



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

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NITROMORS CRAFT

SDS No. : 531178
V003.0

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

1.1. Product identifier

NITROMORS CRAFT

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

Intended use:

Paint stripping agents

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

Fax-no.: +44 (1442) 278071

ua-productsafety.uk@henkel.com

1.4. Emergency telephone number

24 Hours Emergency Tel: +44 0 8701 906777 - For further general health & safety, technical and practical advice on this product, please call +44 (0) 1606 593933 or write to: Technical Services; Henkel Limited; Road 5; Winsford Industrial Estate; Winsford; Cheshire; CW7 3QY- Email: technical.services@henkel.co.uk

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (CLP):

| | |
|--|------------|
| Flammable liquids | Category 2 |
| H225 Highly flammable liquid and vapor. | |
| Serious eye irritation | Category 2 |
| H319 Causes serious eye irritation. | |
| Specific target organ toxicity - single exposure | Category 3 |
| H336 May cause drowsiness or dizziness. | |
| Target organ: Central Nervous System | |
| Specific target organ toxicity - single exposure | Category 2 |
| H371 May cause damage to organs. | |

2.2. Label elements

Label elements (CLP):

Hazard pictogram:**Contains**

Methanol

Ethyl acetate

Acetone

Signal word:

Danger

Hazard statement:

H225 Highly flammable liquid and vapor.
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.
 H371 May cause damage to organs.

Supplemental information

EUH066 Repeated exposure may cause skin dryness or cracking.

Precautionary statement:

P102 Keep out of reach of children.
 P101 If medical advice is needed, have product container or label at hand.
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
 No smoking.
 P260 Do not breathe mist/vapours.
 P262 Do not get in eyes, on skin, or on clothing.
 P280 Wear protective gloves/eye protection.
 P308+P311 IF exposed or concerned: Call a POISON CENTER/doctor.
 P312 Call a POISON CENTER/doctor if you feel unwell.
 P501 Dispose of contents/container in accordance with national regulation.

2.3. Other hazards

Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
 Solvents contained in the product evaporate during processing and their vapors can form explosive/highly inflammable air/vapor mixtures.

Pregnant women should absolutely avoid inhalation and skin contact.

SECTION 3: Composition/information on ingredients

3.2. Mixtures**General chemical description:**

Composition

Base substances of preparation:

organic solvent

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

| Hazardous components CAS-No. | EC Number REACH-Reg No. | content | Classification |
|---------------------------------|-------------------------------|------------|---|
| 1,3-Dioxolane 646-06-0 | 211-463-5 01-2119490744-29 | 40- 60 % | Flam. Liq. 2 H225 Eye Irrit. 2 H319 |
| Methylal 109-87-5 | 203-714-2 01-2119664781-31 | 20- 40 % | Flam. Liq. 2 H225 |
| Ethyl acetate 141-78-6 | 205-500-4 01-2119475103-46 | 10- < 20 % | Flam. Liq. 2 H225 STOT SE 3 H336 Eye Irrit. 2 H319 |
| Acetone 67-64-1 | 200-662-2 01-2119471330-49 | 10- < 20 % | Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336 |
| Methanol 67-56-1 | 200-659-6 01-2119433307-44 | 5- < 10 % | Flam. Liq. 2 H225 Acute Tox. 3; Inhalation H331 Acute Tox. 3; Dermal H311 Acute Tox. 3; Oral H301 STOT SE 1 H370 |

For full text of the H - statements and other abbreviations see section 16 "Other information".
Substances without classification may have community workplace exposure limits available.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

In case of adverse health effects seek medical advice.

Inhalation:

Move to fresh air, consult doctor if complaint persists.

Skin contact:

Rinse with running water and soap. Skin care. Remove contaminated clothes immediately.

Eye contact:

Immediately flush eyes with soft jet of water or eye rinse solution for at least 5 minutes. If pains remain (intensive smarting, sensitivity to light, visual disturbance) continue flushing and contact/seek doctor or hospital.

Ingestion:

Rinse mouth, do not induce vomiting, consult a doctor.

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

Causes serious eye irritation.

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:**

carbon dioxide, foam, powder, water spray jet, fine water spray

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) and carbon dioxide (CO₂) can be released.

5.3. Advice for firefighters

Wear self-contained breathing apparatus.

Wear protective equipment.

Additional information:

Cool endangered containers with water spray jet.

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

Wear protective equipment.

Danger of slipping on spilled product.

Avoid contact with skin and eyes.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

Remove with liquid-absorbing material (sand, peat, sawdust).

