

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

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LOCTITE MR 5923 known as Loctite 5923

SDS No. : 153785 V002.13 Revision: 03.07.2024 printing date: 24.04.2025 Replaces version from: 24.08.2023

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

1.1. Product identifier

LOCTITE MR 5923 known as Loctite 5923 UFI: UD1F-D0QS-9003-3H08

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

Sealant

1.3. Details of the supplier of the safety data sheet

Henkel Ltd Adhesives Wood Lane End HP2 4RQ Hemel Hempstead

Great Britain

Phone: +44 (1442) 278000

SDSinfo.Adhesive@henkel.com For Safety Data Sheet updates please visit our website www.mysds.henkel.com or www.henkel-adhesives.com.

1.4. Emergency telephone number

24 Hours Emergency Tel: +44 (0)1442 278497

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (CLP):

| Flammable liquids | Category 2 |
|--|------------|
| H225 Highly flammable liquid and vapour. | |
| 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 | |

2.2. Label elements

Label elements (CLP):

| Hazard pictogram: | |
|--|---|
| Contains | rosin |
| | Propan-2-ol |
| Signal word: | Danger |
| Hazard statement: | H225 Highly flammable liquid and vapour. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. |
| Precautionary statement: Prevention | P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.No smoking.P261 Avoid breathing vapors.P280 Wear protective gloves. |
| Precautionary statement: Response | P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention. |

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 CAS-No. EC Number REACH-Reg No. | Concentration | Classification | Specific Conc. Limits, M- factors and ATEs | Add. Information |
|---|---------------|---|---|---------------------|
| rosin 8050-09-7 232-475-7 01-2119480418-32 | 20- 40 % | Skin Sens. 1, H317 | | |
| Propan-2-ol 67-63-0 200-661-7 01-2119457558-25 | 20- 40 % | Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 | | |

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.

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

SKIN: Rash, Urticaria.

EYE: Irritation, conjunctivitis.

Vapors may cause drowsiness and dizziness.

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

See section: Description of first aid measures

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Foam, extinguishing powder, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

High pressure waterjet

5.2. Special hazards arising from the substance or mixture

Vapours may accumulate in low or confined areas, travel considerable distance to source of ignition, and flash back. Formation of toxic gases is possible during heating or in fires.

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

Keep away from sources of ignition - no smoking. Vapours should be extracted to avoid inhalation. Use only in well-ventilated areas. 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

Store in a cool, dry place. Do not store near sources of heat or ignition, or reactive materials. Refer to Technical Data Sheet.

7.3. Specific end use(s) Sealant

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure Limits

Valid for

Great Britain

| Ingredient [Regulated substance] | ррт | mg/m ³ | Value type | Short term exposure limit category / Remarks | Regulatory list |
|--|-----|-------------------|--------------------------------------|--|-----------------|
| Rosin 8050-09-7 [ROSIN-BASED SOLDER FLUX FUME] | | 0,05 | Time Weighted Average (TWA): | | EH40 WEL |
| Rosin 8050-09-7 [ROSIN-BASED SOLDER FLUX FUME] | | 0,15 | Short Term Exposure Limit (STEL): | 15 minutes | EH40 WEL |
| Propan-2-ol 67-63-0 [PROPAN-2-OL] | 400 | 999 | Time Weighted Average (TWA): | | EH40 WEL |
| Propan-2-ol 67-63-0 [PROPAN-2-OL] | 500 | 1.250 | Short Term Exposure Limit (STEL): | 15 minutes | EH40 WEL |
| Talc (Mg3H2(SiO3)4) 14807-96-6 [TALC, RESPIRABLE DUST] | | 1 | Time Weighted Average (TWA): | | EH40 WEL |

