

## SAFETY DATA SHEET

According to REACH Regulation (EC) No  
1907/2006, as amended by UK REACH  
Regulations SI 2019/758



We create chemistry

### 68-SGD 23002 airl 10L 10L Steel drums

|         |                |                        |                                 |
|---------|----------------|------------------------|---------------------------------|
| Version | Revision Date: | SDS Number:            | Date of last issue: -           |
| 1.0     | 25.04.2025     | 000000000050795<br>891 | Date of first issue: 25.04.2025 |

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

### 1.1 Product identifier

Trade name : 68-SGD 23002 airl 10L 10L Steel drums 68-SGD 23002  
airl 10L 10L Steel drums

Product code : 000000000050795891

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

Use of the : Spraying  
Substance/Mixture Monocoat product

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

**Company:**

BASF Coatings GmbH  
Postfach 6123  
48136 Münster  
Deutschland

**Contact address:**

BASF plc  
4th and 5th Floors, 2 Stockport Exchange  
Railway Road, Stockport, SK1 3GG  
United Kingdom

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Telephone: +44 161 475 3000  
E-mail address: product-safety-uk-and-ireland@basf.com

#### 1.4 Emergency telephone

International emergency number:  
Telephone: +49 180 2273-112

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)**

|  |   |
|--|---|
| Flammable liquids, Category 3  | H226: Flammable liquid and vapor.               |
| Skin sensitization, Category 1   | H317: May cause an allergic skin reaction.      |
| Specific target organ toxicity - single exposure, Category 3, Central nervous system | H336: May cause drowsiness or dizziness.        |
| Long-term (chronic) aquatic hazard,  | H412: Harmful to aquatic life with long lasting |

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Category 3 effects.

#### 2.2 Label elements

Labeling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Hazard pictograms :



Signal Word : Warning

|                   |   |      |  |
|-------------------|---|------|--|
| Hazard Statements | : | H226 | Flammable liquid and vapor.                        |
|                   |   | H317 | May cause an allergic skin reaction.               |
|                   |   | H336 | May cause drowsiness or dizziness.                 |
|                   |   | H412 | Harmful to aquatic life with long lasting effects. |

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#### Precautionary Statements

#### Prevention:

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P261 Avoid breathing mist or vapors.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

#### Response:

- P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
- P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Hazardous ingredients which must be listed on the label:

Solvent naphtha (petroleum), light arom. (CAS EU: 128601-23-0)

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bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate

methyl methacrylate

2-hydroxyethyl methacrylate

Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

#### 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.

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

Chemical nature : acrylic resin

saturated polyester resin

pigment

organic solvent

organic acids

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**Components**

| Chemical name   | CAS-No.<br>EC-No.<br>Index-No.<br>Registration<br>number   | Classification   | Concentration (% w/w) |
|---|--|--|-----------------------|
| Solvent naphtha (petroleum),<br>light arom. (CAS EU: 128601-23-0) | 64742-95-6<br>918-668-5<br>UK-20-<br>0537843089-5-<br>0000 | Flam. Liq. 3; H226<br><br>STOT SE 3; H336<br><br>(Central nervous<br>system)<br><br>STOT SE 3; H335<br><br>(Respiratory<br>system)<br><br>Asp. Tox. 1; H304<br><br>Aquatic | >= 12.5 - < 15        |

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|                           |                         |                          |                |
|---------------------------|-------------------------|--------------------------|----------------|
|                           |                         | Chronic 2; H411          |                |
| n-Butyl acetate           | 123-86-4                | Flam. Liq. 3; H226       | >= 10 - < 12.5 |
|                           | 204-658-1               | STOT SE 3; H336          |                |
|                           | 607-025-00-1            | (Central nervous system) |                |
|                           | UK-20-9702550300-0-0000 |                          |                |
|                           | UK-20-0537843089-5-0000 |                          |                |
|                           | UK-20-9642318150-0-0000 |                          |                |
| 1-methoxy-2-propylacetate | 108-65-6                | Flam. Liq. 3; H226       | >= 5 - < 7     |
|                           | 203-603-9               | STOT SE 3; H336          |                |
|                           | 607-195-00-7            | (Central nervous system) |                |
|                           | UK-20-                  |                          |                |

