

**MOBIHEL THINNER FOR BASE 3300**

|         |                |                       |                                 |
|---------|----------------|-----------------------|---------------------------------|
| Version | Revision Date: | SDS Number:           | Date of last issue: -           |
| 1.0     | 28.11.2023     | MAT000419463<br>JO/EN | Date of first issue: 28.11.2023 |

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name : MOBIHEL THINNER FOR BASE 3300  
Product code : 41946302

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

Use of the Sub-stance/Mixture : Coatings and paints, thinners, paint removers  
Recommended restrictions on use : Reserved for industrial and professional use.

**1.3 Details of the supplier of the safety data sheet**

Company : KANSAI HELIOS Slovenija d.o.o.  
Količevo 65  
1230 Domžale  
Slovenia  
Telephone Company : 386 (1) 722 4383  
Telefax Company : 386 (1) 722 4310  
Responsible/issuing person : 386 (1) 722 4383  
productsafety@kansai-helios.si

**1.4 Emergency telephone number**

Emergency telephone number: 911

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**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification (REGULATION (EC) No 1272/2008)**

|  |  |
|--|--|
| Flammable liquids, Category 3  | H226: Flammable liquid and vapour.                       |
| Specific target organ toxicity - single exposure, Category 3, Central nervous system | H336: May cause drowsiness or dizziness.                 |
| Aspiration hazard, Category 1  | H304: May be fatal if swallowed and enters airways.      |
| Long-term (chronic) aquatic hazard, Category 3                                       | H412: Harmful to aquatic life with long lasting effects. |

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## MOBIHEL THINNER FOR BASE 3300

Version 1.0      Revision Date: 28.11.2023      SDS Number: MAT000419463  
 Date of last issue: -  
 Date of first issue: 28.11.2023  
 JO/EN

## 2.2 Label elements

## Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

Hazard statements : H226 Flammable liquid and vapour.  
 H304 May be fatal if swallowed and enters airways.  
 H336 May cause drowsiness or dizziness.  
 H412 Harmful to aquatic life with long lasting effects.

Supplemental Hazard Statements : EUH066 Repeated exposure may cause skin dryness or cracking.

Precautionary statements : **Prevention:**  
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P261 Avoid breathing mist or vapours.  
 P273 Avoid release to the environment.

**Response:**  
 P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
 P331 Do NOT induce vomiting.  
 P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Hazardous components which must be listed on the label:

n-butyl acetate  
 hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclic, <2% aromatics  
 Hydrocarbons, C9 aromatics  
 reaction mixture of ethylbenzene, m-xylene and p-xylene

## 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

## 3.2 Mixtures

## Components

| Chemical name   | CAS-No.<br>EC-No.<br>Index-No.<br>Registration number | Classification     | Concentration<br>(% w/w) |
|-----------------|---|--------------------|--------------------------|
| n-butyl acetate | 123-86-4  | Flam. Liq. 3; H226 | >= 30 - < 50             |

## MOBIHEL THINNER FOR BASE 3300

Version  
1.0Revision Date:  
28.11.2023SDS Number:  
MAT000419463  
JO/ENDate of last issue: -  
Date of first issue: 28.11.2023

|  |   |  |               |
|--|---|--|---------------|
|  | 204-658-1<br>607-025-00-1<br>01-2119485493-29                 | STOT SE 3; H336<br>(Central nervous system)  |               |
| 2-butoxyethyl acetate  | 112-07-2<br><br>203-933-3<br>607-038-00-2<br>01-2119475112-47 | Acute Tox. 4; H302<br>Acute Tox. 4; H332<br>Acute Tox. 4; H312   | >= 20 - < 30  |
| hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclic, <2% aromatics | -<br><br>01-2119471843-32                                     | Flam. Liq. 3; H226<br>STOT SE 3; H336<br>(Central nervous system)<br>Asp. Tox. 1; H304<br>Aquatic Chronic 3; H412  | >= 10 - < 20  |
| Hydrocarbons, C9 aromatics   | -<br><br>918-668-5<br>01-2119455851-35                        | Flam. Liq. 3; H226<br>STOT SE 3; H336<br>(Central nervous system)<br>STOT SE 3; H335<br>(Respiratory system)<br>Asp. Tox. 1; H304<br>Aquatic Chronic 2; H411                                   | >= 2.5 - < 10 |
| reaction mixture of ethylbenzene, m-xylene and p-xylene            | -<br><br>905-562-9<br>01-2119555267-33                        | Flam. Liq. 3; H226<br>Acute Tox. 4; H332<br>Acute Tox. 4; H312<br>Skin Irrit. 2; H315<br>Eye Irrit. 2; H319<br>STOT SE 3; H335<br>(Respiratory system)<br>STOT RE 2; H373<br>Asp. Tox. 1; H304 | >= 1 - < 10   |
| Substances with a workplace exposure limit :                       |   |  |               |
| (2-methoxymethylethoxy)propanol                                    | 34590-94-8<br><br>252-104-2<br>01-2119450011-60               |  | >= 1 - < 10   |