Dispose of contaminated material as waste according to Section 13.

6.4. Reference to other sections

See advice in section 8

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

Ventilate working rooms thoroughly. Avoid naked flames, sparking and sources of ignition. Switch off electrical devices. Do not smoke, do not weld. Do not empty waste into waste water drains.

During processing and drying after adhesion, ventilate well. Avoid all sources of fire such as stoves and ovens. Switch off all electrical devices such as parabolic heaters, hot plates, storage heaters etc. in good time for them to have cooled down before commencing work. Avoid all sparks, including those occurring at electrical switches and devices.

Hygiene measures:

Wash hands before work breaks and after finishing work.

Do not eat, drink or smoke while working.

7.2. Conditions for safe storage, including any incompatibilities

Do not expose to direct sunlight.

Store in a cool, well-ventilated place.

Store in a dry place.

Store frost-free.

Do not store together with food or other consumables (coffee, tea, tobacco, etc.).

7.3. Specific end use(s)

Paint stripping agents

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure Limits

Valid for
Great Britain

| Ingredient [Regulated substance] | ppm | mg/m ³ | Value type | Short term exposure limit category / Remarks | Regulatory list |
|---|-------|-------------------|-----------------------------------|--|-----------------|
| Dimethoxymethane 109-87-5 [DIMETHOXYMETHANE] | 1.250 | 3.950 | Short Term Exposure Limit (STEL): | | EH40 WEL |
| Dimethoxymethane 109-87-5 [DIMETHOXYMETHANE] | 1.000 | 3.160 | Time Weighted Average (TWA): | | EH40 WEL |
| Ethyl acetate 141-78-6 [ETHYL ACETATE] | 400 | | Short Term Exposure Limit (STEL): | | EH40 WEL |
| Ethyl acetate 141-78-6 [ETHYL ACETATE] | 200 | | Time Weighted Average (TWA): | | EH40 WEL |
| Ethyl acetate 141-78-6 [ETHYL ACETATE] | 200 | 734 | Time Weighted Average (TWA): | Indicative | ECLTV |
| Ethyl acetate 141-78-6 [ETHYL ACETATE] | 400 | 1.468 | Short Term Exposure Limit (STEL): | Indicative | ECLTV |
| Acetone 67-64-1 [ACETONE] | 1.500 | 3.620 | Short Term Exposure Limit (STEL): | | EH40 WEL |
| Acetone 67-64-1 [ACETONE] | 500 | 1.210 | Time Weighted Average (TWA): | | EH40 WEL |
| Acetone 67-64-1 [ACETONE] | 500 | 1.210 | Time Weighted Average (TWA): | Indicative | ECLTV |
| Methanol 67-56-1 [METHANOL] | 250 | 333 | Short Term Exposure Limit (STEL): | | EH40 WEL |
| Methanol 67-56-1 [METHANOL] | | | Skin designation: | Can be absorbed through the skin. | EH40 WEL |
| Methanol 67-56-1 [METHANOL] | 200 | 266 | Time Weighted Average (TWA): | | EH40 WEL |
| Methanol 67-56-1 [METHANOL] | 200 | 260 | Time Weighted Average (TWA): | Indicative | ECLTV |
| Paraffin waxes and Hydrocarbon waxes 8002-74-2 [PARAFFIN WAX, FUME] | | 2 | Time Weighted Average (TWA): | | EH40 WEL |
| Paraffin waxes and Hydrocarbon waxes 8002-74-2 [PARAFFIN WAX, FUME] | | 6 | Short Term Exposure Limit (STEL): | | 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 |
|--|-------|-------------------|------------------------------|--|-----------------|
| 1,3-Dioxolane 646-06-0 [1,3-DIOXOLANE] | 20 | | Time Weighted Average (TWA): | | IR_OEL |
| Dimethoxymethane 109-87-5 [METHYLAL] | 1.000 | 3.100 | Time Weighted Average (TWA): | | IR_OEL |
| Ethyl acetate 141-78-6 | 200 | | Time Weighted Average (TWA): | | IR_OEL |