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|                  |   |   |              |
|------------------|---|---|--------------|
|                  | 9702550300-0-0000<br><br>UK-20-0537843089-5-0000<br><br>UK-20-9642318150-0-0000 |   |              |
| 2-heptanone      | 110-43-0<br><br>203-767-1<br><br>606-024-00-3<br><br>UK-20-0537843089-5-0000    | Flam. Liq. 3; H226<br><br>Acute Tox. 4; H302<br><br>Acute Tox. 4; H332<br><br>STOT SE 3; H336<br><br>(Central nervous system) | >= 2 - < 2.5 |
| 2,4-pentanedione | 123-54-6  | Flam. Liq. 3; H226  | >= 1 - < 2   |



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|--|---|--|----------------|
|  | 204-634-0<br>606-029-00-0<br>UK-20-<br>0537843089-5-<br>0000                                      | Acute Tox. 4;<br>H302<br><br>Acute Tox. 3;<br>H331<br><br>Acute Tox. 3;<br>H311                                |                |
| bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate | 41556-26-7<br>255-437-1<br>UK-20-<br>0537843089-5-<br>0000<br><br>UK-20-<br>9642318150-0-<br>0000 | Skin Sens. 1A;<br>H317<br><br>Repr. 2; H361f<br><br>Aquatic Acute 1;<br>H400<br><br>Aquatic<br>Chronic 1; H410 | >= 0.3 - < 0.5 |
| methyl methacrylate                            | 80-62-6<br>201-297-1<br>607-035-00-6  | Flam. Liq. 2; H225<br><br>Skin Irrit. 2; H315<br><br>Skin Sens. 1B;  | >= 0.2 - < 0.3 |

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|                             |  |  |                |
|-----------------------------|--|--|----------------|
|                             | UK-20-<br>2749242067-7-<br>0000<br><br>UK-20-<br>9702550300-0-<br>0000<br><br>UK-20-<br>0537843089-5-<br>0000<br><br>UK-20-<br>9642318150-0-<br>0000 | H317<br><br>STOT SE 3; H335<br><br>(Respiratory<br>system) |                |
| 2-hydroxyethyl methacrylate | 868-77-9<br><br>212-782-2<br><br>607-124-00-X<br><br>UK-20-<br>0537843089-5-   | Eye Irrit. 2; H319<br><br>Skin Sens. 1B;<br>H317           | >= 0.2 - < 0.3 |

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|                       |   |  |                |
|-----------------------|---|--|----------------|
|                       | 0000<br>UK-20-<br>9642318150-0-<br>0000   |  |                |
| 4-methylpentan-2-one  | 108-10-1<br>203-550-1<br>606-004-00-4<br>UK-20-<br>0537843089-5-<br>0000<br>UK-20-<br>9642318150-0-<br>0000 | Flam. Liq. 2; H225<br><br>Acute Tox. 4;<br>H332<br><br>Eye Irrit. 2; H319<br><br>Carc. 2; H351<br><br>STOT SE 3; H335<br><br>(Respiratory<br>system)<br><br>STOT SE 3; H336<br><br>(Central nervous<br>system) | >= 0.2 - < 0.3 |
| Isodecyl methacrylate | 29964-84-9  | Skin Irrit. 2; H315  | >= 0.1 - < 0.2 |

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|   |   |  |                |
|---|---|--|----------------|
|   | 249-978-2<br>607-134-00-4<br>01-2119894925-17 | Eye Irrit. 2; H319<br>STOT SE 3; H335<br>(Respiratory<br>system)<br>Aquatic<br>Chronic 1; H410<br><br>specific<br>concentration<br>limit<br>STOT SE 3; H335<br>>= 10 % |                |
| Methyl 1,2,2,6,6-pentamethyl-4-<br>piperidyl sebacate | 82919-37-7<br>280-060-4<br>UK-20-             | Skin Sens. 1A;<br>H317<br>Repr. 2; H361f   | >= 0.1 - < 0.2 |

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|  |                                 |                            |  |
|--|---------------------------------|----------------------------|--|
|  | 0537843089-5-<br>0000           | Aquatic Acute 1;<br>H400   |  |
|  | UK-20-<br>9642318150-0-<br>0000 | Aquatic<br>Chronic 1; H410 |  |

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first-aid measures

General advice : First aid personnel should pay attention to their own safety.

