



## Safety Data Sheet according to (EC) No 1907/2006 as amended

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LOCTITE FREKOTE 770NC

SDS No. : 153835  
V005.0

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

#### 1.1. Product identifier

LOCTITE FREKOTE 770NC

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

Intended use:  
Mold Release

#### 1.3. Details of the supplier of the safety data sheet

Henkel AG & Co. KGaA  
Henkelstr. 67  
40589 Düsseldorf

Germany

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SDSinfo.Adhesive@henkel.com

For Safety Data Sheet updates please visit our website <https://mysds.henkel.com/index.html#/appSelection> or [www.henkel-adhesives.com](http://www.henkel-adhesives.com).

#### 1.4. Emergency telephone number

The Henkel information service also provides an around-the-clock telephone service on phone no.+49-(0)211-797-3350 for exceptional cases.

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (CLP):

|   |            |
|---|------------|
| Flammable liquids                                     | Category 2 |
| H225 Highly flammable liquid and vapour.              |            |
| Skin irritation                                       | Category 2 |
| H315 Causes skin irritation.                          |            |
| Serious eye irritation                                | Category 2 |
| H319 Causes serious eye irritation.                   |            |
| Skin sensitizer                                       | Category 1 |
| H317 May cause an allergic skin reaction.             |            |
| Specific target organ toxicity - single exposure      | Category 3 |
| H336 May cause drowsiness or dizziness.               |            |
| Target organ: Central nervous system                  |            |
| Aspiration hazard                                     | Category 1 |
| H304 May be fatal if swallowed and enters airways.    |            |
| Chronic hazards to the aquatic environment            | Category 2 |
| H411 Toxic to aquatic life with long lasting effects. |            |

#### 2.2. Label elements

##### Label elements (CLP):

**Hazard pictogram:**



**Contains**

Hydrocarbons, C7-C9, isoalkanes

PDMS Polymer

**Signal word:**

Danger

**Hazard statement:**

H225 Highly flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
H411 Toxic to aquatic life with long lasting effects.

**Precautionary statement:  
Prevention**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P261 Avoid breathing vapors.  
P273 Avoid release to the environment.  
P280 Wear protective gloves.

**Precautionary statement:  
Response**

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/...  
P331 Do NOT induce vomiting.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P337+P313 If eye irritation persists: Get medical advice/attention.

**Precautionary statement:  
Storage**

P403+P235 Store in a well-ventilated place. Keep cool.

**2.3. Other hazards**

None if used properly.

**Following substances are present in a concentration  $\geq$  the concentration limit for depiction in Section 3 and fulfill the criteria for PBT/vPvB, or were identified as endocrine disruptor (ED):**

This mixture does not contain any substances in a concentration  $\geq$  the concentration limit for depiction in Section 3 that are assessed to be a PBT, vPvB or ED.

**SECTION 3: Composition/information on ingredients**

**3.2. Mixtures**

**Declaration of the ingredients according to CLP (EC) No 1272/2008:**

| Hazardous components<br>CAS-No.<br>EC Number<br>REACH-Reg No.       | Concentration | Classification  | Specific Conc. Limits, M-factors and ATEs | Add. Information |
|---|---------------|---|---|------------------|
| Hydrocarbons, C7-C9, isoalkanes<br>-----<br>01-2119471305-42        | 50- 100 %     | Flam. Liq. 2, H225<br>Aquatic Chronic 2, H411<br>Asp. Tox. 1, H304<br>Skin Irrit. 2, H315<br>STOT SE 3, Inhalation, H336  |   |                  |
| PDMS Polymer<br>1432471-92-5  | 1 - < 3 %     | Flam. Liq. 1, H224<br>Pyr. Liq. 1, H250<br>Water-react. 1, H260<br>Acute Tox. 4, Inhalation, H332<br>STOT SE 3, H335<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317 |   |                  |
| 2,2,4-trimethylpentane<br>540-84-1<br>208-759-1<br>01-2119457965-22 | 0,1- < 1 %    | Flam. Liq. 2, H225<br>Asp. Tox. 1, H304<br>STOT SE 3, H336<br>Aquatic Acute 1, H400<br>Skin Irrit. 2, H315<br>Aquatic Chronic 1, H410   | M acute = 1<br>M chronic = 1              |                  |

If no ATE values are displayed, please refer to LD/LC50 values in Section 11.  
For full text of the H - statements and other abbreviations see section 16 "Other information".