## SECTION 4: First aid measures

## 4.1 Description of first aid measures

General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Symptoms of poisoning may appear several hours later.  
Do not leave the victim unattended.

**MOBIHEL THINNER FOR BASE 3300**

|         |                |                       |                                 |
|---------|----------------|-----------------------|---------------------------------|
| Version | Revision Date: | SDS Number:           | Date of last issue: -           |
| 1.0     | 28.11.2023     | MAT000419463<br>JO/EN | Date of first issue: 28.11.2023 |

---

- If inhaled : Consult a physician after significant exposure.  
If unconscious, place in recovery position and seek medical advice.
- In case of skin contact : If skin irritation persists, call a physician.  
If on skin, rinse well with water.  
If on clothes, remove clothes.
- In case of eye contact : Flush eyes with water as a precaution.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.  
Do NOT induce vomiting.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.  
Take victim immediately to hospital.

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

- Risks : May be fatal if swallowed and enters airways.  
May cause drowsiness or dizziness.  
Repeated exposure may cause skin dryness or cracking.

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

- Treatment : Treat symptomatically.
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**SECTION 5: Firefighting measures****5.1 Extinguishing media**

- Suitable extinguishing media : Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical
- Unsuitable extinguishing media : High volume water jet

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

- Specific hazards during fire-fighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : No hazardous combustion products are known

**5.3 Advice for firefighters**

- Special protective equipment : In the event of fire, wear self-contained breathing apparatus.

**MOBIHEL THINNER FOR BASE 3300**

|         |                |                       |                                 |
|---------|----------------|-----------------------|---------------------------------|
| Version | Revision Date: | SDS Number:           | Date of last issue: -           |
| 1.0     | 28.11.2023     | MAT000419463<br>JO/EN | Date of first issue: 28.11.2023 |

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for firefighters

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
For safety reasons in case of fire, cans should be stored separately in closed containments.  
Use a water spray to cool fully closed containers.

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

Personal precautions : Use personal protective equipment.  
Ensure adequate ventilation.  
Remove all sources of ignition.  
Evacuate personnel to safe areas.  
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

**6.2 Environmental precautions**

Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

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

Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

**6.4 Reference to other sections**

See sections: 7, 8, 11, 12 and 13.

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

Advice on safe handling : Avoid formation of aerosol.  
Do not breathe vapours/dust.  
Avoid exposure - obtain special instructions before use.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Take precautionary measures against static discharges.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Open drum carefully as content may be under pressure.  
Dispose of rinse water in accordance with local and national

## MOBIHEL THINNER FOR BASE 3300

Version 1.0      Revision Date: 28.11.2023      SDS Number: MAT000419463 JO/EN      Date of last issue: -  
Date of first issue: 28.11.2023

regulations.

Advice on protection against fire and explosion : Do not spray on a naked flame or any incandescent material. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Keep away from open flames, hot surfaces and sources of ignition.

Hygiene measures : When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

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

Requirements for storage areas and containers : No smoking. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

Further information on storage stability : No decomposition if stored and applied as directed.

### 7.3 Specific end use(s)

Specific use(s) : For further information, refer to the product technical data sheet.

Consult the technical guidelines for the use of this substance/mixture.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

| Components  | CAS-No.    | Value type (Form of exposure) | Control parameters               | Basis        |
|---|------------|-------------------------------|----------------------------------|--------------|
| n-butyl acetate   | 123-86-4   | STEL                          | 150 ppm<br>723 mg/m <sup>3</sup> | 2019/1831/EU |
|   |            | TWA                           | 50 ppm<br>241 mg/m <sup>3</sup>  | 2019/1831/EU |
| 2-butoxyethyl acetate                                   | 112-07-2   | TWA                           | 20 ppm<br>133 mg/m <sup>3</sup>  | 2000/39/EC   |
|   |            | STEL                          | 50 ppm<br>333 mg/m <sup>3</sup>  | 2000/39/EC   |
| (2-Methoxymethylethoxy)propanol                         | 34590-94-8 | TWA                           | 50 ppm<br>308 mg/m <sup>3</sup>  | 2000/39/EC   |
| reaction mixture of ethylbenzene, m-xylene and p-xylene | 1330-20-7  | TWA                           | 50 ppm<br>221 mg/m <sup>3</sup>  | 2000/39/EC   |
|   |            | STEL                          | 100 ppm                          | 2000/39/EC   |