| | | | | | |
|---|-----|-------|--------------------------------------|--------------------------------------|--------|
| [ETHYL ACETATE] | | | | | |
| Ethyl acetate 141-78-6 [ETHYL ACETATE] | 400 | | Short Term Exposure Limit (STEL): | | IR_OEL |
| Ethyl acetate 141-78-6 [ETHYL ACETATE] | 200 | 734 | Time Weighted Average (TWA): | Indicative | ECLTV |
| Ethyl acetate 141-78-6 [ETHYL ACETATE] | 400 | 1.468 | Short Term Exposure Limit (STEL): | Indicative | ECLTV |
| Acetone 67-64-1 [ACETONE] | 500 | 1.210 | Time Weighted Average (TWA): | Indicative OELV | IR_OEL |
| Acetone 67-64-1 [ACETONE] | 500 | 1.210 | Time Weighted Average (TWA): | Indicative | ECLTV |
| Methanol 67-56-1 [METHANOL] | 200 | 260 | Time Weighted Average (TWA): | Indicative OELV | IR_OEL |
| Methanol 67-56-1 [METHANOL] | | | Skin designation: | Can be absorbed through the skin. | IR_OEL |
| Methanol 67-56-1 [METHANOL] | 200 | 260 | Time Weighted Average (TWA): | Indicative | ECLTV |
| Paraffin waxes and Hydrocarbon waxes 8002-74-2 [PARAFFIN WAX, FUME] | | 2 | Time Weighted Average (TWA): | | IR_OEL |
| Paraffin waxes and Hydrocarbon waxes 8002-74-2 [PARAFFIN WAX, FUME] | | 6 | Short Term Exposure Limit (STEL): | | IR_OEL |

Predicted No-Effect Concentration (PNEC):

| Name on list | Environmental Compartment | Exposure period | Value | | | | Remarks |
|------------------------------|------------------------------------|-----------------|----------------|-----|-----------------|--------|---------|
| | | | mg/l | ppm | mg/kg | others | |
| 1,3-Dioxolane 646-06-0 | aqua (freshwater) | | 19,7 mg/l | | | | |
| 1,3-Dioxolane 646-06-0 | aqua (marine water) | | 1,97 mg/l | | | | |
| 1,3-Dioxolane 646-06-0 | aqua (intermittent releases) | | 0,95 mg/l | | | | |
| 1,3-Dioxolane 646-06-0 | sediment (freshwater) | | | | 77,7 mg/kg | | |
| 1,3-Dioxolane 646-06-0 | sediment (marine water) | | | | 7,77 mg/kg | | |
| 1,3-Dioxolane 646-06-0 | soil | | | | 2,62 mg/kg | | |
| 1,3-Dioxolane 646-06-0 | Sewage treatment plant | | 1 mg/l | | | | |
| Dimethoxymethane 109-87-5 | aqua (freshwater) | | 14,577 mg/l | | | | |
| Dimethoxymethane 109-87-5 | aqua (marine water) | | 1,4577 mg/l | | | | |
| Dimethoxymethane 109-87-5 | sediment (freshwater) | | | | 13,135 mg/kg | | |
| Dimethoxymethane 109-87-5 | sediment (marine water) | | | | 1,3135 mg/kg | | |
| Dimethoxymethane 109-87-5 | soil | | | | 4,6538 mg/kg | | |
| Dimethoxymethane 109-87-5 | Sewage treatment plant | | 10000 mg/l | | | | |
| Ethyl acetate 141-78-6 | aqua (freshwater) | | 0,26 mg/l | | | | |
| Ethyl acetate 141-78-6 | aqua (marine water) | | 0,026 mg/l | | | | |
| Ethyl acetate 141-78-6 | aqua (intermittent releases) | | 1,65 mg/l | | | | |
| Ethyl acetate 141-78-6 | sewage treatment plant (STP) | | 650 mg/l | | | | |
| Ethyl acetate 141-78-6 | sediment (freshwater) | | | | 1,25 mg/kg | | |
| Ethyl acetate 141-78-6 | sediment (marine water) | | | | 0,125 mg/kg | | |
| Ethyl acetate 141-78-6 | oral | | | | 200 mg/kg | | |
| Ethyl acetate 141-78-6 | soil | | | | 0,24 mg/kg | | |
| Acetone 67-64-1 | aqua (intermittent releases) | | 21 mg/l | | | | |
| Acetone 67-64-1 | sewage treatment plant (STP) | | 100 mg/l | | | | |
| Acetone 67-64-1 | sediment (freshwater) | | | | 30,4 mg/kg | | |
| Acetone 67-64-1 | sediment (marine water) | | | | 3,04 mg/kg | | |
| Acetone 67-64-1 | soil | | | | 29,5 mg/kg | | |
| Acetone 67-64-1 | aqua (freshwater) | | 10,6 mg/l | | | | |
| Acetone 67-64-1 | aqua (marine water) | | 1,06 mg/l | | | | |
| Methanol 67-56-1 | aqua (freshwater) | | 20,8 mg/l | | | | |
| Methanol 67-56-1 | sediment (freshwater) | | | | 77 mg/kg | | |
| Methanol 67-56-1 | aqua (marine water) | | 2,08 mg/l | | | | |
| Methanol 67-56-1 | soil | | | | 100 mg/kg | | |