Occupational Exposure Limits

Valid for

Ireland

| Ingredient [Regulated substance] | ppm | mg/m ³ | Value type | Short term exposure limit category / Remarks | Regulatory list |
|---|-----|-------------------|--------------------------------------|---|-----------------|
| Rosin 8050-09-7 [ROSIN CORE SOLDER PYROLYSIS PRODUCTS] | | 0,05 | Time Weighted Average (TWA): | | IR_OEL |
| Rosin 8050-09-7 [ROSIN CORE SOLDER PYROLYSIS PRODUCTS] | | 0,15 | Short Term Exposure Limit (STEL): | 15 minutes | IR_OEL |
| Propan-2-ol 67-63-0 [ISOPROPYL ALCOHOL] | 200 | | Time Weighted Average (TWA): | | IR_OEL |
| Propan-2-ol 67-63-0 [ISOPROPYL ALCOHOL] | | | Skin designation: | Can be absorbed through the skin. | IR_OEL |
| Propan-2-ol 67-63-0 [ISOPROPYL ALCOHOL] | 400 | | Short Term Exposure Limit (STEL): | 15 minutes | IR_OEL |
| Talc (Mg3H2(SiO3)4) 14807-96-6 [TALC] | | 10 | Time Weighted Average (TWA): | | IR_OEL |
| Talc (Mg3H2(SiO3)4) 14807-96-6 [TALC] | | 0,8 | Time Weighted Average (TWA): | | IR_OEL |

Predicted No-Effect Concentration (PNEC):

| Name on list | Environmental | | Value | Remarks | | | |
|--------------|-----------------|--------|------------|---------|-----------|--------|---|
| | Compartment | period | | T | | | |
| | | | mg/l | ppm | mg/kg | others | |
| rosin | aqua | | 0,002 mg/l | | | | |
| 8050-09-7 | (freshwater) | | 0.0000 | | | | |
| rosin | aqua (marine | | 0,0002 | | | | |
| 8050-09-7 | water) | l | mg/l | | | - | |
| rosin | sediment | | | | 0,007 | | |
| 8050-09-7 | (freshwater) | | | | mg/kg | | |
| rosin | sediment | | | | 0,001 | | |
| 8050-09-7 | (marine water) | | | | mg/kg | | |
| rosin | Soil | | | | 0 mg/kg | | |
| 8050-09-7 | | | | | | | |
| rosin | sewage | | 1000 mg/l | | | | |
| 8050-09-7 | treatment plant | | | | | | |
| | (STP) | | | | | | |
| rosin | aqua | | 0,016 mg/l | | | | |
| 8050-09-7 | (intermittent | | | | | | |
| | releases) | | | | | | |
| Propan-2-ol | aqua | | 140,9 mg/l | | | | |
| 67-63-0 | (freshwater) | | | | | | |
| Propan-2-ol | aqua (marine | | 140,9 mg/l | | | | |
| 67-63-0 | water) | | , 0 | | | | |
| Propan-2-ol | sediment | | | | 552 mg/kg | | |
| 67-63-0 | (freshwater) | | | | 00 | | |
| Propan-2-ol | sediment | | | | 552 mg/kg | | |
| 67-63-0 | (marine water) | | | | 00 | | |
| Propan-2-ol | Soil | | | | 28 mg/kg | | |
| 67-63-0 | | | | | - 0 0 | | |
| Propan-2-ol | aqua | 1 | 140,9 mg/l | 1 | | | |
| 67-63-0 | (intermittent | | | | | | |
| 07 00 0 | releases) | | | | | | |
| Propan-2-ol | sewage | 1 | 2251 mg/l | 1 | | | |
| 67-63-0 | treatment plant | | 2251 mg/1 | | | | |
| 0, 00 0 | (STP) | | | | | | |
| Propan-2-ol | oral | ł | 1 | | 160 mg/kg | 1 | |
| 67-63-0 | 01al | | | | 100 mg/Kg | | |
| 07 05 0 | I | L | 1 | 1 | | 1 | 1 |