## MOBIHEL THINNER FOR BASE 3300

Version  
1.0Revision Date:  
28.11.2023SDS Number:  
MAT000419463  
JO/ENDate of last issue: -  
Date of first issue: 28.11.2023442 mg/m<sup>3</sup>**Derived No Effect Level (DNEL)****according to Regulation (EC) No. 1907/2006:**

| Substance name   | End Use   | Exposure routes | Potential health effects   | Value                  |
|--|-----------|-----------------|----------------------------|------------------------|
| n-butyl acetate  | Workers   | Inhalation      | Acute systemic effects     | 600 mg/m <sup>3</sup>  |
|  | Workers   | Inhalation      | Acute local effects        | 600 mg/m <sup>3</sup>  |
|  | Workers   | Inhalation      | Long-term systemic effects | 48 mg/m <sup>3</sup>   |
|  | Workers   | Inhalation      | Long-term local effects    | 300 mg/m <sup>3</sup>  |
|  | Consumers | Inhalation      | Acute systemic effects     | 300 mg/m <sup>3</sup>  |
|  | Consumers | Inhalation      | Acute local effects        | 300 mg/m <sup>3</sup>  |
|  | Consumers | Inhalation      | Long-term systemic effects | 12 mg/m <sup>3</sup>   |
|  | Consumers | Inhalation      | Long-term local effects    | 35.7 mg/m <sup>3</sup> |
|  | Consumers | Dermal          | Long-term systemic effects | 3.4 mg/kg bw/day       |
|  | Consumers | Dermal          | Acute systemic effects     | 6 mg/kg bw/day         |
| 2-butoxyethyl acetate  | Consumers | Oral            | Long-term systemic effects | 2 mg/kg bw/day         |
|  | Consumers | Oral            | Acute systemic effects     | 2 mg/kg bw/day         |
|  | Workers   | Dermal          | Long-term systemic effects | 7 mg/kg bw/day         |
|  | Workers   | Dermal          | Acute systemic effects     | 11 mg/kg bw/day        |
|  | Workers   | Inhalation      | Long-term systemic effects | 333 mg/m <sup>3</sup>  |
|  | Consumers | Oral            | Long-term systemic effects | 86 mg/kg bw/day        |
|  | Workers   | Dermal          | Long-term systemic effects | 169 mg/kg bw/day       |
|  | Workers   | Dermal          | Acute systemic effects     | 120 mg/kg bw/day       |
|  | Consumers | Dermal          | Long-term systemic effects | 102 mg/kg bw/day       |
|  | Consumers | Dermal          | Acute systemic effects     | 72 mg/kg bw/day        |
| hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclic, <2% aromatics | Consumers | Oral            | Acute systemic effects     | 36 mg/kg bw/day        |
|  | Workers   | Inhalation      | Long-term systemic effects | 871 mg/m <sup>3</sup>  |
|  | Consumers | Inhalation      | Long-term systemic effects | 185 mg/m <sup>3</sup>  |