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**Inhalation:**

Move to fresh air. If symptoms persist, seek medical advice.

**Skin contact:**

Rinse with running water and soap.  
Obtain medical attention if irritation persists.

**Eye contact:**

Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

**Ingestion:**

Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.  
After ingestion or vomit: danger of product entering the lung.

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

SKIN: Rash, Urticaria.

SKIN: Redness, inflammation.

EYE: Irritation, conjunctivitis.

ASPIRATION: Coughing, shortness of breath, nausea. Delayed effect: bronchopneumonia or pulmonary oedema

Vapors may cause drowsiness and dizziness.

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

Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause bronchopneumonia or pulmonary oedema.

Do not induce vomiting.

Seek medical attention from a specialist.

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

##### **Suitable extinguishing media:**

water, carbon dioxide, foam, powder

##### **Extinguishing media which must not be used for safety reasons:**

High pressure waterjet

#### **5.2. Special hazards arising from the substance or mixture**

In the event of a fire, carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>) can be released.

Silicon dioxide

#### **5.3. Advice for firefighters**

Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

##### **Additional information:**

In case of fire, keep containers cool with water spray.

### **SECTION 6: Accidental release measures**

#### **6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin and eyes.

Wear protective equipment.

Ensure adequate ventilation.

Keep away from sources of ignition.

#### **6.2. Environmental precautions**

Do not empty into drains / surface water / ground water.

#### **6.3. Methods and material for containment and cleaning up**

Dispose of contaminated material as waste according to Section 13.

For small spills wipe up with paper towel and place in container for disposal.

For large spills absorb onto inert absorbent material and place in sealed container for disposal.

#### **6.4. Reference to other sections**

See advice in section 8

### **SECTION 7: Handling and storage**

#### **7.1. Precautions for safe handling**

Avoid skin and eye contact.

See advice in section 8

##### **Hygiene measures:**

Good industrial hygiene practices should be observed.

Do not eat, drink or smoke while working.

Wash hands before work breaks and after finishing work.

#### **7.2. Conditions for safe storage, including any incompatibilities**

Refer to Technical Data Sheet.

#### **7.3. Specific end use(s)**

Mold Release

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Occupational Exposure Limits**

Valid for  
Germany

| Ingredient [Regulated substance]   | ppm | mg/m <sup>3</sup> | Value type                          | Short term exposure limit category / Remarks      | Regulatory list |
|------------------------------------|-----|-------------------|-------------------------------------|---|-----------------|
| 2,2,4-Trimethylpentane<br>540-84-1 |     | 1.500             | Exposure limit(s):                  | 2   | TRGS 900        |
| 2,2,4-Trimethylpentane<br>540-84-1 |     |                   | Short Term Exposure Classification: | Category II: substances with a resorptive effect. | TRGS 900        |
| 2,2,4-Trimethylpentane<br>540-84-1 |     | 600               | Exposure limit(s):                  | 2   | TRGS 900        |
| 2,2,4-Trimethylpentane<br>540-84-1 |     |                   | Short Term Exposure Classification: | Category II: substances with a resorptive effect. | TRGS 900        |

**Derived No-Effect Level (DNEL):**

| Name on list                             | Application Area   | Route of Exposure | Health Effect                         | Exposure Time | Value                  | Remarks |
|--|--------------------|-------------------|---------------------------------------|---------------|------------------------|---------|
| Hydrocarbons, C7-C9, isoalkanes<br>----- | Workers            | inhalation        | Long term exposure - systemic effects |               | 2035 mg/m <sup>3</sup> |         |
| Hydrocarbons, C7-C9, isoalkanes<br>----- | Workers            | dermal            | Long term exposure - systemic effects |               | 773 mg/kg              |         |
| Hydrocarbons, C7-C9, isoalkanes<br>----- | General population | inhalation        | Long term exposure - systemic effects |               | 608 mg/m <sup>3</sup>  |         |
| Hydrocarbons, C7-C9, isoalkanes<br>----- | General population | dermal            | Long term exposure - systemic effects |               | 699 mg/kg              |         |
| Hydrocarbons, C7-C9, isoalkanes<br>----- | General population | oral              | Long term exposure - systemic effects |               | 699 mg/kg              |         |

**Biological Exposure Indices:**

None

**8.2. Exposure controls:**

Engineering controls:  
Ensure good ventilation/extraction.