| | | | | | | | |
|---------------------|------------------------------------|--|-----------|--|-----------|--|--|
| Methanol 67-56-1 | sewage treatment plant (STP) | | 100 mg/l | | | | |
| Methanol 67-56-1 | aqua (intermittent releases) | | 1540 mg/l | | | | |
| Methanol 67-56-1 | sediment (marine water) | | | | 7,7 mg/kg | | |

Derived No-Effect Level (DNEL):

| Name on list | Application Area | Route of Exposure | Health Effect | Exposure Time | Value | Remarks |
|---------------------------|--------------------|-------------------|--|---------------|------------------------|---------|
| 1,3-Dioxolane 646-06-0 | Workers | dermal | Long term exposure - systemic effects | | 4,1 mg/kg | |
| 1,3-Dioxolane 646-06-0 | Workers | inhalation | Long term exposure - systemic effects | | 19 mg/m ³ | |
| 1,3-Dioxolane 646-06-0 | General population | oral | Long term exposure - systemic effects | | 75 mg/kg | |
| 1,3-Dioxolane 646-06-0 | General population | inhalation | Long term exposure - systemic effects | | 5,7 mg/m ³ | |
| 1,3-Dioxolane 646-06-0 | General population | dermal | Long term exposure - systemic effects | | 0,8 mg/kg | |
| Ethyl acetate 141-78-6 | Workers | inhalation | Acute/short term exposure - systemic effects | | 1468 mg/m ³ | |
| Ethyl acetate 141-78-6 | Workers | inhalation | Acute/short term exposure - local effects | | 1468 mg/m ³ | |
| Ethyl acetate 141-78-6 | Workers | dermal | Long term exposure - systemic effects | | 63 mg/kg | |
| Ethyl acetate 141-78-6 | Workers | inhalation | Long term exposure - systemic effects | | 734 mg/m ³ | |
| Ethyl acetate 141-78-6 | Workers | inhalation | Long term exposure - local effects | | 734 mg/m ³ | |
| Ethyl acetate 141-78-6 | General population | Inhalation | Acute/short term exposure - systemic effects | | 734 mg/m ³ | |
| Ethyl acetate 141-78-6 | General population | inhalation | Acute/short term exposure - local effects | | 734 mg/m ³ | |
| Ethyl acetate 141-78-6 | General population | dermal | Long term exposure - systemic effects | | 37 mg/kg | |
| Ethyl acetate 141-78-6 | General population | inhalation | Long term exposure - systemic effects | | 367 mg/m ³ | |
| Ethyl acetate 141-78-6 | General population | oral | Long term exposure - systemic effects | | 4,5 mg/kg | |
| Ethyl acetate 141-78-6 | General population | inhalation | Long term exposure - local effects | | 367 mg/m ³ | |
| Acetone 67-64-1 | Workers | Inhalation | Acute/short term exposure - local effects | | 2420 mg/m ³ | |
| Acetone 67-64-1 | Workers | dermal | Long term exposure - systemic effects | | 186 mg/kg | |
| Acetone 67-64-1 | Workers | Inhalation | Long term exposure - systemic effects | | 1210 mg/m ³ | |
| Acetone 67-64-1 | General population | dermal | Long term exposure - systemic effects | | 62 mg/kg | |
| Acetone 67-64-1 | General population | Inhalation | Long term exposure - systemic effects | | 200 mg/m ³ | |
| Acetone 67-64-1 | General population | oral | Long term exposure - systemic effects | | 62 mg/kg | |
| Methanol 67-56-1 | Workers | inhalation | Long term exposure - systemic effects | | 260 mg/m ³ | |
| Methanol 67-56-1 | Workers | inhalation | Acute/short term exposure - | | 260 mg/m ³ | |