# SAFETY DATA SHEET



## MOBIHEL THINNER FOR BASE 3300

Version  
1.0

Revision Date:  
28.11.2023

SDS Number:  
MAT000419463  
JO/EN

Date of last issue: -  
Date of first issue: 28.11.2023

|   |           |            |                            |                  |
|---|-----------|------------|----------------------------|------------------|
|   | Workers   | Dermal     | Long-term systemic effects | 208 mg/kg bw/day |
|   | Consumers | Dermal     | Long-term systemic effects | 125 mg/kg bw/day |
|   | Consumers | Oral       | Long-term systemic effects | 125 mg/kg bw/day |
| Hydrocarbons, C9 aromatics                              | Workers   | Inhalation | Long-term systemic effects | 150 mg/m3        |
|   | Workers   | Oral       | Long-term systemic effects | 150 mg/m3        |
|   | Consumers | Inhalation | Long-term exposure         | 32 mg/m3         |
|   | Workers   | Dermal     | Long-term systemic effects | 25 mg/kg bw/day  |
|   | Consumers | Dermal     | Long-term systemic effects | 11 mg/kg bw/day  |
| (2-Methoxymethylethoxy)propanol                         | Workers   | Inhalation | Long-term systemic effects | 308 mg/m3        |
|   | Consumers | Inhalation | Long-term systemic effects | 37.2 mg/m3       |
|   | Workers   | Dermal     | Long-term systemic effects | 283 mg/kg bw/day |
|   | Consumers | Dermal     | Long-term systemic effects | 121 mg/kg bw/day |
|   | Consumers | Oral       | Long-term systemic effects | 36 mg/kg bw/day  |
| reaction mixture of ethylbenzene, m-xylene and p-xylene | Workers   | Inhalation | Long-term systemic effects | 77 mg/m3         |
|   | Consumers | Inhalation | Long-term local effects    | 65.3 mg/m3       |
|   | Workers   | Inhalation | Acute systemic effects     | 442 mg/m3        |
|   | Workers   | Inhalation | Acute local effects        | 289 mg/m3        |
|   | Consumers | Inhalation | Acute systemic effects     | 260 mg/m3        |
|   | Workers   | Inhalation | Long-term local effects    | 221 mg/m3        |
|   | Consumers | Inhalation | Long-term systemic effects | 14.8 mg/m3       |
|   | Consumers | Inhalation | Acute local effects        | 260 mg/m3        |
|   | Consumers | Dermal     | Long-term systemic effects | 108 mg/kg bw/day |
|   | Consumers | Oral       | Long-term systemic effects | 16 mg/kg bw/day  |
|   | Workers   | Dermal     | Long-term systemic effects | 180 mg/kg bw/day |

### Predicted No Effect Concentration (PNEC)

according to Regulation (EC) No. 1907/2006:

| Substance name  | Environmental Compartment | Value            |
|-----------------|---------------------------|------------------|
| n-butyl acetate | Soil                      | 0.0903 mg/kg dry |

## MOBIHEL THINNER FOR BASE 3300

Version  
1.0Revision Date:  
28.11.2023SDS Number:  
MAT000419463  
JO/ENDate of last issue: -  
Date of first issue: 28.11.2023

|   |                          |                                |
|---|--------------------------|--------------------------------|
|   |                          | weight (d.w.)                  |
|   | Marine water             | 0.018 mg/l                     |
|   | Fresh water              | 0.18 mg/l                      |
|   | Marine sediment          | 0.0981 mg/kg dry weight (d.w.) |
|   | Fresh water sediment     | 0.981 mg/kg dry weight (d.w.)  |
|   | Sewage treatment plant   | 35.6 mg/l                      |
|   | Intermittent use/release | 0.36 mg/l                      |
| 2-butoxyethyl acetate                                   | Soil                     | 0.415 mg/kg dry weight (d.w.)  |
|   | Marine water             | 0.0304 mg/l                    |
|   | Fresh water              | 0.304 mg/l                     |
|   | Marine sediment          | 0.203 mg/kg dry weight (d.w.)  |
|   | Fresh water sediment     | 2.03 mg/kg dry weight (d.w.)   |
|   | Sewage treatment plant   | 90 mg/l                        |
|   | Intermittent use/release | 0.56 mg/l                      |
| (2-Methoxymethylethoxy)propanol                         | Soil                     | 2.74 mg/kg dry weight (d.w.)   |
|   | Marine water             | 1.9 mg/l                       |
|   | Fresh water              | 19 mg/l                        |
|   | Marine sediment          | 7.02 mg/kg dry weight (d.w.)   |
|   | Fresh water sediment     | 70.2 mg/kg dry weight (d.w.)   |
|   | Sewage treatment plant   | 4168 mg/l                      |
|   | Intermittent use/release | 190 mg/l                       |
| reaction mixture of ethylbenzene, m-xylene and p-xylene | Soil                     | 2.31 mg/kg dry weight (d.w.)   |
|   | Marine water             | 0.327 mg/l                     |
|   | Fresh water              | 0.327 mg/l                     |
|   | Marine sediment          | 12.46 mg/kg dry weight (d.w.)  |
|   | Fresh water sediment     | 12.46 mg/kg dry weight (d.w.)  |
|   | Sewage treatment plant   | 6.58 mg/l                      |
|   | Intermittent use/release | 0.327 mg/l                     |

