

# SAFETY DATA SHEET

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

### 1.1. Product identifier

**Trade name**

Junckers Professional Hardwax Oil

**Product no.**

557

**REACH registration number**

Not applicable

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

**Relevant identified uses of the substance or mixture**

Oil treatment of wood, indoors

**Uses advised against**

-

The full text of any mentioned and identified use categories are given in section 16

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

**Company and address**

Junckers Industrier A/S

Vaerftsvej 4

4600 Koege

Denmark

Tel.: +45 7080 3000

**Contact person**

Kirsten Andersen

**E-mail**

productsafety@junckers.dk

**SDS date**

2017-11-16

**SDS Version**

8.0

### 1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service). See section 4 "First aid measures".

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP)

### 2.2. Label elements

**Hazard pictogram(s)**

Not applicable

**Signal word**

-

**Hazard statement(s)**

Not applicable

**Safety statement(s)**

General -

Prevention -

Response -

Storage -

Disposal -

According to EC-Regulation 2015/830

### Identity of the substances primarily responsible for the major health hazards

Not applicable

#### ▼ 2.3. Other hazards

Not applicable

#### Additional labelling

Contains Phthalic anhydride. May produce an allergic reaction. (EUH208).

Safety data sheet available on request. (EUH210)

Repeated exposure may cause skin dryness or cracking. (EUH066)

#### Additional warnings

Not applicable

#### ▼ VOC

VOC-MAX: 480 g/l, MAXIMUM VOC CONTENT (A/i (SB)): 500 g/l.

## SECTION 3: Composition/information on ingredients

### ▼ 3.1/3.2. Substances/Mixtures

|                      |   |
|----------------------|---|
| NAME:                | Hydrocarbons, C12-C15, n-alkanes, isoalkanes < 2% aromatics   |
| IDENTIFICATION NOS.: | CAS-no: - EC-no: 940-727-9  |
| CONTENT:             | 25-40%  |
| CLP CLASSIFICATION:  | Asp. Tox. 1,<br>H304, EUH066  |
| NAME:                | Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics   |
| IDENTIFICATION NOS.: | CAS-no: (64742-48-9) EC-no: (918-167-1) REACH-no: 01-2119472146-39-xxxx   |
| CONTENT:             | 15 - <25%   |
| CLP CLASSIFICATION:  | Flam. Liq. 3, Asp. Tox. 1, Aquatic Chronic 4<br>H226, H304, H413, EUH066  |
| NAME:                | Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)   |
| IDENTIFICATION NOS.: | CAS-no: 246538-78-3 EC-no: (920-901-0) REACH-no: 01-2119456810-40-xxxx  |
| CONTENT:             | 5 - <10%  |
| CLP CLASSIFICATION:  | Asp. Tox. 1<br>H304, EUH066   |
| NAME:                | Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics   |
| IDENTIFICATION NOS.: | CAS-no: (90622-58-5) EC-no: (927-285-2) REACH-no: 01-2119480162-45-xxxx   |
| CONTENT:             | 5 - <10%  |
| CLP CLASSIFICATION:  | Asp. Tox. 1<br>H304, EUH066   |
| NAME:                | Siliciumdioxide, chemical prepared  |
| IDENTIFICATION NOS.: | CAS-no: 7631-86-9 EC-no: 231-545-4 REACH-no: 01-2119379499-16-xxxx  |
| CONTENT:             | 1 - <2.5%   |
| CLP CLASSIFICATION:  | NA  |
| NAME:                | Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics   |
| IDENTIFICATION NOS.: | CAS-no: - EC-no: (918-481-9) REACH-no: 01-2119457273-39-xxxx.   |
| CONTENT:             | 1 - <2.5%   |
| CLP CLASSIFICATION:  | Asp. Tox. 1<br>H304, EUH066   |
| NAME:                | Phthalic anhydride  |
| IDENTIFICATION NOS.: | CAS-no: 85-44-9 EC-no: 201-607-5 Index-no: 607-009-00-4   |
| CONTENT:             | 0.1 - <0.25%  |
| CLP CLASSIFICATION:  | Acute Tox. 4, STOT SE 3, Skin Irrit. 2, Eye Dam. 1, Resp. Sens. 1, Skin Sens. 1<br>H302, H315, H317, H318, H334, H335 |
| NAME:                | Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)   |
| IDENTIFICATION NOS.: | CAS-no: 64742-82-1 EC-no: (919-446-0) REACH-no: 01-2119458049-33-xxxx   |
| CONTENT:             | <0.1%   |
| CLP CLASSIFICATION:  | Flam. Liq. 3, Asp. Tox. 1, , STOT SE 3, STOT RE 1, Aquatic Chronic 2<br>H226, H304, EUH066, H336, H372, H411          |
| NAME:                | (2-methoxymethylethoxy)propanol   |
| IDENTIFICATION NOS.: | CAS-no: 34590-94-8 EC-no: 252-104-2 REACH-no: 01-2119450011-60-xxxx   |
| CONTENT:             | <0.05%  |
| CLP CLASSIFICATION:  | NA  |
| NOTE:                | SL  |