Derived No-Effect Level (DNEL):

| Name on list | Application Area | Route of Exposure | Health Effect | Exposure Time | Value | Remarks |
|------------------------|---------------------|----------------------|---|------------------|-------------|---------|
| rosin 8050-09-7 | Workers | inhalation | Long term exposure - local effects | | 10 mg/m3 | |
| rosin 8050-09-7 | Workers | dermal | Long term exposure - systemic effects | | 2,131 mg/kg | |
| rosin 8050-09-7 | General population | dermal | Long term exposure - systemic effects | | 1,065 mg/kg | |
| rosin 8050-09-7 | General population | oral | Long term exposure - systemic effects | | 1,065 mg/kg | |
| Propan-2-ol 67-63-0 | Workers | dermal | Long term exposure - systemic effects | | 888 mg/kg | |
| Propan-2-ol 67-63-0 | Workers | inhalation | Long term exposure - systemic effects | | 500 mg/m3 | |
| Propan-2-ol 67-63-0 | General population | dermal | Long term exposure - systemic effects | | 319 mg/kg | |
| Propan-2-ol 67-63-0 | General population | inhalation | Long term exposure - systemic effects | | 89 mg/m3 | |
| Propan-2-ol 67-63-0 | General population | oral | Long term exposure - systemic effects | | 26 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; >= 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; >= 0.4 mm thickness) This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy

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 | brown |
| Odor | Alcoholic |
| Physical state | liquid |
| Melting point | Not applicable, Product is a liquid |
| Initial boiling point | > 82 °C (> 179.6 °F)None |
| Flammability | Currently under determination |
| Explosive limits | Currently under determination |
| Flash point | 15 °C (59 °F); None |
| Auto-ignition temperature | Currently under determination |
| 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-soluble (in water). |
| Viscosity (kinematic) | Currently under determination |
| Solubility (qualitative) | Partially soluble |
| (20 °C (68 °F); Solvent: Water) | |
| Partition coefficient: n-octanol/water | Not applicable |
| | Mixture |
| Vapour pressure | 33 mm hg |
| (20 °C (68 °F)) | C |
| Density | 1,1 g/cm3 None |
| (20 °C (68 °F)) | |
| Relative vapour density: | 2,07 |
| (20 °C) | (Air = 1) |
| Particle characteristics | 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

Strong oxidizing agents.

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. Heat, flames, sparks and other sources of ignition.

10.5. Incompatible materials See section reactivity.

10.6. Hazardous decomposition products carbon oxides. aldehydes

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 CAS-No. | Value type | Value | Species | Method |
|---------------------------------|---------------|-------------|---------|---|
| rosin 8050-09-7 | LD50 | 2.800 mg/kg | rat | not specified |
| Propan-2-ol 67-63-0 | LD50 | 5.840 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 CAS-No. | Value type | Value | Species | Method |
|---------------------------------|---------------|---------------|---------|--|
| rosin 8050-09-7 | LD50 | > 2.000 mg/kg | rat | OECD Guideline 402 (Acute Dermal Toxicity) |
| Propan-2-ol 67-63-0 | LD50 | 12.870 mg/kg | rabbit | OECD Guideline 402 (Acute Dermal Toxicity) |

Acute inhalative toxicity:

No data available.

Skin corrosion/irritation:

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

| Hazardous substances | Result | Exposure | Species | Method |
|----------------------|----------------|----------|---------|--|
| CAS-No. | | time | | |
| rosin | not irritating | 4 h | rabbit | OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |
| 8050-09-7 | Ū. | | | |
| Propan-2-ol | slightly | 4 h | rabbit | OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |
| 67-63-0 | irritating | | | |

Serious eye damage/irritation:

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

| Hazardous substances CAS-No. | Result | Exposure time | Species | Method |
|---------------------------------|----------------|------------------|---------|--|
| rosin 8050-09-7 | not irritating | | rabbit | OECD Guideline 405 (Acute Eye Irritation / Corrosion) |
| Propan-2-ol 67-63-0 | Category II | | rabbit | equivalent or similar to OECD Guideline 405 (Acute Eye Irritation / Corrosion) |

Respiratory or skin sensitization:

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

| Hazardous substances CAS-No. | Result | Test type | Species | Method |
|---------------------------------|-----------------|--------------|------------|---|
| Propan-2-ol 67-63-0 | not sensitising | Buehler test | guinea pig | OECD Guideline 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 CAS-No. | Result | Type of study / Route of administration | Metabolic activation / Exposure time | Species | Method |
|---------------------------------|----------|--|--|---------|---|
| rosin 8050-09-7 | negative | bacterial reverse mutation assay (e.g Ames test) | with and without | | OECD Guideline 471 (Bacterial Reverse Mutation Assay) |
| Propan-2-ol 67-63-0 | negative | bacterial reverse mutation assay (e.g Ames test) | with and without | | equivalent or similar to OECD Guideline 471 (Bacterial Reverse Mutation Assay) |
| Propan-2-ol 67-63-0 | negative | mammalian cell gene mutation assay | with and without | | equivalent or similar to OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) |
| Propan-2-ol 67-63-0 | negative | intraperitoneal | | mouse | equivalent or similar to OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test) |

