |
| ERG code (IATA) | : 3L |
| Inland waterway transport | |
| Classification code (ADN) | : F1 |
| Special provisions (ADN) | : 640D |
| Limited quantities (ADN) | : 5 L |
| Excepted quantities (ADN) | : E2 |
| Equipment required (ADN) | : PP, EX, A |
| Ventilation (ADN) | : VE01 |
| Number of blue cones/lights (ADN) | : 1 |

Rail transport

| | |
|---|---------------------|
| Classification code (RID) | : F1 |
| Special provisions (RID) | : 640D |
| Limited quantities (RID) | : 5L |
| Excepted quantities (RID) | : E2 |
| Packing instructions (RID) | : P001, IBC02, R001 |
| Special packing provisions (RID) | : PP1 |
| Mixed packing provisions (RID) | : MP19 |
| Portable tank and bulk container instructions (RID) | : T4 |
| Portable tank and bulk container special provisions (RID) | : TP1, TP8 |
| Tank codes for RID tanks (RID) | : LGBF |
| Transport category (RID) | : 2 |
| Colis express (express parcels) (RID) | : CE7 |
| Hazard identification number (RID) | : 33 |

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations

Germany

Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG)
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG)

Water hazard class (WGK) : WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

Netherlands

ABM category : A(3) - hazardous for aquatic organisms, may have longterm hazardous effects in aquatic environment

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

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Denmark

| | |
|-----------------------------|--|
| Class for fire hazard | : Class II-1 |
| Store unit | : 5 liter |
| Classification remarks | : R10 <H225;H319;H336;H351;H412>; Emergency management guidelines for the storage of flammable liquids must be followed |
| Danish National Regulations | : Young people below the age of 18 years are not allowed to use the product Pregnant/breastfeeding women working with the product must not be in direct contact with the product The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal |

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

| Abbreviations and acronyms: | |
|-----------------------------|---|
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| ATE | Acute Toxicity Estimate |
| BLV | Biological limit value |
| CAS-No. | Chemical Abstract Service number |
| CLP | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 |
| DMEL | Derived Minimal Effect level |
| DNEL | Derived-No Effect Level |
| EC50 | Median effective concentration |
| EC-No. | European Community number |
| EN | European Standard |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| LC50 | Median lethal concentration |
| LD50 | Median lethal dose |
| LOAEL | Lowest Observed Adverse Effect Level |
| NOAEC | No-Observed Adverse Effect Concentration |
| NOAEL | No-Observed Adverse Effect Level |
| NOEC | No-Observed Effect Concentration |
| OEL | Occupational Exposure Limit |
| PBT | Persistent Bioaccumulative Toxic |
| PNEC | Predicted No-Effect Concentration |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS | Safety Data Sheet |
| vPvB | Very Persistent and Very Bioaccumulative |
| WGK | Water Hazard Class |

VT-320 cPVC Solvent Cement

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

| Full text of H- and EUH-statements: | |
|-------------------------------------|--|
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhal.), Category 4 |
| Aquatic Acute 1 | Hazardous to the aquatic environment — Acute Hazard, Category 1 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment — Chronic Hazard, Category 1 |
| Carc. 2 | Carcinogenicity, Category 2 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Liq. 2 | Flammable liquids, Category 2 |
| Flam. Liq. 3 | Flammable liquids, Category 3 |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Narcosis |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |
| H225 | Highly flammable liquid and vapour. |
| H226 | Flammable liquid and vapour. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H351 | Suspected of causing cancer. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.