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|                      |  |
|----------------------|--|
| NAME:                | 2-methoxy-1-methylethyl acetate  |
| IDENTIFICATION NOS.: | CAS-no: 108-65-6 EC-no: 203-603-9 REACH-no: 01-2119475791-29-xxxx Index-no: 607-195-00-7 |
| CONTENT:             | <0.05%   |
| CLP CLASSIFICATION:  | Flam. Liq. 3<br>H226   |
| NOTE:                | SL   |

(\*) See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.  
S = Organic solvent L = European occupational exposure limit.

#### Other information

ATEmix(inhale, vapour) > 20  
ATEmix(inhale, gas) > 20000  
ATEmix(dermal) > 2000  
ATEmix(oral) > 2000  
N chronic (CAT 4) Sum =  $\sum(Ci/(M(\text{chronic})^{25}) \cdot 0.1 \cdot 10^{\text{CAT}4}) = 0,674304 - < 1$

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. The doctor can contact The National Poisons Information Service (dial 111, 24 h service). Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

#### Inhalation

Bring the person into fresh air and stay with him/her.

#### ▼ Skin contact

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with soap and water. Skin cleanser can be used. DO NOT use solvents or thinners.

#### ▼ Eye contact

Remove contact lenses and open eyes widely. Flush eyes with water or saline water (20-30°C) for at least 15 minutes. Seek medical assistance and continue flushing during transport.

#### Ingestion

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

#### Burns

Not applicable

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

This product contains substances that may trigger an allergic reaction to predisposed persons. Sensitisation: This product contains substances, which may produce an allergic reaction through inhalation. The allergic reaction is typically taking place within an hour subsequent to exposure. The reaction results in an inflammatory reaction to the lungs.

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

Nothing special

#### Information to medics

Bring this safety data sheet.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Waterjets should not be used, since they can spread the fire.

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

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous catabolic substances are produced. These are: Carbon oxides. Fire will result in dense black smoke. Exposure to combustion products may harm your health. Fire fighters should wear appropriate protection equipment. Closed

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containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

#### ▼ 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

### SECTION 6: Accidental release measures

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

No specific requirements.

#### 6.2. Environmental precautions

No specific requirements.

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

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

#### 6.4. Reference to other sections

See section on "Disposal considerations" in regard of handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

### SECTION 7: Handling and storage

#### ▼ 7.1. Precautions for safe handling

See section on 'Exposure controls/personal protection' for information on personal protection.

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

Always store in containers of the same material as the original container.

##### Storage temperature

Room temperature 18 to 23°C (Storage on stock, 3 to 8°C)

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

This product should only be used for applications quoted in section 1.2

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### ▼ OEL

(2-methoxymethylethoxy)propanol

Long-term exposure limit (8-hour TWA reference period): 50 ppm | 308 mg/m<sup>3</sup>

Short-term exposure limit (15-minute reference period): - ppm | - mg/m<sup>3</sup>

Comments: Sk (Sk = Can be absorbed through skin.)

2-methoxy-1-methylethyl acetate

Long-term exposure limit (8-hour TWA reference period): 50 ppm | 274 mg/m<sup>3</sup>

Short-term exposure limit (15-minute reference period): 100 ppm | 548 mg/m<sup>3</sup>

Comments: Sk (Sk = Can be absorbed through skin.)

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromat...

Long-term exposure limit (8-hour TWA reference period): - ppm | - mg/m<sup>3</sup>

Short-term exposure limit (15-minute reference period): - ppm | 500 mg/m<sup>3</sup>

Phthalic anhydride

Long-term exposure limit (8-hour TWA reference period): - ppm | 4 mg/m<sup>3</sup>

Short-term exposure limit (15-minute reference period): - ppm | 12 mg/m<sup>3</sup>

Comments: Sen (Sen = Capable of causing respiratory sensitisation.)