| | | | | | |
|---------------------|--------------------|------------|--|--|-----------|
| | | | systemic effects | | |
| Methanol 67-56-1 | Workers | inhalation | Long term exposure - local effects | | 260 mg/m3 |
| Methanol 67-56-1 | Workers | inhalation | Acute/short term exposure - local effects | | 260 mg/m3 |
| Methanol 67-56-1 | Workers | dermal | Long term exposure - systemic effects | | 40 mg/kg |
| Methanol 67-56-1 | Workers | dermal | Acute/short term exposure - systemic effects | | 40 mg/kg |
| Methanol 67-56-1 | General population | inhalation | Long term exposure - systemic effects | | 50 mg/m3 |
| Methanol 67-56-1 | General population | inhalation | Acute/short term exposure - systemic effects | | 50 mg/m3 |
| Methanol 67-56-1 | General population | inhalation | Long term exposure - local effects | | 50 mg/m3 |
| Methanol 67-56-1 | General population | inhalation | Acute/short term exposure - local effects | | 50 mg/m3 |
| Methanol 67-56-1 | General population | dermal | Long term exposure - systemic effects | | 8 mg/kg |
| Methanol 67-56-1 | General population | dermal | Acute/short term exposure - systemic effects | | 8 mg/kg |
| Methanol 67-56-1 | General population | oral | Long term exposure - systemic effects | | 8 mg/kg |
| Methanol 67-56-1 | General population | oral | Acute/short term exposure - systemic effects | | 8 mg/kg |
| Methanol 67-56-1 | General population | Dermal | Long term exposure - local effects | | 8 mg/kg |

Biological Exposure Indices:

None

8.2. Exposure controls:**Respiratory protection:**

The product should only be used at workplaces with intensive ventilation/extraction. If intensive ventilation/extraction is not possible then self-contained independent respiratory protection should be worn.

Hand protection:

Recommended are gloves made from Nitril rubber (Material thickness >0,1 mm, Perforation time < 30s).Gloves should be replaced after each short time contact or contamination. Available at laboratory specialized trade or at pharmacies / chemist's shops.

In the case of longer contact protective gloves made from butyl rubber are recommended according to EN 374.

Perforation time > 10 minutes

material thickness > 0,3 mm

In the case of longer and repeated contact please note that in practice the penetration times may be considerably shorter than those determined according to EN 374. The protective gloves must always be checked for their suitability for use at the specific workplace (e.g. mechanical and thermal stress, product compatibility, antistatic effects, etc.). The gloves must be replaced immediately at the first signs of wear and tear. The information provided by the manufacturers and given in the relevant trade association regulations for industrial safety must always be observed. We recommend that a hand care plan is drawn up in cooperation with a glove manufacturer and the trade association in accordance with the local operating conditions.

Eye protection:

Goggles which can be tightly sealed.

Protective eye equipment should conform to EN166.

Skin protection:

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

| | |
|--|------------------------------------|
| Appearance | liquid liquid blue grey |
| Odor | Solvent |
| Odour threshold | No data available / Not applicable |
| pH | No data available / Not applicable |
| Melting point | No data available / Not applicable |
| Solidification temperature | No data available / Not applicable |
| Initial boiling point | No data available / Not applicable |
| Flash point | -11 °C (12.2 °F); no method |
| Evaporation rate | No data available / Not applicable |
| Flammability | No data available / Not applicable |
| Explosive limits | No data available / Not applicable |
| Vapour pressure | No data available / Not applicable |
| Relative vapour density: | No data available / Not applicable |
| Density (20 °C (68 °F)) | 0,85 - 0,95 g/cm ³ |
| Bulk density | No data available / Not applicable |
| Solubility | No data available / Not applicable |
| Solubility (qualitative) | No data available / Not applicable |
| Partition coefficient: n-octanol/water | No data available / Not applicable |
| Auto-ignition temperature | No data available / Not applicable |
| Decomposition temperature | No data available / Not applicable |
| Viscosity | No data available / Not applicable |
| Viscosity (kinematic) | No data available / Not applicable |
| Explosive properties | No data available / Not applicable |
| Oxidising properties | No data available / Not applicable |

9.2. Other information

No data available / Not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity

None if used for intended purpose.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

See section reactivity

10.4. Conditions to avoid

None if used for intended purpose.

10.5. Incompatible materials

None if used properly.

10.6. Hazardous decomposition products

None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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 |
|---------------------------------|--|-------------|---------|------------------|
| Methylal 109-87-5 | LD50 | 6.423 mg/kg | rat | not specified |
| Ethyl acetate 141-78-6 | LD50 | 6.100 mg/kg | rat | not specified |
| Acetone 67-64-1 | LD50 | 5.800 mg/kg | rat | not specified |
| Methanol 67-56-1 | Acute toxicity estimate (ATE) | 300 mg/kg | | Expert judgement |

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 |
|---------------------------------|---------------|----------------|---------|--|
| Methylal 109-87-5 | LD50 | > 5.000 mg/kg | rabbit | OECD Guideline 402 (Acute Dermal Toxicity) |
| Ethyl acetate 141-78-6 | LD50 | > 20.000 mg/kg | rabbit | Draize Test |
| Acetone 67-64-1 | LD50 | > 15.688 mg/kg | rabbit | Draize Test |

Acute inhalative toxicity:

The toxicity of the product is due to its narcotic effect after inhalation.