If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Immediately remove contaminated clothing.

In all cases of doubt, or when symptoms persist, seek medical attention.

Move out of dangerous area.

Never give anything by mouth to an unconscious person.

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If inhaled : If symptoms persist, call a physician.  
If breathed in, move person into fresh air.  
If breathing is irregular or stopped, administer artificial respiration.

In case of skin contact : If symptoms persist, call a physician.  
Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.  
Do NOT use solvents or thinners.

In case of eye contact : If symptoms persist, call a physician.  
In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

If swallowed : If symptoms persist, call a physician.

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Do NOT induce vomiting.

Rinse mouth.

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

Symptoms : Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Risks : May cause an allergic skin reaction.  
May cause drowsiness or dizziness.

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

Treatment : No known specific antidote.  
Treat symptomatically.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

|                                 |   |                                   |
|---------------------------------|---|-----------------------------------|
| Suitable extinguishing<br>media | : | Water spray jet                   |
|                                 |   | Dry powder                        |
|                                 |   | Alcohol-resistant foam            |
|                                 |   | Carbon dioxide (CO <sub>2</sub> ) |

|                                   |   |                       |
|-----------------------------------|---|-----------------------|
| Unsuitable extinguishing<br>media | : | High volume water jet |
|-----------------------------------|---|-----------------------|

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

|  |   |   |
|--|---|---|
| Specific hazards during fire<br>fighting | : | Fire will produce dense black smoke containing<br>hazardous combustion products (see section 10). |
|--|---|---|

### 5.3 Advice for firefighters

|                    |   |  |
|--------------------|---|--|
| Special protective | : | Appropriate breathing apparatus may be required. |
|--------------------|---|--|



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equipment for fire-fighters

Further information : In the event of fire, cool tanks with water spray.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

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## SECTION 6: Accidental release measures

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

Personal precautions : Avoid breathing vapours.

Keep away from sources of ignition.

Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

For non-emergency personnel:

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For emergency responders:

Use personal protective equipment.

Ensure adequate ventilation, especially in confined areas.

#### 6.2 Environmental precautions

Environmental precautions : Do not allow uncontrolled discharge of product into the environment.

Avoid subsoil penetration.

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 : Ensure adequate ventilation.

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for

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disposal according to local / national regulations (see  
section 13).

#### 6.4 Reference to other sections

For disposal considerations see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Provide good ventilation of working area (local exhaust  
ventilation if necessary).

Do not return residues to the storage containers.

Smoking, eating and drinking are forbidden in  
application area. For personal protection see section 8.  
Comply with the health and safety at work laws.

When operators, whether spraying or not, have to work  
inside the spray booth, ventilation is unlikely to be  
sufficient to control particulates and solvent vapour in  
all cases. In such circumstances they should wear a  
compressed air-fed respirator during the spraying

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process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.

The workplace should be equipped with an emergency shower and eye-rinsing facility.

Avoid contact with the skin, eyes and clothing.

Handle in accordance with good industrial hygiene and safety practice.

Do not breathe vapors or spray mist.

Advice on protection against fire and explosion : Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. The relevant fire protection measures should be noted. Use explosion-proof equipment. Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air.

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Hygiene measures : Remove contaminated clothing immediately and dispose of safely. Wash hands before breaks and at the end of workday. Keep away from food, drink and animal feedingstuffs.

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

Further information on storage conditions : Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Keep in a dry, cool and well-ventilated place.