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% ...

Long-term exposure limit (8-hour TWA reference period): - ppm | 800 mg/m<sup>3</sup>

Short-term exposure limit (15-minute reference period): - ppm | - mg/m<sup>3</sup>

Siliciumdioxide, chemical prepared

Long-term exposure limit (8-hour TWA reference period): - ppm | 6 mg/m<sup>3</sup>

Short-term exposure limit (15-minute reference period): - ppm | 2,4 mg/m<sup>3</sup>

Comments: inhalable aerosol/respirable aerosol

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Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics  
 Long-term exposure limit (8-hour TWA reference period): - ppm | 800 mg/m<sup>3</sup>  
 Short-term exposure limit (15-minute reference period): - ppm | - mg/m<sup>3</sup>

Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Be...  
 Long-term exposure limit (8-hour TWA reference period): - ppm | 1200 mg/m<sup>3</sup>  
 Short-term exposure limit (15-minute reference period): - ppm | - mg/m<sup>3</sup>

Tin compounds, organic, except Cyhexatin (ISO), (as Sn)  
 Long-term exposure limit (8-hour TWA reference period): - ppm | 0.1 mg/m<sup>3</sup>  
 Short-term exposure limit (15-minute reference period): - ppm | 0.2 mg/m<sup>3</sup>

Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics  
 Long-term exposure limit (8-hour TWA reference period): - ppm | 1200 mg/m<sup>3</sup>  
 Short-term exposure limit (15-minute reference period): - ppm | - mg/m<sup>3</sup>

Hydrocarbons, C12-C15, n-alkanes, isoalkanes < 2% aromatics  
 Long-term exposure limit (8-hour TWA reference period): - ppm | 1200 mg/m<sup>3</sup>  
 Short-term exposure limit (15-minute reference period): - ppm | - mg/m<sup>3</sup>

#### ▼ DNEL / PNEC

DNEL (2-methoxy-1-methylethyl acetate): 153,5 mg/kg bw  
 Exposure: Dermal  
 Duration of Exposure: Long term – Systemic effects - Workers

DNEL (2-methoxy-1-methylethyl acetate): 275 mg/m<sup>3</sup>  
 Exposure: Inhalation  
 Duration of Exposure: Long term – Systemic effects - Workers

DNEL (2-methoxy-1-methylethyl acetate): 54,8 mg/kg bw  
 Exposure: Dermal  
 Duration of Exposure: Long term – Systemic effects - General population

DNEL (2-methoxy-1-methylethyl acetate): 33 mg/m<sup>3</sup>  
 Exposure: Inhalation  
 Duration of Exposure: Long term – Systemic effects - General population

DNEL (2-methoxy-1-methylethyl acetate): 1,67 mg/kg bw  
 Exposure: Oral  
 Duration of Exposure: Long term – Systemic effects - General population

DNEL (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)): 330 mg/m<sup>3</sup>  
 Exposure: Inhalation  
 Duration of Exposure: Long term – Systemic effects - Workers

DNEL (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)): 44 mg/kg bw.  
 Exposure: Dermal  
 Duration of Exposure: Long term – Systemic effects - Workers

DNEL (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)): 71 mg/m<sup>3</sup>  
 Exposure: Inhalation  
 Duration of Exposure: Long term – Systemic effects - General population

DNEL (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)): 26 mg/kg bw  
 Exposure: Dermal  
 Duration of Exposure: Long term – Systemic effects - General population

DNEL (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)): 26 mg/kg bw  
 Exposure: Oral  
 Duration of Exposure: Long term – Systemic effects - General population

DNEL ((2-methoxymethylethoxy)propanol): 65 mg/kg/day  
 Exposure: Dermal  
 Duration of Exposure: Long term – Systemic effects - Workers

DNEL ((2-methoxymethylethoxy)propanol): 310 mg/m<sup>3</sup>  
 Exposure: Inhalation  
 Duration of Exposure: Long term – Systemic effects - Workers

DNEL ((2-methoxymethylethoxy)propanol): 15 mg/kg/day  
 Exposure: Dermal  
 Duration of Exposure: Long term – Systemic effects - General population

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DNEL ((2-methoxymethylethoxy)propanol): 37,2 mg/m<sup>3</sup>  
Exposure: Inhalation  
Duration of Exposure: Long term – Systemic effects - General population