In the event of protracted or repeated exposure, damage to health cannot be excluded.

| Hazardous substances CAS-No. | Value type | Value | Test atmosphere | Exposure time | Species | Method |
|---------------------------------|---------------|----------|-----------------|------------------|---------|---------------|
| Ethyl acetate 141-78-6 | LC50 | 200 mg/l | | 1 h | rat | not specified |
| Acetone 67-64-1 | LC50 | 76 mg/l | | 4 h | rat | not specified |

Skin corrosion/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 |
|---------------------------------|------------------------|------------------|------------|--|
| Ethyl acetate 141-78-6 | slightly irritating | 24 h | rabbit | OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |
| Acetone 67-64-1 | not irritating | | guinea pig | not specified |
| Methanol 67-56-1 | not irritating | 20 h | rabbit | BASF Test |

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 |
|---------------------------------|------------------------|------------------|---------|---|
| Ethyl acetate 141-78-6 | slightly irritating | | rabbit | OECD Guideline 405 (Acute Eye Irritation / Corrosion) |
| Acetone 67-64-1 | irritating | | rabbit | OECD Guideline 405 (Acute Eye Irritation / Corrosion) |
| Methanol 67-56-1 | not irritating | | rabbit | 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 |
|---------------------------------|-----------------|---------------------------------|------------|---|
| Ethyl acetate 141-78-6 | not sensitising | Guinea pig maximisation test | guinea pig | OECD Guideline 406 (Skin Sensitisation) |
| Acetone 67-64-1 | not sensitising | Guinea pig maximisation test | guinea pig | not specified |
| Methanol 67-56-1 | not sensitising | Guinea pig maximisation 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 |
|---------------------------------|----------|--|--|---------------------|--|
| Ethyl acetate 141-78-6 | negative | bacterial reverse mutation assay (e.g Ames test) | with and without | | OECD Guideline 471 (Bacterial Reverse Mutation Assay) |
| Ethyl acetate 141-78-6 | negative | in vitro mammalian chromosome aberration test | with and without | | OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test) |
| Acetone 67-64-1 | negative | bacterial reverse mutation assay (e.g Ames test) | with and without | | OECD Guideline 471 (Bacterial Reverse Mutation Assay) |
| Acetone 67-64-1 | negative | in vitro mammalian chromosome aberration test | with and without | | OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test) |
| Acetone 67-64-1 | negative | mammalian cell gene mutation assay | without | | OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) |
| Methanol 67-56-1 | negative | bacterial reverse mutation assay (e.g Ames test) | with and without | | OECD Guideline 471 (Bacterial Reverse Mutation Assay) |
| Methanol 67-56-1 | negative | in vitro mammalian cell micronucleus test | with and without | | Chromosome Aberration Test |
| Methanol 67-56-1 | negative | mammalian cell gene mutation assay | with and without | | OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) |
| Ethyl acetate 141-78-6 | negative | oral: gavage | | hamster, Chinese | OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test) |
| Acetone 67-64-1 | negative | oral: drinking water | | mouse | not specified |
| Methanol 67-56-1 | negative | intraperitoneal | | mouse | 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 |
|------------------------------|------------------|-----------------------|--|---------|-------------|--|
| Acetone 67-64-1 | not carcinogenic | dermal | 424 d 3 times per week | mouse | female | not specified |
| Methanol 67-56-1 | not carcinogenic | inhalation: vapour | 18 m 19 h/d | mouse | male/female | OECD Guideline 453 (Combined Chronic Toxicity / 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 |
|------------------------------|--|----------------------|-----------------------|---------|---|
| Ethyl acetate 141-78-6 | NOAEL P 1.500 mg/kg | other | inhalation: vapour | rat | other guideline: |
| Methanol 67-56-1 | NOAEL P 1,3 mg/l NOAEL F1 0,13 mg/l NOAEL F2 0,13 mg/l | Two generation study | inhalation | rat | 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 |
|------------------------------|-----------------|-------------------------|--|---------|--|
| Ethyl acetate 141-78-6 | NOAEL 900 mg/kg | oral: gavage | 90 d daily | rat | EPA OTS 795.2600 (Subchronic Oral Toxicity Test) |
| Ethyl acetate 141-78-6 | NOAEL 1,28 mg/l | inhalation | 94 d continuous | rat | EPA OTS 798.2450 (90-Day Inhalation Toxicity) |
| Acetone 67-64-1 | NOAEL 900 mg/kg | oral: drinking water | 13 w daily | rat | OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents) |
| Methanol 67-56-1 | NOAEL 6,63 mg/l | inhalation | 4 weeks 6 h/d, 5 d/w | rat | not specified |

Aspiration hazard:

No data available.