**8.2 Exposure controls****Personal protective equipment**

Eye/face protection : Equipment should conform to EN 166  
 Eye wash bottle with pure water  
 Tightly fitting safety goggles

Hand protection

Gloves : Viton® (> 0,6 mm; < 240 min); DIN EN374 |  
 PE laminate (> 0,1 mm; < 240 min); DIN EN374 |

## MOBIHEL THINNER FOR BASE 3300

|         |                |                       |                                 |
|---------|----------------|-----------------------|---------------------------------|
| Version | Revision Date: | SDS Number:           | Date of last issue: -           |
| 1.0     | 28.11.2023     | MAT000419463<br>JO/EN | Date of first issue: 28.11.2023 |

|                          |   |
|--------------------------|---|
| Remarks                  | : The suitability for a specific workplace should be discussed with the producers of the protective gloves.<br>Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. |
| Skin and body protection | : Impervious clothing<br>Choose body protection according to the amount and concentration of the dangerous substance at the work place.   |
| Respiratory protection   | : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.   |
| Filter type              | : Organic vapour type (A)   |

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|  |  |
|--|--|
| Appearance                                       | : liquid   |
| Colour   | : colourless   |
| Odour  | : solvent-like   |
| Odour Threshold                                  | : No data available  |
| pH   | : Not applicable   |
| Melting point/freezing point                     | : -83.0 °C<br>(calculation method (principal components, lowest value))  |
| Boiling point/boiling range                      | : 80 - 110 °C (calculation method (principal components, lowest value))  |
| Flash point                                      | : 26 °C  |
| Evaporation rate                                 | : No data available  |
| Flammability (solid, gas)                        | : Static-accumulating flammable liquid., Combustible Solids              |
| Upper explosion limit / Upper flammability limit | : 10.4 %(V) (calculation method (principal components, highest value))   |
| Lower explosion limit / Lower flammability limit | : 1.2 %(V) (calculation method (principal components, highest value))    |
| Vapour pressure                                  | : < 1,100 hPa (calculation method (principal components, highest value)) |

## MOBIHEL THINNER FOR BASE 3300

Version  
1.0Revision Date:  
28.11.2023SDS Number:  
MAT000419463  
JO/ENDate of last issue: -  
Date of first issue: 28.11.2023

|  |   |   |
|--|---|---|
|  |   | (50 °C)   |
| Relative vapour density                | : | 5.5 (calculation method (principal components, highest value))<br>(Air = 1.0)                           |
| Relative density                       | : | 0.91 (calculation method (principal components, highest value))   |
| Density                                | : | 0.866 g/cm <sup>3</sup>   |
| Solubility(ies)                        |   |   |
| Water solubility                       | : | immiscible, partly soluble  |
| Solubility in other solvents           | : | No data available   |
| Partition coefficient: n-octanol/water | : | log Pow: < 4 (calculation method (principal components, highest value))                                 |
| Auto-ignition temperature              | : | 270 °C (calculation method (principal components, highest value))                                       |
| Decomposition temperature              | : | No decomposition if used as directed.<br>Hazardous decomposition products formed under fire conditions. |
| Viscosity                              |   |   |
| Viscosity, kinematic                   | : | < 20.5 mm <sup>2</sup> /s (40 °C)   |
| Explosive properties                   | : | Not applicable  |
| Oxidizing properties                   | : | Sustains combustion   |

**9.2 Other information**

No data available

**SECTION 10: Stability and reactivity****10.1 Reactivity**

No decomposition if stored and applied as directed.

**10.2 Chemical stability**

No decomposition if stored and applied as directed.

**10.3 Possibility of hazardous reactions**

Hazardous reactions : No decomposition if stored and applied as directed.

Vapours may form explosive mixture with air.

**10.4 Conditions to avoid**

## MOBIHEL THINNER FOR BASE 3300

|         |                |                       |                                 |
|---------|----------------|-----------------------|---------------------------------|
| Version | Revision Date: | SDS Number:           | Date of last issue: -           |
| 1.0     | 28.11.2023     | MAT000419463<br>JO/EN | Date of first issue: 28.11.2023 |

Conditions to avoid : Heat, flames and sparks.

**10.5 Incompatible materials**

Materials to avoid : Incompatible with strong acids and bases.

**10.6 Hazardous decomposition products**

Adequate ventilation is required.  
Heating can release vapours which can be ignited.  
Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity**

Not classified based on available information.