Respiratory protection:  
Ensure adequate ventilation.

An approved mask or respirator fitted with an organic vapour cartridge should be worn if the product is used in a poorly ventilated area

Filter type: A (EN 14387)

**Hand protection:**

Chemical-resistant protective gloves (EN 374).

Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374):

nitrile rubber (NBR;  $\geq 0.4$  mm thickness)

Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374):

nitrile rubber (NBR;  $\geq 0.4$  mm thickness)

This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

**Eye protection:**

Safety glasses with sideshields or chemical safety goggles should be worn if there is a risk of splashing.

Protective eye equipment should conform to EN166.

**Skin protection:**

Wear suitable protective clothing.

Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

**Advices to personal protection equipment:**

The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions. Personal protective equipment should conform to the relevant EN standard.

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

|   |   |
|---|---|
| Delivery form   | liquid  |
| Colour  | colourless  |
| Odor  | mild  |
| Physical state  | liquid  |
| Melting point   | Not applicable, Product is a liquid   |
| Initial boiling point<br>(1.013 hPa)                        | > 112 °C (> 233.6 °F)   |
| Flammability  | flammable   |
| Explosive limits  |   |
| lower   | 0,7 % (V); No data available.   |
| upper   | 6,0 % (V); No data available.<br>Upper/lower explosion limit The product is not explosive. The formation of explosive vapor/air mixtures is possible. |
| Explosive limits  |   |
| lower   | 0,9 % (V);  |
| upper   | 6,2 % (V);<br>Upper/lower explosion limit (value for solvent)   |
| Flash point   | 7 °C (44.6 °F); Tagliabue closed cup  |
| Auto-ignition temperature                                   | > 382 °C (> 719.6 °F)   |
| Decomposition temperature                                   | Not applicable, Substance/mixture is not self-reactive, no organic peroxide and does not decompose under foreseen conditions of use                   |
| pH  | Not applicable, Product is non-polar/aprotic.   |
| Viscosity (kinematic)<br>(40 °C (104 °F); )                 | 0,72 mm <sup>2</sup> /s   |
| Solubility (qualitative)<br>(20 °C (68 °F); Solvent: Water) | Negligible  |
| Solubility (qualitative)<br>(Solvent: organic solvent)      | Soluble   |
| Partition coefficient: n-octanol/water                      | Not applicable  |
| Vapour pressure<br>(20 °C (68 °F))                          | Mixture<br>173 mbar   |
| Density<br>(20 °C (68 °F))                                  | 0,72 g/cm <sup>3</sup> no method / method unknown   |
| Relative vapour density:                                    | 3,9   |

(20 °C)  
Particle characteristics

Approximately, (Air = 1)  
Not applicable  
Product is a liquid

**9.2. Other information**

Other information not applicable for this product

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

Water  
Reacts with strong oxidants.

**10.2. Chemical stability**

Stable under recommended storage conditions.

**10.3. Possibility of hazardous reactions**

See section reactivity

**10.4. Conditions to avoid**

Stable under normal conditions of storage and use.

**10.5. Incompatible materials**

See section reactivity.

**SECTION 11: Toxicological information**

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

**Acute oral toxicity:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.             | Value<br>type | Value         | Species | Method  |
|---|---------------|---------------|---------|---|
| Hydrocarbons, C7-C9,<br>isoalkanes<br>----- | LD50          | > 7.100 mg/kg | rat     | equivalent or similar to OECD Guideline 401 (Acute Oral Toxicity) |
| 2,2,4-trimethylpentane<br>540-84-1          | LD50          | > 5.000 mg/kg | rat     | equivalent or similar to OECD Guideline 401 (Acute Oral Toxicity) |