Advice on common storage : Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

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Packaging material : Suitable material: Stove-lacquer RDL 50, Stove-lacquer EHD0022, Stove-lacquer KNS L-5X, Stove-lacquer R 78433, Stove-lacquer 79/14/3 (Müller/CH), tinned carbon steel (Tinplate), Carbon steel (Iron), Stainless steel 1.4301 (V2), Stove-lacquer C222A/C221A, Standard interior paint, Stove-lacquer Vitalure 745, Stove-lacquer Valspar HXR008F red

#### 7.3 Specific end use(s)

Specific use(s) : Please refer to the technical leaflet for further information.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

| Components      | CAS-No.  | Value type<br>(Form of exposure) | Control parameters | Basis   |
|-----------------|----------|----------------------------------|--------------------|---------|
| n-Butyl acetate | 123-86-4 | TWA                              | 150 ppm            | GB EH40 |

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|                           |  |      |                      |                  |
|---------------------------|--|------|----------------------|------------------|
|                           |  |      | 724 mg/m3            |                  |
|                           |  | STEL | 200 ppm<br>966 mg/m3 | GB EH40          |
|                           |  | STEL | 150 ppm<br>723 mg/m3 | 2019/1831/<br>EU |
|                           | Further information: Indicative  |      |                      |                  |
|                           |  | TWA  | 50 ppm<br>241 mg/m3  | 2019/1831/<br>EU |
|                           | Further information: Indicative  |      |                      |                  |
| 1-methoxy-2-propylacetate | 108-65-6   | TWA  | 50 ppm<br>274 mg/m3  | GB EH40          |
|                           | Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity. |      |                      |                  |
|                           |  | STEL | 100 ppm              | GB EH40          |

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|             |  |      |                      |            |
|-------------|--|------|----------------------|------------|
|             |  |      | 548 mg/m3            |            |
|             | Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity. |      |                      |            |
|             |  | STEL | 100 ppm<br>550 mg/m3 | 2000/39/EC |
|             | Further information: Identifies the possibility of significant uptake through the skin, Indicative   |      |                      |            |
|             |  | TWA  | 50 ppm<br>275 mg/m3  | 2000/39/EC |
|             | Further information: Identifies the possibility of significant uptake through the skin, Indicative   |      |                      |            |
| 2-heptanone | 110-43-0   | STEL | 100 ppm<br>475 mg/m3 | GB EH40    |
|             | Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal  |      |                      |            |



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|                        |  |      |                      |            |
|------------------------|--|------|----------------------|------------|
|                        | absorption will lead to systemic toxicity.   |      |                      |            |
|                        |  | TWA  | 50 ppm<br>237 mg/m3  | GB EH40    |
|                        | Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity. |      |                      |            |
|                        |  | TWA  | 50 ppm<br>238 mg/m3  | 2000/39/EC |
|                        | Further information: Identifies the possibility of significant uptake through the skin, Indicative   |      |                      |            |
|                        |  | STEL | 100 ppm<br>475 mg/m3 | 2000/39/EC |
|                        | Further information: Identifies the possibility of significant uptake through the skin, Indicative   |      |                      |            |
| methyl<br>methacrylate | 80-62-6  | TWA  | 50 ppm               | GB EH40    |

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|                          |  |      |                                  |                 |
|--------------------------|--|------|----------------------------------|-----------------|
|                          |  |      | 208 mg/m <sup>3</sup>            |                 |
|                          |  | STEL | 100 ppm<br>416 mg/m <sup>3</sup> | GB EH40         |
|                          |  | TWA  | 50 ppm                           | 2009/161/E<br>U |
|                          | Further information: Indicative  |      |                                  |                 |
|                          |  | STEL | 100 ppm                          | 2009/161/E<br>U |
|                          | Further information: Indicative  |      |                                  |                 |
| 4-methylpentan-<br>2-one | 108-10-1   | STEL | 100 ppm<br>416 mg/m <sup>3</sup> | GB EH40         |
|                          | Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity. |      |                                  |                 |
|                          |  | TWA  | 50 ppm                           | GB EH40         |