**Product:**

Acute oral toxicity : Acute toxicity estimate: > 2,000 mg/kg  
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: > 20 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 2,000 mg/kg  
Method: Calculation method

**Components:****n-butyl acetate:**

Acute oral toxicity : LD50 Oral (Rat):  $\geq$  10,760 mg/kg

Acute dermal toxicity : LD50 (Rabbit):  $\geq$  5,000 mg/kg

**2-butoxyethyl acetate:**

Acute oral toxicity : Assessment: The component/mixture is moderately toxic after single ingestion.

LD50 Oral (Rat):  $\geq$  2,400 mg/kg

Acute inhalation toxicity : LC50 (Rat):  $\geq$  50 mg/l  
Exposure time: 2 h  
Test atmosphere: vapour

Acute dermal toxicity : Assessment: The component/mixture is moderately toxic after single contact with skin.

LD50 (Rabbit):  $\geq$  1,500 mg/kg

## MOBIHEL THINNER FOR BASE 3300

Version  
1.0Revision Date:  
28.11.2023SDS Number:  
MAT000419463  
JO/ENDate of last issue: -  
Date of first issue: 28.11.2023**Hydrocarbons, C9 aromatics:**

Acute dermal toxicity : LD50 (Rabbit): &gt; 3,160 mg/kg

**reaction mixture of ethylbenzene, m-xylene and p-xylene:**

Acute oral toxicity : LD50 Oral (Rat): &gt;= 8,700 mg/kg

Acute inhalation toxicity : LC50 (Rat): 27.14 mg/l  
Test atmosphere: vapour

Acute dermal toxicity : Assessment: The component/mixture is moderately toxic after single contact with skin.

**(2-Methoxymethylethoxy)propanol:**

Acute oral toxicity : Assessment: The substance or mixture has no acute oral toxicity

Acute inhalation toxicity : Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : Assessment: The substance or mixture has no acute dermal toxicity

**Skin corrosion/irritation**

Repeated exposure may cause skin dryness or cracking.

**Product:**

Remarks : May cause skin irritation and/or dermatitis.

**Components:****reaction mixture of ethylbenzene, m-xylene and p-xylene:**

Result : irritating

**Serious eye damage/eye irritation**

Not classified based on available information.

**Product:**

Remarks : Vapours may cause irritation to the eyes, respiratory system and the skin.

**Components:****reaction mixture of ethylbenzene, m-xylene and p-xylene:**

Result : Eye irritation

**Respiratory or skin sensitisation****Skin sensitisation**

Not classified based on available information.

## MOBIHEL THINNER FOR BASE 3300

Version  
1.0

Revision Date:  
28.11.2023

SDS Number:  
MAT000419463  
JO/EN

Date of last issue: -  
Date of first issue: 28.11.2023

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### **Respiratory sensitisation**

Not classified based on available information.

### **Germ cell mutagenicity**

Not classified based on available information.

### **Carcinogenicity**

Not classified based on available information.

### **Reproductive toxicity**

Not classified based on available information.

### **STOT - single exposure**

May cause drowsiness or dizziness.

### **Components:**

#### **n-butyl acetate:**

Assessment : May cause drowsiness or dizziness.

#### **hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclic, <2% aromatics:**

Assessment : May cause drowsiness or dizziness.

#### **Hydrocarbons, C9 aromatics:**

Assessment : May cause drowsiness or dizziness.

Assessment : May cause respiratory irritation.

#### **reaction mixture of ethylbenzene, m-xylene and p-xylene:**

Assessment : May cause respiratory irritation.

### **STOT - repeated exposure**

Not classified based on available information.

### **Components:**

#### **reaction mixture of ethylbenzene, m-xylene and p-xylene:**

Assessment : May cause damage to organs through prolonged or repeated exposure.

### **Aspiration toxicity**

May be fatal if swallowed and enters airways.

### **Components:**

#### **hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclic, <2% aromatics:**

May be fatal if swallowed and enters airways.

#### **Hydrocarbons, C9 aromatics:**

May be fatal if swallowed and enters airways.

**MOBIHEL THINNER FOR BASE 3300**Version  
1.0Revision Date:  
28.11.2023SDS Number:  
MAT000419463  
JO/ENDate of last issue: -  
Date of first issue: 28.11.2023**reaction mixture of ethylbenzene, m-xylene and p-xylene:**

May be fatal if swallowed and enters airways.