Carcinogenicity

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

| Hazardous components CAS-No. | Result | Route of application | Exposure time / Frequency of treatment | Species | Sex | Method |
|---------------------------------|--------|-----------------------|---|---------|-------------|--|
| Propan-2-ol 67-63-0 | | inhalation: vapour | 104 w 6 h/d, 5 d/w | rat | male/female | OECD Guideline 451 (Carcinogenicity Studies) |

Reproductive toxicity:

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

| Hazardous substances CAS-No. | Result / Value | Test type | Route of application | Species | Method |
|---------------------------------|---|----------------------------|----------------------------|---------|--|
| Propan-2-ol 67-63-0 | NOAEL P 853 mg/kg | One generation study | oral: drinking water | rat | equivalent or similar to OECD Guideline 415 (One- Generation Reproduction Toxicity Study) |
| Propan-2-ol 67-63-0 | NOAEL P 500 mg/kg NOAEL F1 1.000 mg/kg | Two generation study | oral: gavage | rat | equivalent or similar to OECD Guideline 416 (Two- Generation Reproduction Toxicity Study) |

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 CAS-No. | Result / Value | Route of application | Exposure time / Frequency of treatment | Species | Method |
|---------------------------------|----------------|-----------------------|--|---------|---|
| Propan-2-ol 67-63-0 | | inhalation: vapour | 104 w 6 h/d, 5 d/w | rat | OECD Guideline 451 (Carcinogenicity Studies) |

Aspiration hazard:

The mixture is classified based on Viscosity data.

| Hazardous substances CAS-No. | Viscosity (kinematic) Value | Temperature | Method | Remarks |
|---------------------------------|--------------------------------|-------------|---------------------|---------|
| Propan-2-ol 67-63-0 | 1,8 mm2/s | 40 °C | ASTM Standard D7042 | |

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 | Value | Value | Exposure time | Species | Method |
|----------------------|-------|-----------------------|---------------|---------------------|---------------------------|
| CAS-No. | type | | | | |
| rosin | LC50 | Toxicity > Water | 96 h | Pimephales promelas | OECD Guideline 203 (Fish, |
| 8050-09-7 | | solubility | | | Acute Toxicity Test) |
| Propan-2-ol | LC50 | > 9.640 - 10.000 mg/l | 96 h | Pimephales promelas | OECD Guideline 203 (Fish, |
| 67-63-0 | | | | | 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 | Value | Value | Exposure time | Species | Method |
|----------------------|-------|------------------|---------------|---------------|----------------------|
| CAS-No. | type | | | | |
| rosin | EL50 | Toxicity > Water | 48 h | Daphnia magna | OECD Guideline 202 |
| 8050-09-7 | | solubility | | | (Daphnia sp. Acute |
| | | - | | | Immobilisation Test) |

Chronic toxicity (aquatic invertebrates):