DNEL ((2-methoxymethylethoxy)propanol): 1,67 mg/kg/day  
Exposure: Oral  
Duration of Exposure: Long term – Systemic effects - General population

PNEC (2-methoxy-1-methylethyl acetate): 0,635 mg/l  
Exposure: Freshwater

PNEC (2-methoxy-1-methylethyl acetate): 0,0635 mg/l  
Exposure: Marine water

PNEC (2-methoxy-1-methylethyl acetate): 6,35 mg/l  
Exposure: Intermittent release

PNEC (2-methoxy-1-methylethyl acetate): 100 mg/l  
Exposure: Activated Sludge Plant

PNEC (2-methoxy-1-methylethyl acetate): 3,29 mg/kg  
Exposure: Freshwater sediment

PNEC (2-methoxy-1-methylethyl acetate): 0,329 mg/kg  
Exposure: Marine water sediment

PNEC (2-methoxy-1-methylethyl acetate): 0,29 mg/kg  
Exposure: Soil

PNEC ((2-methoxymethylethoxy)propanol): 19 mg/l  
Exposure: Freshwater

PNEC ((2-methoxymethylethoxy)propanol): 1,9 mg/l  
Exposure: Marine water

PNEC ((2-methoxymethylethoxy)propanol): 70,2 mg/kg  
Exposure: Freshwater sediment

PNEC ((2-methoxymethylethoxy)propanol): 7,02 mg/kg  
Exposure: Marine water sediment

PNEC ((2-methoxymethylethoxy)propanol): 190 mg/l  
Exposure: Intermittent release

PNEC ((2-methoxymethylethoxy)propanol): 2,74 mg/kg  
Exposure: Soil

PNEC ((2-methoxymethylethoxy)propanol): 4168 mg/l  
Exposure: Sewage Treatment Plant

## 8.2. Exposure controls

Compliance with the accepted occupational exposure limits values should be controlled on a regular basis.

### General recommendations

Smoking, eating and drinking are not allowed in the work premises

### Exposure scenarios

In the event exposure scenarios are appended to the safety data sheet, the operational conditions and risk management measures in these shall be complied with.

### Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

### Appropriate technical measures

Airborne gas and dust concentrations must be kept at a minimum and below current limit values (see above). Installation of an exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure emergency eyewash and -showers are clearly marked.

### Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

### Measures to avoid environmental exposure

No specific requirements.

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### Individual protection measures, such as personal protective equipment



#### Generally

Use only CE marked protective equipment.

#### Respiratory Equipment

No specific requirements.

#### Skin protection

Wear appropriate protection clothing, e.g. coveralls in polypropylene or working clothes in cotton or polyester.

#### Hand protection

Recommended: Butyl rubber. Breakthrough time: > 60 minutes (Class 3)

#### Eye protection

Wear face shield alternatively safety glasses with side shields.

## SECTION 9: Physical and chemical properties

### ▼ 9.1. Information on basic physical and chemical properties

|                              |                    |
|------------------------------|--------------------|
| Form                         | Liquid             |
| Colour                       | Tan                |
| Odour                        | Characteristic     |
| Odour threshold (ppm)        | No data available. |
| pH                           | No data available. |
| Viscosity (40°C)             | 180 sec DIN3       |
| Density (g/cm <sup>3</sup> ) | 0,89               |

#### Phase changes

|   |                    |
|---|--------------------|
| Melting point (°C)                      | No data available. |
| Boiling point (°C)                      | 160                |
| Vapour pressure                         | No data available. |
| Decomposition temperature (°C)          | No data available. |
| Evaporation rate (n-butylacetate = 100) | No data available. |

### ▼ Data on fire and explosion hazards

|                          |                    |
|--------------------------|--------------------|
| Flash point (°C)         | > 61               |
| Ignition (°C)            | No data available. |
| Auto flammability (°C)   | No data available. |
| Explosion limits (% v/v) | No data available. |
| Explosive properties     | No data available. |

#### Solubility

|                             |                    |
|-----------------------------|--------------------|
| Solubility in water         | Insoluble          |
| n-octanol/water coefficient | No data available. |

### 9.2. Other information

|                         |                    |
|-------------------------|--------------------|
| Solubility in fat (g/L) | No data available. |
|-------------------------|--------------------|

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

The product is stable under the conditions, noted in the section "Handling and storage".