**Further information****Product:**

Remarks : Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.  
Concentrations substantially above the TLV value may cause narcotic effects.  
Solvents may degrease the skin.

**SECTION 12: Ecological information****12.1 Toxicity****Components:****n-butyl acetate:**

Toxicity to algae/aquatic plants : NOEC (Desmodesmus subspicatus (green algae)): > 200 mg/l  
EC50 (Desmodesmus subspicatus (green algae)): >= 647.7 mg/l  
Exposure time: 72 h

Toxicity to microorganisms : IC50 (Tetrahymena pyriformis): 356 mg/l  
Exposure time: 40 h

**2-butoxyethyl acetate:**

Toxicity to fish : LC50 (Fish): >= 31 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia (water flea)): >= 142.5 mg/l  
Exposure time: 48 h

Toxicity to microorganisms : EC50 (Bacteria): >= 2,800 mg/l

**hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclic, <2% aromatics:****Ecotoxicology Assessment**

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

**Hydrocarbons, C9 aromatics:**

Toxicity to fish : LC50 (Fish): >= 9.2 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): >= 3.2 mg/l  
Exposure time: 48 h

## MOBIHEL THINNER FOR BASE 3300

Version 1.0      Revision Date: 28.11.2023      SDS Number: MAT000419463 JO/EN      Date of last issue: -  
Date of first issue: 28.11.2023

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**Ecotoxicology Assessment**

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

**reaction mixture of ethylbenzene, m-xylene and p-xylene:**

Toxicity to fish : LC50 (Fish):  $\geq 1 - 10$  mg/l

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia (water flea)):  $\geq 1 - 10$  mg/l

Toxicity to microorganisms : EC50 (Bacteria):  $\geq 1 - 100$  mg/l

**12.2 Persistence and degradability****Components:****n-butyl acetate:**

Biodegradability : Result: Biodegradable  
Biodegradation: 83 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301D

Stability in water : Degradation half life: 78 d  
pH: 8  
Remarks: Hydrolyses slowly.

Photodegradation : Remarks: Decomposes rapidly in contact with light.

**2-butoxyethyl acetate:**

Biodegradability : Result: Biodegradable

**reaction mixture of ethylbenzene, m-xylene and p-xylene:**

Biodegradability : Remarks: Readily biodegradable.

Photodegradation : Remarks: Decomposes rapidly in contact with light.

**12.3 Bioaccumulative potential****Components:****n-butyl acetate:**

Bioaccumulation : Bioconcentration factor (BCF): 15  
Remarks: Bioaccumulation is unlikely.

Partition coefficient: n-octanol/water : log Pow: 1.81

**2-butoxyethyl acetate:**

Partition coefficient: n-octanol/water : log Pow: 1.51

## MOBIHEL THINNER FOR BASE 3300

|         |                |                       |                                 |
|---------|----------------|-----------------------|---------------------------------|
| Version | Revision Date: | SDS Number:           | Date of last issue: -           |
| 1.0     | 28.11.2023     | MAT000419463<br>JO/EN | Date of first issue: 28.11.2023 |

**Hydrocarbons, C9 aromatics:**

Partition coefficient: n-octanol/water : log Pow: < 4

**reaction mixture of ethylbenzene, m-xylene and p-xylene:**

Bioaccumulation : Bioconcentration factor (BCF): 25.9  
Remarks: Bioaccumulation is unlikely.

Partition coefficient: n-octanol/water : log Pow: 2.77 - 3.15

**(2-Methoxymethylethoxy)propanol:**

Partition coefficient: n-octanol/water : log Pow: -0.064

**12.4 Mobility in soil****Components:****Hydrocarbons, C9 aromatics:**

Mobility : Medium: Air  
Content: 92.9 %

: Medium: Water  
Content: 3.5 %

: Medium: Soil  
Content: 1.9 %

: Medium: Sediment  
Content: 1.8 %

Distribution among environmental compartments : Koc: 1.71 - 14.70  
Remarks: Mobile in soils

Remarks: The product is insoluble and floats on water.

**reaction mixture of ethylbenzene, m-xylene and p-xylene:**

Distribution among environmental compartments : Koc: 537, log Koc: 2.73  
Remarks: Moderately mobile in soils  
The product evaporates from soil.