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

| Hazardous substances | Value | Value | Exposure time | Species | Method |
|----------------------|-------|---------|---------------|---------------|---------------------------|
| CAS-No. | type | | | | |
| Propan-2-ol | NOEC | 30 mg/l | 21 d | Daphnia magna | OECD 211 (Daphnia |
| 67-63-0 | | - | | | 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 | Value | Value | Exposure time | Species | Method |
|------------------------|-------|--------------------------------|---------------|---|--|
| CAS-No. | type | | | | |
| rosin 8050-09-7 | EL50 | Toxicity > Water solubility | 72 h | Pseudokirchneriella subcapitata | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| rosin 8050-09-7 | NOELR | Toxicity > Water solubility | 72 h | Pseudokirchneriella subcapitata | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| Propan-2-ol 67-63-0 | EC50 | > 1.000 mg/l | 96 h | Scenedesmus subspicatus (new name: Desmodesmus subspicatus) | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| Propan-2-ol 67-63-0 | NOEC | 1.000 mg/l | 96 h | Scenedesmus subspicatus (new name: Desmodesmus subspicatus) | OECD Guideline 201 (Alga, 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 | Value | Value | Exposure time | Species | Method |
|----------------------|-------|------------------|---------------|-------------------------------|------------------------------|
| CAS-No. | type | | | | |
| rosin | EC20 | Toxicity > Water | 3 h | activated sludge of a | OECD Guideline 209 |
| 8050-09-7 | | solubility | | predominantly domestic sewage | (Activated Sludge, |
| | | | | | Respiration Inhibition Test) |
| Propan-2-ol | EC50 | > 1.000 mg/l | 3 h | activated sludge | OECD Guideline 209 |
| 67-63-0 | | | | | (Activated Sludge, |
| | | | | | Respiration Inhibition Test) |

12.2. Persistence and degradability

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

| Hazardous substances | Result | Test type | Degradability | Exposure | Method |
|------------------------|-----------------------|-----------|---------------|----------|--|
| CAS-No. | | | | time | |
| rosin 8050-09-7 | readily biodegradable | aerobic | 71 % | 28 d | OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test) |
| Propan-2-ol 67-63-0 | readily biodegradable | aerobic | 70 - 84 % | 30 d | EU Method C.4-E (Determination of the "Ready" BiodegradabilityClosed Bottle Test) |

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 CAS-No. | LogPow | Temperature | Method |
|---------------------------------|-----------|-------------|--|
| rosin 8050-09-7 | > 3 - 6,2 | | OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method) |
| Propan-2-ol 67-63-0 | 0,05 | | OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method) |

12.5. Results of PBT and vPvB assessment

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

| Hazardous substances | PBT / vPvB |
|----------------------|--|
| CAS-No. | |
| rosin | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very |
| 8050-09-7 | Bioaccumulative (vPvB) criteria. |
| Propan-2-ol | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very |
| 67-63-0 | 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:

Dispose of in accordance with local and national regulations. Do not empty into drains / surface water / ground water.

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 | | |
|-------|------------------------|---|--|
| 14.1. | UN number | of 1D humber | |
| | ADR | 1866 | |
| | RID | 1866 | |
| | ADN | 1866 | |
| | IMDG | 1866 | |
| | IATA | 1866 | |
| 14.2. | UN proper s | UN proper shipping name | |
| | ADR | RESIN SOLUTION | |
| | RID | RESIN SOLUTION | |
| | ADN | RESIN SOLUTION | |
| | IMDG | RESIN SOLUTION | |
| | IATA | Resin solution | |
| 14.3. | Transport h | Transport hazard class(es) | |
| | ADR | 3 | |
| | RID | 3 | |
| | ADN | 3 | |
| | IMDG | 3 | |
| | IATA | 3 | |
| 14.4. | Packing gro | Packing group | |
| | ADR | II | |
| | RID | II | |
| | ADN | II | |
| | IMDG | II | |
| | IATA | II | |
| 14.5. | Environmen | Environmental hazards | |
| | ADR | not applicable | |
| | RID | not applicable not applicable | |
| | ADN | not applicable | |
| | IMDG | not applicable | |
| | IATA | not applicable | |
| 14.6. | Special prec | Special precautions for user | |
| | ADR | Special provision 640D | |
| | | Tunnelcode: (D/E) | |
| | RID | Special provision 640D | |
| | ADN | Special provision 640D | |
| | IMDG | not applicable | |
| | IATA | not applicable | |
| 14.7. | Maritime tr | Maritime transport in bulk according to IMO instruments | |
| | not applicabl | e | |

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixtureOzone Depleting Substance (ODS) (Regulation (EC) No 1005/2009):Not applicablePrior Informed Consent (PIC) (Regulation (EU) No 649/2012):Not applicablePersistent organic pollutants (Regulation (EU) 2019/1021):Not applicable

VOC content (2010/75/EC) 45 %

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

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:

H225 Highly flammable liquid and vapour.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

| 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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