### 10.3. Possibility of hazardous reactions

Nothing special

### 10.4. Conditions to avoid

Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.

### 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

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## 10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### ▼ Acute toxicity

Substance: 2-methoxy-1-methylethyl acetate  
Species: Rat  
Test: LD50  
Route of exposure: Oral  
Result: > 5000 mg/kg bw

Substance: Phthalic anhydride  
Species: Rat  
Test: LD50  
Route of exposure: Oral  
Result: 1530 mg/kg

Substance: Siliciumdioxide, chemical prepared  
Species: Rabbit  
Test: LD50  
Route of exposure: Dermal  
Result: > 5000 mg/kg

Substance: Siliciumdioxide, chemical prepared  
Species: Rat  
Test: LC0  
Route of exposure: Inhalation  
Result: 0,139 mg/l/ (4 h)

Substance: Siliciumdioxide, chemical prepared  
Species: Rat  
Test: LD50  
Route of exposure: Oral  
Result: > 5000 mg/kg

Substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics  
Species: Rabbit  
Test: NOAEL  
Route of exposure: Dermal  
Result: 5 g/kg (no mortality)

Substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics  
Species: Rat  
Test: NOAEL  
Route of exposure: Oral  
Result: 5 g/kg (no mortality)

Substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics  
Species: Rat  
Test: NOAEL  
Route of exposure: Inhalation  
Result: 5,6 mg/l (no mortality)

Substance: Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)  
Species: Rabbit  
Test: NOAEL  
Route of exposure: Dermal  
Result: 5 g/kg (no mortality)

Substance: Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)  
Species: Rat  
Test: NOAEL  
Route of exposure: Oral  
Result: 5 g/kg (no mortality)

Substance: Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)  
Species: Rat  
Test: NOAEL  
Route of exposure: Inhalation



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Result: 5,6 mg/l (aerosol - 4h) (no mortality)

Substance: Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics  
Species: Rabbit  
Test: NOAEL  
Route of exposure: Dermal  
Result: 5000 mg/kg (no mortality)

Substance: Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics  
Species: Rat  
Test: NOAEL  
Route of exposure: Oral  
Result: 5000 mg/l (no mortality)

Substance: Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics  
Species: Rat  
Test: NOAEL  
Route of exposure: Inhalation  
Result: 5000 mg/kg (vapour 8h) no mortality

#### ▼ Skin corrosion/irritation

Data on substance: 2-methoxy-1-methylethyl acetate  
Test: OECD Guideline 404  
Organism: Rabbit  
Result: No Skin Irritation

Data on substance: Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)  
Test: OECD Guideline 404  
Organism: Rabbit  
Result: no Skin Irritation

Data on substance: Siliciumdioxide, chemical prepared  
Test: analogous OECD-method  
Organism: Rabbit  
Result: not irritation

Data on substance: (2-methoxymethylethoxy)propanol  
Test: OECD Guideline 404  
Organism: Rabbit  
Result: No irritation

Data on substance: Phthalic anhydride  
Test: OECD Guideline 404  
Organism: Rabbit  
Duration of Exposure: 4 h  
Result: Mild Skin Irritation

Data on substance: Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)  
Test: OECD Guideline 404  
Organism: Rabbit  
Duration of Exposure: 4 h  
Result: Moderate skinirritation

Data on substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics  
Test: OECD Guideline 404  
Organism: Rabbit  
Duration of Exposure: 4 h  
Result: Skin irritation

Data on substance: Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics  
Test: OECD Guideline 404  
Organism: Rabbit  
Result: Mild Skin Irritation

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### Serious eye damage/irritation

Data on substance: Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Test: OECD TG 405

Organism: Rabbit

Result: No Eye Irritation

Data on substance: Phthalic anhydride

Test: Draize test

Irritation Parameter: injury

Organism: Rabbit

Result: Severe Eye Irritation

Data on substance: Siliciumdioxide, chemical prepared

Test: analogous OECD-method

Organism: Rabbit

Result: not irritating

Data on substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics

Test: OECD TG 405

Organism: Rabbit

Result: No eye irritation

Data on substance: Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)

Test: OECD TG 405

Organism: Rabbit

Result: No Eye Irritation

Data on substance: Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics

Test: OECD TG 405

Organism: Rabbit

Result: No Eye Irritation

### Respiratory or skin sensitisation

Data on substance: Phthalic anhydride

Test: OECD Guideline 406

Organism: Guinea pig

Result: Skin Sensitisation This product contains substances that may trigger an allergic reaction to predisposed persons.