Stability in soil : Dissipation time: 23 d  
Percentage dissipation: 50 % (DT50)

**12.5 Results of PBT and vPvB assessment****Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of

## MOBIHEL THINNER FOR BASE 3300

|         |                |                       |                                 |
|---------|----------------|-----------------------|---------------------------------|
| Version | Revision Date: | SDS Number:           | Date of last issue: -           |
| 1.0     | 28.11.2023     | MAT000419463<br>JO/EN | Date of first issue: 28.11.2023 |

0.1% or higher.

**12.6 Other adverse effects****Product:**

Endocrine disrupting potential : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Harmful to aquatic life with long lasting effects.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

Product : The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

**SECTION 14: Transport information****14.1 UN number**

ADN : UN 1263  
ADR : UN 1263  
RID : UN 1263  
IMDG : UN 1263  
IATA : UN 1263

**14.2 UN proper shipping name**

ADN : PAINT RELATED MATERIAL  
ADR : PAINT RELATED MATERIAL  
RID : PAINT RELATED MATERIAL  
IMDG : PAINT RELATED MATERIAL  
IATA : Paint related material



## MOBIHEL THINNER FOR BASE 3300

|         |                |                       |                                 |
|---------|----------------|-----------------------|---------------------------------|
| Version | Revision Date: | SDS Number:           | Date of last issue: -           |
| 1.0     | 28.11.2023     | MAT000419463<br>JO/EN | Date of first issue: 28.11.2023 |

Environmentally hazardous : no

**IMDG**

Marine pollutant : no

**14.6 Special precautions for user**

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

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

Not applicable for product as supplied.

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****15.2 Chemical safety assessment**

A Chemical Safety Assessment is not required for this substance.

**SECTION 16: Other information****Full text of H-Statements**

|      |  |
|------|--|
| H226 | : Flammable liquid and vapour.                                       |
| H302 | : Harmful if swallowed.  |
| H304 | : May be fatal if swallowed and enters airways.                      |
| H312 | : Harmful in contact with skin.                                      |
| H315 | : Causes skin irritation.  |
| H319 | : Causes serious eye irritation.                                     |
| H332 | : Harmful if inhaled.  |
| H335 | : May cause respiratory irritation.                                  |
| H336 | : May cause drowsiness or dizziness.                                 |
| H373 | : May cause damage to organs through prolonged or repeated exposure. |
| H411 | : Toxic to aquatic life with long lasting effects.                   |
| H412 | : Harmful to aquatic life with long lasting effects.                 |

**Full text of other abbreviations**

|                 |  |
|-----------------|--|
| Acute Tox.      | : Acute toxicity   |
| Aquatic Chronic | : Long-term (chronic) aquatic hazard   |
| Asp. Tox.       | : Aspiration hazard  |
| Eye Irrit.      | : Eye irritation   |
| Flam. Liq.      | : Flammable liquids  |
| Skin Irrit.     | : Skin irritation  |
| STOT RE         | : Specific target organ toxicity - repeated exposure   |
| STOT SE         | : Specific target organ toxicity - single exposure   |
| 2000/39/EC      | : Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values   |
| 2019/1831/EU    | : Europe. Commission Directive 2019/1831/EU establishing a fifth list of indicative occupational exposure limit values |

## MOBIHEL THINNER FOR BASE 3300

|         |                |                       |                                 |
|---------|----------------|-----------------------|---------------------------------|
| Version | Revision Date: | SDS Number:           | Date of last issue: -           |
| 1.0     | 28.11.2023     | MAT000419463<br>JO/EN | Date of first issue: 28.11.2023 |

|                     |   |                           |
|---------------------|---|---------------------------|
| 2000/39/EC / TWA    | : | Limit Value - eight hours |
| 2000/39/EC / STEL   | : | Short term exposure limit |
| 2019/1831/EU / TWA  | : | Limit Value - eight hours |
| 2019/1831/EU / STEL | : | Short term exposure limit |

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

**Further information****Classification of the mixture:**

|                   |      |
|-------------------|------|
| Flam. Liq. 3      | H226 |
| STOT SE 3         | H336 |
| Asp. Tox. 1       | H304 |
| Aquatic Chronic 3 | H412 |

**Classification procedure:**

|                                     |
|-------------------------------------|
| Based on product data or assessment |
| Calculation method                  |
| Calculation method                  |
| Calculation method                  |

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific

# SAFETY DATA SHEET



## MOBIHEL THINNER FOR BASE 3300

Version  
1.0

Revision Date:  
28.11.2023

SDS Number:  
MAT000419463  
JO/EN

Date of last issue: -  
Date of first issue: 28.11.2023

---

material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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