SECTION 12: Ecological information

General ecological information:

Do not empty into drains, soil or bodies of water.

12.1. Toxicity

Toxicity (Fish):

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

| Hazardous substances CAS-No. | Value type | Value | Exposure time | Species | Method |
|---------------------------------|---------------|-------------|---------------|--------------------------|---|
| 1,3-Dioxolane 646-06-0 | LC50 | > 95,4 mg/l | 96 h | Lepomis macrochirus | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| Methylal 109-87-5 | LC50 | 6.990 mg/l | 96 h | Pimephales promelas | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| Ethyl acetate 141-78-6 | LC50 | 270 mg/l | 48 h | Leuciscus idus melanotus | DIN 38412-15 |
| Acetone 67-64-1 | LC50 | 8.120 mg/l | 96 h | Pimephales promelas | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| Methanol 67-56-1 | LC50 | 15.400 mg/l | 96 h | Lepomis macrochirus | EPA-660 (Methods for Acute Toxicity Tests with Fish, Macroinvertebrates and Amphibians) |
| Methanol 67-56-1 | NOEC | 7.900 mg/l | 200 h | Oryzias latipes | OECD Guideline 210 (fish early lite stage toxicity test) |

Toxicity (Daphnia):

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

| Hazardous substances CAS-No. | Value type | Value | Exposure time | Species | Method |
|---------------------------------|---------------|-------------|---------------|-------------------|--|
| 1,3-Dioxolane 646-06-0 | EC50 | > 772 mg/l | 48 h | Daphnia magna | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| Methylal 109-87-5 | EC50 | > 500 mg/l | 48 h | Daphnia magna | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| Ethyl acetate 141-78-6 | EC50 | 164 mg/l | 48 h | Daphnia cucullata | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| Acetone 67-64-1 | EC50 | 8.800 mg/l | 48 h | Daphnia pulex | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| Methanol 67-56-1 | EC50 | 18.260 mg/l | 96 h | Daphnia magna | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |

Chronic toxicity to aquatic invertebrates

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

| Hazardous substances CAS-No. | Value type | Value | Exposure time | Species | Method |
|---------------------------------|---------------|------------|---------------|---------------|---|
| Ethyl acetate 141-78-6 | NOEC | 2,4 mg/l | 21 d | Daphnia magna | OECD 211 (Daphnia magna, Reproduction Test) |
| Acetone 67-64-1 | NOEC | 2.212 mg/l | 28 d | Daphnia magna | OECD 211 (Daphnia magna, Reproduction Test) |

Toxicity (Algae):

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

| Hazardous substances CAS-No. | Value type | Value | Exposure time | Species | Method |
|---------------------------------|---------------|--------------|---------------|---|--|
| 1,3-Dioxolane 646-06-0 | NOEC | 877 mg/l | 72 h | Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata) | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| 1,3-Dioxolane 646-06-0 | ErC50 | > 877 mg/l | 72 h | Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata) | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| Methylal 109-87-5 | EC10 | > 500 mg/l | 96 h | Scenedesmus subspicatus (new name: Desmodesmus subspicatus) | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| Ethyl acetate 141-78-6 | EC50 | > 2.000 mg/l | 96 h | Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata) | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| Ethyl acetate 141-78-6 | NOEC | 2.000 mg/l | 96 h | Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata) | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| Acetone 67-64-1 | NOEC | 530 mg/l | 8 d | Microcystis aeruginosa | DIN 38412-09 |
| Methanol 67-56-1 | EC50 | 22.000 mg/l | 96 h | Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata) | OECD Guideline 201 (Alga, Growth Inhibition Test) |

Toxicity to microorganisms

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

| Hazardous substances CAS-No. | Value type | Value | Exposure time | Species | Method |
|---------------------------------|---------------|--------------|---------------|--|--|
| Methylal 109-87-5 | EC10 | 3.000 mg/l | 17 h | | DIN 38412, part 8 (Pseudomonas Zellvermehrungshemm- Test) |
| Ethyl acetate 141-78-6 | EC10 | 2.900 mg/l | 18 h | | not specified |
| Acetone 67-64-1 | EC10 | 1.000 mg/l | 30 min | Pseudomonas putida | DIN 38412, part 27 (Bacterial oxygen consumption test) |
| Methanol 67-56-1 | IC50 | > 1.000 mg/l | 3 h | activated sludge of a predominantly domestic sewage | OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test) |