**Acute dermal toxicity:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.             | Value<br>type | Value         | Species | Method  |
|---|---------------|---------------|---------|---|
| Hydrocarbons, C7-C9,<br>isoalkanes<br>----- | LD50          | > 2.200 mg/kg | rabbit  | not specified   |
| 2,2,4-trimethylpentane<br>540-84-1          | LD50          | > 2.000 mg/kg | rabbit  | equivalent or similar to OECD Guideline 402 (Acute Dermal Toxicity) |

**Acute inhalative toxicity:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.             | Value<br>type | Value        | Test atmosphere | Exposure<br>time | Species | Method  |
|---|---------------|--------------|-----------------|------------------|---------|---|
| Hydrocarbons, C7-C9,<br>isoalkanes<br>----- | LC50          | > 9,4 mg/l   | dust/mist       | 4 h              | rat     | OECD Guideline 403 (Acute<br>Inhalation Toxicity)                             |
| 2,2,4-trimethylpentane<br>540-84-1          | LC50          | > 33,52 mg/l | vapour          | 4 h              | rat     | equivalent or similar to OECD<br>Guideline 403 (Acute<br>Inhalation Toxicity) |

**Skin corrosion/irritation:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.             | Result     | Exposure<br>time | Species | Method   |
|---|------------|------------------|---------|--|
| Hydrocarbons, C7-C9,<br>isoalkanes<br>----- | irritating | 4 h              | rabbit  | OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |

**Serious eye damage/irritation:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.             | Result         | Exposure<br>time | Species | Method                                    |
|---|----------------|------------------|---------|---|
| Hydrocarbons, C7-C9,<br>isoalkanes<br>----- | not irritating |                  | rabbit  | EPA OPPTS 870.2400 (Acute Eye Irritation) |

**Respiratory or skin sensitization:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.             | Result          | Test type                       | Species    | Method  |
|---|-----------------|---------------------------------|------------|---|
| Hydrocarbons, C7-C9,<br>isoalkanes<br>----- | not sensitising | Guinea pig maximisation<br>test | guinea pig | equivalent or similar to OECD Guideline<br>406 (Skin Sensitisation) |

**Germ cell mutagenicity:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.             | Result   | Type of study /<br>Route of<br>administration          | Metabolic<br>activation /<br>Exposure time | Species | Method   |
|---|----------|--|--|---------|--|
| Hydrocarbons, C7-C9,<br>isoalkanes<br>----- | negative | bacterial reverse<br>mutation assay (e.g<br>Ames test) | with and without                           |         | equivalent or similar to OECD<br>Guideline 471 (Bacterial<br>Reverse Mutation Assay)                 |
| Hydrocarbons, C7-C9,<br>isoalkanes<br>----- | negative | in vitro mammalian<br>chromosome<br>aberration test    | without                                    |         | equivalent or similar to OECD<br>Guideline 473 (In vitro<br>Mammalian Chromosome<br>Aberration Test) |
| Hydrocarbons, C7-C9,<br>isoalkanes<br>----- | negative | mammalian cell<br>gene mutation assay                  | with and without                           |         | OECD Guideline 476 (In vitro<br>Mammalian Cell Gene<br>Mutation Test)                                |

**Carcinogenicity**

No data available.



**Reproductive toxicity:**

No data available.

**STOT-single exposure:**

No data available.

**STOT-repeated exposure:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.             | Result / Value | Route of<br>application | Exposure time /<br>Frequency of<br>treatment | Species | Method  |
|---|----------------|-------------------------|--|---------|---|
| Hydrocarbons, C7-C9,<br>isoalkanes<br>----- |                | inhalation:<br>vapour   | 12 weeks<br>6 hours/day, 5<br>days/week      | rat     | equivalent or similar to<br>OECD Guideline 413<br>(Subchronic Inhalation<br>Toxicity: 90-Day) |

**Aspiration hazard:**

The mixture is classified based on Viscosity data.

| Hazardous substances<br>CAS-No.             | Viscosity (kinematic)<br>Value | Temperature | Method        | Remarks |
|---|--------------------------------|-------------|---------------|---------|
| Hydrocarbons, C7-C9,<br>isoalkanes<br>----- | 0,72 mm <sup>2</sup> /s        | 40 °C       | not specified |         |

**11.2 Information on other hazards**

not applicable

**SECTION 12: Ecological information****General ecological information:**

Do not empty into drains / surface water / ground water.