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|  |  |      |                     |            |
|--|--|------|---------------------|------------|
|  |  |      | 208 mg/m3           |            |
|  | Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity. |      |                     |            |
|  |  | TWA  | 20 ppm<br>83 mg/m3  | 2000/39/EC |
|  | Further information: Indicative  |      |                     |            |
|  |  | STEL | 50 ppm<br>208 mg/m3 | 2000/39/EC |
|  | Further information: Indicative  |      |                     |            |

**Biological occupational exposure limits**

| Substance name       | CAS-No.  | Control parameters                    | Sampling time | Basis          |
|----------------------|----------|---------------------------------------|---------------|----------------|
| 4-methylpentan-2-one | 108-10-1 | 4-methylpentan-2-one: 20 micromol per | After shift   | GB EH40<br>BAT |

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|  |  |         |  |  |
|--|--|---------|--|--|
|  |  | litre   |  |  |
|  |  | (Urine) |  |  |

#### 8.2 Exposure controls

##### Engineering measures

Ensure adequate ventilation.

##### Personal protective equipment

Eye/face protection : Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Required when there is a risk of eye contact.

Hand protection

Remarks : Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g. nitrile gloves - material thickness: 0,35 mm Further information on penetration time is available from the manufacturer of the glove. Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the

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product components. The suitability for a specific workplace should be discussed with the producers of the protective gloves. Request information on glove permeation properties from the glove supplier. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Preventive skin protection Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1) Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1): Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Skin and body protection : chemical-resistant disposable coveralls

Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

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Respiratory protection : Suitable respiratory equipment:  
half-mask with A1P2 class combination filter

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

Protective measures : Do not breathe vapour/spray.

Eye wash fountains and safety showers must be easily accessible.

If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Avoid contact with the skin, eyes and clothing.

Handle in accordance with good industrial hygiene and safety practice.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|   |   |  |
|---|---|--|
| Appearance  | : | liquid   |
| Color   | : | red  |
| Odor  | : | ester-like   |
| Odor Threshold                                      | : | not determined                                       |
| pH  | : | substance/mixture is non-polar/aprotic               |
| Melting point/ range                                | : | not determined                                       |
| Boiling point/boiling range                         | : | not determined                                       |
| Flash point   | : | 25 °C<br>Method: ISO 3679                            |
| Evaporation rate                                    | : | not determined                                       |
| Lower explosion limit / Lower<br>flammability limit | : | > 35 g/m <sup>3</sup>                                |
| Vapor pressure                                      | : | not determined (20 °C)<br><br>not determined (50 °C) |

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|  |   |  |
|--|---|--|
| Relative vapor density                     | : | Heavier than air.  |
| Density                                    | : | 1.058 g/cm <sup>3</sup> (20 °C)                                    |
| Solubility(ies)                            |   |  |
| Water solubility                           | : | not determined   |
| Partition coefficient: n-<br>octanol/water | : | not applicable for mixtures  |
| Autoignition temperature                   | : | > 200 °C   |
| Decomposition temperature                  | : | No decomposition if stored and handled as<br>prescribed/indicated. |
| Viscosity                                  |   |  |
| Viscosity, kinematic                       | : | 269.0 mm <sup>2</sup> /s (23 °C)                                   |
|  |   | 150.0 mm <sup>2</sup> /s (40 °C)                                   |
| Flow time                                  | : | > 40 s at 23 °C  |
|  |   | Cross section: 6 mm  |
|  |   | Method: ISO 2431   |
| Explosive properties                       | : | Not explosive  |
| Oxidizing properties                       | : | The substance or mixture is not classified as oxidizing.           |

#### 9.2 Other information



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|                         |   |   |
|-------------------------|---|---|
| Flammability (liquids)  | : | Flammable liquid and vapour.                                |
| Self-heating substances | : | The substance or mixture is not classified as self heating. |
| Metal corrosion rate    | : | Not corrosive to metals.                                    |

---

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : Vapours may form ignitable mixture with air.

### 10.4 Conditions to avoid

Conditions to avoid : Avoid direct sunlight.  
Heat, flames and sparks.