Sensitisation: This product contains substances, which may produce an allergic reaction through inhalation. The allergic reaction is typically taking place within an hour subsequent to exposure. The reaction results in an inflammatory reaction to the lungs.

### Germ cell mutagenicity

Data on substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics

Test: OECD Guideline 471

Result: inactive (Ames test in vitro)

No adverse effect observed.

Data on substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics

Test: OECD Guideline 473

Result: inactive (chromosome damage in mammalian cells)

No adverse effect observed.

Data on substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics

Test: OECD Guideline 476

Result: inactive (mammalian cells)

No adverse effect observed.

Data on substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics

Test: OECD Guideline 473

Result: inactive (mammalian cells)

According to EC-Regulation 2015/830

Data on substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics  
Test: OECD Guideline 474  
Result: inactive (in vivo micronucleus test)

Data on substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics  
Test: OECD Guideline 478  
Result: inactive (dominant lethal- test on rodents)

Data on substance: Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)  
Test: OECD Guideline 471  
Result: inactive (Ames test in vitro)  
No adverse effect observed.

Data on substance: Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)  
Test: OECD Guideline 476  
Result: inactive (mutation in mammalian cells)  
No adverse effect observed.

Data on substance: Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)  
Test: OECD Guideline 473  
Result: inactive (chromosome damage in mammalian cells)  
No adverse effect observed.

#### **Carcinogenicity**

Data on substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics  
Test: OECD Guideline 453  
Organism: Rat  
Result: NOAEL: 2,2 mg/l (kidney, inhalation of vapour)

Data on substance: Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics  
Test: OECD Guideline 453  
Organism: Rat  
Result: No Carcinogenicitet via inhalation

#### **Reproductive toxicity**

Data on substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics  
Test: OECD 422  
Organism: Rat  
Result: NOAEL (parental tox): 1000 mg/kg bw/dg  
No adverse effect observed.

Data on substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics  
Test: OECD 422  
Organism: Rat  
Result: NOAEL (Fertilitet): 1000 mg/kg bw/dg  
No adverse effect observed.

Data on substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics  
Test: OECD 422  
Organism: Rat  
Result: NOAEL (developtox) 1000 mg/kg bw/dg  
No adverse effect observed.

Data on substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics  
Test: OECD TG 414  
Organism: Rat  
Result: NOAEL (Develop tox): 5,2 mg/l (inhalation of vapour)  
No adverse effect observed.

Data on substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics

According to EC-Regulation 2015/830

Test: OECD TG 414  
Organism: Rat  
Result: NOAEL (Maternal tox): 5,2 mg/l (inhalation of vapour)  
No adverse effect observed.

Data on substance: Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)  
Test: OECD 422  
Organism: Rat  
Result: NOAEL (parental tox): 1000 mg/kg bw/dg  
No adverse effect observed.

Data on substance: Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)  
Test: OECD 422  
Organism: Rat  
Result: NOAEL (fertilitet): 1000 mg/kg bw/dg.  
No adverse effect observed.

Data on substance: Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)  
Test: OECD 422  
Organism: Rat  
Result: NOAEL (develop-tox): 1000 mg/kg bw/dg.  
No adverse effect observed.

Data on substance: Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)  
Test: OECD TG 414  
Organism: Rat  
Result: NOAEL (develop-tox): 5,2 mg/l (inhalation)  
No adverse effect observed.

Data on substance: Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)  
Test: OECD TG 414  
Organism: Rat  
Result: NOAEL (maternal tox): 5,2 mg/l (inhalation)  
No adverse effect observed.