**12.1. Toxicity****Toxicity (Fish):**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.             | Value<br>type | Value     | Exposure time | Species  | Method  |
|---|---------------|-----------|---------------|--|---|
| Hydrocarbons, C7-C9,<br>isoalkanes<br>----- | LC50          | 18,4 mg/l | 96 h          | Oncorhynchus mykiss                                | OECD Guideline 203 (Fish,<br>Acute Toxicity Test) |
| 2,2,4-trimethylpentane<br>540-84-1          | LC50          | 0,11 mg/l | 96 h          | Salmo gairdneri (new name:<br>Oncorhynchus mykiss) | OECD Guideline 203 (Fish,<br>Acute Toxicity Test) |

**Toxicity (aquatic invertebrates):**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.             | Value<br>type | Value    | Exposure time | Species       | Method           |
|---|---------------|----------|---------------|---------------|------------------|
| Hydrocarbons, C7-C9,<br>isoalkanes<br>----- | EL50          | 2,4 mg/l | 48 h          | Daphnia magna | other guideline: |
| 2,2,4-trimethylpentane<br>540-84-1          | EC50          | 0,4 mg/l | 48 h          | Daphnia magna | other guideline: |

**Chronic toxicity (aquatic invertebrates):**

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.             | Value<br>type | Value     | Exposure time | Species       | Method   |
|---|---------------|-----------|---------------|---------------|--|
| Hydrocarbons, C7-C9,<br>isoalkanes<br>----- | NOEC          | 0,17 mg/l | 21 d          | Daphnia magna | OECD 211 (Daphnia<br>magna, Reproduction Test) |
| 2,2,4-trimethylpentane<br>540-84-1          | NOEC          | 0,17 mg/l | 21 d          | Daphnia magna | OECD 211 (Daphnia<br>magna, Reproduction Test) |

**Toxicity (Algae):**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.             | Value<br>type | Value        | Exposure time | Species                         | Method   |
|---|---------------|--------------|---------------|---------------------------------|--|
| Hydrocarbons, C7-C9,<br>isoalkanes<br>----- | EL50          | 10 - 30 mg/l | 72 h          | Pseudokirchneriella subcapitata | OECD Guideline 201 (Alga,<br>Growth Inhibition Test) |
| Hydrocarbons, C7-C9,<br>isoalkanes<br>----- | NOELR         | 10 mg/l      | 72 h          | Pseudokirchneriella subcapitata | OECD Guideline 201 (Alga,<br>Growth Inhibition Test) |

#### Toxicity (microorganisms):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.    | Value<br>type | Value       | Exposure time | Species       | Method        |
|------------------------------------|---------------|-------------|---------------|---------------|---------------|
| 2,2,4-trimethylpentane<br>540-84-1 | EC0           | 10.000 mg/l |               | not specified | not specified |

#### 12.2. Persistence and degradability

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.             | Result                     | Test type | Degradability | Exposure<br>time | Method  |
|---|----------------------------|-----------|---------------|------------------|---|
| Hydrocarbons, C7-C9,<br>isoalkanes<br>----- | inherently biodegradable   | aerobic   | 22,4 %        | 28 d             | OECD Guideline 301 F (Ready<br>Biodegradability: Manometric<br>Respirometry Test) |
| 2,2,4-trimethylpentane<br>540-84-1          | not readily biodegradable. | aerobic   | > 0 - 60 %    |                  | OECD 301 A - F  |

#### 12.3. Bioaccumulative potential

No data available.

**12.4. Mobility in soil**

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.    | LogPow | Temperature | Method        |
|------------------------------------|--------|-------------|---------------|
| 2,2,4-trimethylpentane<br>540-84-1 | 4,5    |             | not specified |

**12.5. Results of PBT and vPvB assessment**

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.    | PBT / vPvB  |
|------------------------------------|---|
| 2,2,4-trimethylpentane<br>540-84-1 | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |

**12.6. Endocrine disrupting properties**

not applicable

**12.7. Other adverse effects**

No data available.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

Product disposal:

Do not empty into drains / surface water / ground water.