### 10.5 Incompatible materials

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Materials to avoid : Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

#### 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

##### Acute toxicity

Based on available data, the classification criteria are not met.

##### 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: vapor

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Method: Calculation method

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

Method: Calculation method

#### Components:

##### **2-heptanone:**

Acute oral toxicity : LD50 (Rat): 1,600 mg/kg

Acute inhalation toxicity : LC50 (Rat): 16.7 mg/l  
Exposure time: 4 h

Test atmosphere: vapor

#### **Skin corrosion/irritation**

Based on available data, the classification criteria are not met.

#### Components:

##### **n-Butyl acetate:**

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Result : Repeated exposure may cause skin dryness or cracking.

#### **Serious eye damage/eye irritation**

Based on available data, the classification criteria are not met.

#### **Respiratory or skin sensitization**

##### **Skin sensitization**

May cause an allergic skin reaction.

##### **Respiratory sensitization**

Based on available data, the classification criteria are not met.

#### **Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

#### **Carcinogenicity**

Based on available data, the classification criteria are not met.

#### **Reproductive toxicity**

Based on available data, the classification criteria are not met.

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

May cause drowsiness or dizziness.

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

Based on available data, the classification criteria are not met.

#### **Aspiration toxicity**

Based on available data, the classification criteria are not met.

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## SECTION 12: Ecological information

### 12.1 Toxicity

No data available

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

#### Components:

**Solvent naphtha (petroleum), light arom. (CAS EU: 128601-23-0):**

Partition coefficient: n- : log Pow: 3.17

octanol/water

GLP: no

#### **n-Butyl acetate:**

Partition coefficient: n- : Pow: 200 (25 °C)

octanol/water

log Pow: 2.3 (25 °C)

pH: 7

Method: OECD Test Guideline 117

GLP: yes

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#### 1-methoxy-2-propylacetate:

Partition coefficient: n- : log Pow: 1.2 (20 °C)

octanol/water

pH: 6.8

Method: OECD Test Guideline 117

GLP: yes

#### 2-heptanone:

Partition coefficient: n- : log Pow: 2.26 (30 °C)

octanol/water

pH: 7

Method: Regulation (EC) No. 440/2008, Annex, A.8

GLP: yes

#### 2,4-pentanedione:

Partition coefficient: n- : log Pow: 0.4 (25 °C)

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octanol/water

Remarks: Information taken from reference works and  
the literature.

#### **bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate:**

Partition coefficient: n- : Remarks: No data available  
octanol/water

#### **methyl methacrylate:**

Partition coefficient: n- : log Pow: 1.38 (20 °C)  
octanol/water  
GLP: No information available.

#### **2-hydroxyethyl methacrylate:**

Partition coefficient: n- : log Pow: 0.42 (25 °C)  
octanol/water  
pH: 5.9 - 6.1  
Method: OECD Test Guideline 107  
GLP: yes

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#### 4-methylpentan-2-one:

Partition coefficient: n-  
octanol/water : Pow: 79 (20 °C)  
log Pow: 1.9 (20 °C)  
pH: 6.7  
Method: OECD Test Guideline 117  
GLP: no

#### Isodecyl methacrylate:

Partition coefficient: n-  
octanol/water : log Pow: 6.45 - 7.44 (ca. 22 °C)  
pH: 7  
Method: OECD Test Guideline 117  
GLP: no

#### Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate:



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Partition coefficient: n- : Remarks: No data available  
octanol/water

#### 12.4 Mobility in soil

No data available

#### 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 0.1% or higher.

#### 12.6 Other adverse effects

##### Product:

Endocrine disrupting : This substance/mixture does not contain components  
potential considered to have endocrine disrupting properties for  
environment according to UK REACH Article 57(f).