Data on substance: Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics  
Test: OECD 416  
Organism: Rabbit  
Result: NOAEL (Parental toksicitet) 20000 mg/m<sup>3</sup> (inhallation)

Data on substance: Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics  
Test: OECD TG 414  
Organism: Rat  
Result: NOAEL (Maternal toksicitet) 23900 mg/m<sup>3</sup> (inhallation)

#### **STOT-single exposure**

Data on substance: Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics  
Organism: Human  
Target organ: Central nervous system  
Result: vapours may cause drowsiness and dizziness

#### **STOT-repeated exposure**

Data on substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics  
Test: OECD 408  
Duration of Exposure: 3 months  
Organism: Rat  
Result: NOAEL: 1000 mg/l bw/dg (oral)

Data on substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics  
Test: OECD 413  
Duration of Exposure: 3 months

According to EC-Regulation 2015/830

Organism: Rat  
Result: NOAEL: >1,16 mg/l (inhalation vapour)

Data on substance: Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)  
Test: OECD 408  
Duration of Exposure: 3 months  
Organism: Rat  
Result: NOAEL: 1000 mg/kg/jr (oral)

Data on substance: Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)  
Test: OECD 413  
Duration of Exposure: 3 months  
Organism: Rat  
Result: NOAEL: > 1,16 mg/l (inhalation of vapour)

Data on substance: Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics  
Test: OECD 408  
Duration of Exposure: 3 months  
Organism: Rat  
Result: NOAEL = 1402 mg/m<sup>3</sup>

Data on substance: Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics  
Test: OECD 408  
Duration of Exposure: 3 months  
Organism: Mouse  
Result: LOAEL = 9869 mg/m<sup>3</sup>

**Aspiration hazard**

No data available.

**▼ Long term effects**

Nothing special

## SECTION 12: Ecological information

### ▼ 12.1. Toxicity

Substance: (2-methoxymethylethoxy)propanol  
Species: Fish  
Test: LC50  
Duration: 96 h  
Result: 10000 mg/L

Substance: (2-methoxymethylethoxy)propanol  
Species: Daphnia  
Test: EC50  
Duration: 48 h  
Result: 1919 mg/L

Substance: (2-methoxymethylethoxy)propanol  
Species: Daphnia  
Test: NOEC  
Duration: 22 d  
Result: >= 0,5 mg/l

Substance: (2-methoxymethylethoxy)propanol  
Species: Algae  
Test: EC50  
Duration: 72 h  
Result: > 969 mg/l

Substance: Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)  
Species: Fish  
Test: LC50  
Duration: 96 h  
Result: 10-30 mg/l

Substance: Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

According to EC-Regulation 2015/830

Species: Daphnia  
Test: EC50  
Duration: 48 h  
Result: 10-22 mg/l

Substance: Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)  
Species: Algae  
Test: ErC50  
Duration: 72 h  
Result: 4,1 mg/l

Substance: Siliciumdioxide, chemical prepared  
Species: Fish  
Test: LC50  
Duration: 96 h  
Result: > 10000 mg/l

Substance: Siliciumdioxide, chemical prepared  
Species: Daphnia  
Test: EC50  
Duration: 24 h  
Result: > 1000 mg/l

Substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics  
Species: Fish  
Test: LC50  
Duration: 96 h  
Result: > 1000 mg/l

Substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics  
Species: Daphnia  
Test: EC50  
Duration: 48 h  
Result: > 1000 mg/l

Substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics  
Species: Algae  
Test: ErC50  
Duration: 72 h  
Result: > 1000 mg/l

Substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics  
Species: Bacteria  
Test: EC50  
Duration: 5 h  
Result: > 2 ml/l

Substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics  
Species: Daphnia  
Test: NOEC  
Duration: 21 d  
Result: > 1 mg/l

Substance: Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics  
Species: Algae  
Test: NOEC  
Duration: 72 h  
Result: 1000 kg/l

Substance: Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)  
Species: Fish  
Test: LC50  
Duration: 96 h  
Result: > 1000 mg/l

Substance: Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)  
Species: Daphnia  
Test: EC50  
Duration: 48 h  
Result: > 1000 mg/l

Substance: Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)  
Species: Algae  
Test: ErC50

According to EC-Regulation 2015/830

Duration: 72 h  
Result: > 1000 mg/l

Substance: Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)  
Species: Bacteria  
Test: EC50  
Duration: 5 h  
Result: > 2 ml/l

Substance: Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)  
Species: Daphnia  
Test: NOEC  
Duration: 21 d  
Result: > 1 mg/l

Substance: Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics (< 0,1% Benzen)  
Species: Algae  
Test: NOEC  
Duration: 72 d  
Result: 1000 mg/l

Substance: Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics  
Species: Fish  
Test: LC50  
Duration: 96 h.  
Result: > 1000 mg/l

Substance: Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics  
Species: Algae  
Test: ErC50  
Duration: 72 h.  
Result: > 1000 mg/l