Dispose of in accordance with local and national regulations.

Disposal of uncleaned packages:

After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorised legal land fill site or incinerated.

Waste code

08 04 09\* waste adhesives and sealants containing organic solvents and other dangerous substances

The valid EWC waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users. We will be happy to advise you.

## SECTION 14: Transport information

**14.1. UN number or ID number**

|      |      |
|------|------|
| ADR  | 1866 |
| RID  | 1866 |
| ADN  | 1866 |
| IMDG | 1866 |
| IATA | 1866 |

**14.2. UN proper shipping name**

|      |                                     |
|------|-------------------------------------|
| ADR  | RESIN SOLUTION                      |
| RID  | RESIN SOLUTION                      |
| ADN  | RESIN SOLUTION                      |
| IMDG | RESIN SOLUTION (Isoalkane C7 - C10) |
| IATA | Resin solution                      |

**14.3. Transport hazard class(es)**

|      |   |
|------|---|
| ADR  | 3 |
| RID  | 3 |
| ADN  | 3 |
| IMDG | 3 |
| IATA | 3 |

**14.4. Packing group**

|      |    |
|------|----|
| ADR  | II |
| RID  | II |
| ADN  | II |
| IMDG | II |
| IATA | II |

**14.5. Environmental hazards**

|      |                           |
|------|---------------------------|
| ADR  | Environmentally Hazardous |
| RID  | Environmentally Hazardous |
| ADN  | Environmentally Hazardous |
| IMDG | Marine Pollutant          |
| IATA | not applicable            |

**14.6. Special precautions for user**

|      |   |
|------|---|
| ADR  | Special provision 640D<br>Tunnelcode: (D/E) |
| RID  | Special provision 640D                      |
| ADN  | Special provision 640D                      |
| IMDG | not applicable                              |
| IATA | not applicable                              |

**14.7. Maritime transport in bulk according to IMO instruments**

not applicable

## SECTION 15: Regulatory information

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

|   |                |
|---|----------------|
| Ozone Depleting Substance (ODS) (Regulation (EC) No 1005/2009): | Not applicable |
| Prior Informed Consent (PIC) (Regulation (EU) No 649/2012):     | Not applicable |
| Persistent organic pollutants (Regulation (EU) 2019/1021):      | Not applicable |

VOC content 98,5 %  
(2010/75/EC)

**15.2. Chemical safety assessment**

A chemical safety assessment has not been carried out.

**National regulations/information (Germany):**

WGK: WGK 2: significantly water endangering (Ordinance on facilities for handling substances that are hazardous to water (AwSV) )  
Classification according to AwSV, Annex 1 (5.2)

Storage class according to TRGS 510: 3

## SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

H224 Extremely flammable liquid and vapour.  
 H225 Highly flammable liquid and vapour.  
 H250 Catches fire spontaneously if exposed to air.  
 H260 In contact with water releases flammable gases which may ignite spontaneously.  
 H304 May be fatal if swallowed and enters airways.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H318 Causes serious eye damage.  
 H332 Harmful if inhaled.  
 H335 May cause respiratory irritation.  
 H336 May cause drowsiness or dizziness.  
 H400 Very toxic to aquatic life.  
 H410 Very toxic to aquatic life with long lasting effects.  
 H411 Toxic to aquatic life with long lasting effects.

|             |   |
|-------------|---|
| ED:         | Substance identified as having endocrine disrupting properties  |
| EU OEL:     | Substance with a Union workplace exposure limit   |
| EU EXPLD 1: | Substance listed in Annex I, Reg (EC) No. 2019/1148   |
| EU EXPLD 2: | Substance listed in Annex II, Reg (EC) No. 2019/1148  |
| SVHC:       | Substance of very high concern (REACH Candidate List)   |
| PBT:        | Substance fulfilling persistent, bioaccumulative and toxic criteria   |
| PBT/vPvB:   | Substance fulfilling persistent, bioaccumulative and toxic plus very persistent and very bioaccumulative criteria |
| vPvB:       | Substance fulfilling very persistent and very bioaccumulative criteria  |

### Further information:

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This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

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