12.2. Persistence and degradability

| Hazardous substances CAS-No. | Result | Test type | Degradability | Exposure time | Method |
|---------------------------------|-----------------------|-----------|---------------|------------------|---|
| 1,3-Dioxolane 646-06-0 | | aerobic | 20 % | | OECD Guideline 301 C (Ready Biodegradability: Modified MITI Test (I)) |
| Methylal 109-87-5 | | | 88 % | 30 d | OECD 301 A - F |
| Ethyl acetate 141-78-6 | readily biodegradable | aerobic | 100 % | 28 d | OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test) |
| Acetone 67-64-1 | readily biodegradable | aerobic | 81 - 92 % | 30 d | EU Method C.4-E (Determination of the "Ready" Biodegradability Closed Bottle Test) |
| Methanol 67-56-1 | readily biodegradable | aerobic | 82 - 92 % | 30 d | EU Method C.4-E (Determination of the "Ready" Biodegradability Closed Bottle Test) |

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

| Hazardous substances CAS-No. | LogPow | Temperature | Method |
|---------------------------------|--------|-------------|--|
| 1,3-Dioxolane 646-06-0 | -0,35 | | not specified |
| Ethyl acetate 141-78-6 | 0,6 | | OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method) |
| Acetone 67-64-1 | -0,24 | | OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method) |
| Methanol 67-56-1 | -0,77 | | other guideline: |

12.5. Results of PBT and vPvB assessment

| Hazardous substances CAS-No. | PBT / vPvB |
|---------------------------------|---|
| Ethyl acetate 141-78-6 | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |
| Acetone 67-64-1 | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |
| Methanol 67-56-1 | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |

12.6. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product disposal:

Dispose of waste and residues in accordance with local authority requirements.

Disposal of uncleaned packages:

Use packages for recycling only when totally empty.

Waste code

140603

| |
|--|
| SECTION 14: Transport information |
|--|

14.1. UN number

| | |
|------|------|
| ADR | 1263 |
| RID | 1263 |
| ADN | 1263 |
| IMDG | 1263 |
| IATA | 1263 |

14.2. UN proper shipping name

| | |
|------|-------------------------|
| ADR | PAINTE RELATED MATERIAL |
| RID | PAINTE RELATED MATERIAL |
| ADN | PAINTE RELATED MATERIAL |
| IMDG | PAINTE RELATED MATERIAL |
| IATA | Paint related material |

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 | not applicable |
| RID | not applicable |
| ADN | not applicable |
| IMDG | not applicable |
| IATA | not applicable |

14.6. 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. 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

| | |
|-------------------------------------|--------|
| VOC content | 27,7 % |
| (VOCV 814.018 VOC regulation CH) | |

List of ingredients according to Detergents regulation.

1,3-Dioxolane
Methylal
Ethyl acetate
Acetone
Methanol
Water
Paraffin waxes and Hydrocarbon waxes
Docusate sodium
2,2'-Iminodiethanol
Hydroxypropyl methylcellulose
Solvent naphtha (petroleum), light arom., <0.1% Benzene
1,2,4-Trimethylbenzene
Formaldehyde
Sodium tetraborate decahydrate
Carbonic acid disodium salt, decahydrate
Xylene - mixture of isomers
Mesitylene
Ethanol
1,2,3-trimethylbenzene
2-Ethylhexan-1-ol
Propylbenzene
Cumene
2,2',2''-Nitrilotriethanol
2-aminoethanol
Acetaldehyde
Acetic acid
Disodium 2-ethylhexylsulfosuccinate

15.2. Chemical safety assessment

A chemical safety assessment has 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 vapor.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H336 May cause drowsiness or dizziness.
H370 Causes damage to organs.

Further information:

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Relevant changes in this safety data sheet are indicated by vertical lines at the left margin in the body of this document. Corresponding text is displayed in a different color on shadowed fields.

Annex - Exposure Scenarios:

Exposure Scenarios for ethyl acetate can be downloaded under the following link:
http://mymds.henkel.com/mymds/.490394..en.ANNEX_DE.19414935.0.DE.pdf
Alternatively they can be accessed on the internet site www.mymds.henkel.com by entering number 490394.