Substance: Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics  
Species: Daphnia  
Test: LC50  
Duration: 48 h  
Result: > 1000 mg/l

Substance: Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics  
Species: Bacteria  
Test: EC50  
Duration: 5 h  
Result: > 2 ml/l

Substance: Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics  
Species: Algae  
Test: NOEC  
Duration: 72 h  
Result: 1000 mg/l

### ▼ 12.2. Persistence and degradability

| Substance                         | Biodegradability | Test                         | Result |
|-----------------------------------|------------------|------------------------------|--------|
| (2-methoxymethylethoxy)propano... | Yes              | Manometric Respirometry Test | 73     |
| 2-methoxy-1-methylethyl acetat... | Yes              | Manometric Respirometry Test | > 60   |
| Hydrocarbons, C11-C14, isoalka... | Yes              | Manometric Respirometry Test | 77,6%  |
| Hydrocarbons, C11-C13, isoalka... | No               | Manometric Respirometry Test | 31,3%  |
| Hydrocarbons, C11-C12, isoalka... | No               | Manometric Respirometry Test | 31,3%  |

### ▼ 12.3. Bioaccumulative potential

| Substance                         | Potential bioaccumulation | LogPow            | BCF               |
|-----------------------------------|---------------------------|-------------------|-------------------|
| (2-methoxymethylethoxy)propano... | No                        | 0,0043            | No data available |
| 2-methoxy-1-methylethyl acetat... | No                        | 1,2               | No data available |
| Hydrocarbons, C10-C13, n-alkan... | No                        | No data available | No data available |
| Siliciumdioxide, chemical prep... | No                        | No data available | No data available |
| Hydrocarbons, C11-C13, isoalka... | No                        | No data available | No data available |

### ▼ 12.4. Mobility in soil

(2-methoxymethylethoxy)propanol: Log Koc= 0,08180517, Calculated from LogPow (High mobility potential).

2-methoxy-1-methylethyl acetat...: Log Koc= 1,02868, Calculated from LogPow (High mobility potential.).

According to EC-Regulation 2015/830

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

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

#### 12.6. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which due to poor biodegradability, may cause adverse long-term effects to the aquatic environment,

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Product is not covered by regulations on dangerous waste.

##### Waste

##### EWC code

08 01 11

waste paint and varnish containing organic solvents or other dangerous substances

##### Specific labelling

-

##### Contaminated packing

No specific requirements.

### SECTION 14: Transport information

#### 14.1 – 14.4

Not dangerous goods according to ADR, IATA and IMDG.

##### ADR/RID

14.1. UN number -  
 14.2. UN proper shipping name -  
 14.3. Transport hazard class(es) -  
 14.4. Packing group -  
 Notes -  
 Tunnel restriction code -

##### IMDG

UN-no. -  
 Proper Shipping Name -  
 Class -  
 PG\* -  
 EmS -  
 MP\*\* -  
 Hazardous constituent -

##### IATA/ICAO

UN-no. -  
 Proper Shipping Name -  
 Class -  
 PG\* -

#### 14.5. Environmental hazards

-

#### 14.6. Special precautions for user

-

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

No data available

(\*) Packing group

(\*\*) Marine pollutant



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

People under the age of 18 shall not be exposed to this product cf. Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

**Demands for specific education**

-

**Additional information**

Not applicable

**Seveso**

-

**Sources**

Council Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding.

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC.

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677. The Stationery Office, 2002.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP).

EC regulation 1907/2006 (REACH).

**15.2. Chemical safety assessment**

No

**SECTION 16: Other information****▼ Full text of H-phrases as mentioned in section 3**

H226 - Flammable liquid and vapour.

H302 - Harmful if swallowed.

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.

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 - May cause respiratory irritation.

H336 - May cause drowsiness or dizziness.

H372 - Causes damage to organs through prolonged or repeated exposure.

H411 - Toxic to aquatic life with long lasting effects.

H413 - May cause long lasting harmful effects to aquatic life.

EUH066 - Repeated exposure may cause skin dryness or cracking.

**The full text of identified uses as mentioned in section 1**

-

**Additional label elements**

Not applicable

**Other**

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

According to EC-Regulation 2015/830

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

**The safety data sheet is validated by**

shcw/chymeia

**Date of last essential change  
(First cipher in SDS version)**

2017-07-20(7.0)

**Date of last minor change  
(Last cipher in SDS version)**

2017-07-20

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