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

|                        |  |
|------------------------|--|
| Product                | : Do not discharge into drains/surface<br>waters/groundwater.<br><br>Observe national and local legal requirements.  |
| Contaminated packaging | : Containers which are not properly emptied must be<br>disposed pursuant to Directive 2008/98/EC<br><br>Packaging that is not properly emptied must be disposed<br>of as the unused product. |

---

## SECTION 14: Transport information

### 14.1 UN number

|     |           |
|-----|-----------|
| ADN | : UN 1263 |
|-----|-----------|

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ADR : UN 1263

RID : UN 1263

IMDG : UN 1263

IATA : UN 1263

#### 14.2 UN proper shipping name

ADN : PAINT

ADR : PAINT

RID : PAINT

IMDG : PAINT

IATA : PAINT

#### 14.3 Transport hazard class(es)

Class

Subsidiary risks

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**ADN** : 3

**ADR** : 3

**RID** : 3

**IMDG** : 3

**IATA** : 3

#### 14.4 Packing group

##### **ADN**

Packing group : III

Classification Code : F1

Hazard Identification  
Number : 30

Labels : 3

##### **ADR**

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|                                 |         |
|---------------------------------|---------|
| Packing group                   | : III   |
| Classification Code             | : F1    |
| Hazard Identification<br>Number | : 30    |
| Labels                          | : 3     |
| Tunnel restriction code         | : (D/E) |

#### RID

|                                 |       |
|---------------------------------|-------|
| Packing group                   | : III |
| Classification Code             | : F1  |
| Hazard Identification<br>Number | : 30  |
| Labels                          | : 3   |

#### IMDG

|               |       |
|---------------|-------|
| Packing group | : III |
| Labels        | : 3   |

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|         |                |                        |                                 |
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EmS Code : F-E, S-E

#### IATA (Cargo)

Packing instruction (cargo : 366  
aircraft)

Packing instruction (LQ) : Y344

Packing group : III

Labels : Flammable Liquids

#### IATA (Passenger)

Packing instruction : 355  
(passenger aircraft)

Packing instruction (LQ) : Y344

Packing group : III

Labels : Flammable liquid

#### 14.5 Environmental hazards

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#### ADN

Environmentally : no  
hazardous

#### ADR

Environmentally : no  
hazardous

#### RID

Environmentally : no  
hazardous

#### IMDG

Marine pollutant : no

#### 14.6 Special precautions for user

Remarks : ADR: Packages smaller than or equal to 450 liters, not  
goods/merchandise of Class 3

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.

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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

Relevant EU provisions transposed through retained EU law

UK REACH List of restrictions (Annex 17)

: Conditions of restriction for the  
following entries should be  
considered:

Number on list 3, 20

Number on list 3



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UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation : Not applicable

The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain) : Not applicable

Regulation (EC) on substances that deplete the ozone layer : Not applicable

UK REACH List of substances subject to authorisation (Annex XIV) : Not applicable

Control of Major Accident Hazards Regulations 2015 (COMAH) P5c FLAMMABLE LIQUIDS

34 Petroleum products: (a) gasolines and naphthas, (b) kerosenes (including jet fuels), (c) gas oils (including diesel fuels, home heating oils and gas oil blending streams), (d) heavy fuel oils (e) alternative fuels serving the same

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purposes and with similar  
properties as regards  
flammability and  
environmental hazards as the  
products referred to in points  
(a) to (d)

Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on  
industrial emissions (integrated pollution prevention and  
control)

Volatile organic compounds (VOC) content: 37.72 %

Volatile organic compounds (VOC) content: 399.07 g/l

VOC content excluding water

#### Other regulations:

Take note of The Management of Health and Safety at Work Regulations 1999

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(requirements relating to new and expectant mothers at work contained in Regulation 16 to 18) and of the Pregnant Workers Directive 92/85/EEC.

Take note of The Management of Health and Safety at Work Regulations 1999  
(requirements relating to protection of young people at work contained in Regulation 19) and of Directive 94/33/EC on the protection of young people at work.

Details relating to the VOC Directive 2004/42/EC:

Subcategory as indicated in Annex IIB:

d

Limit value for maximum VOC content as specified in Annex IIB:

420 g/l

VOC content of the ready-for-use product according to ISO 11890-2:

420 g/l

### 15.2 Chemical Safety Assessment

Assessment of safe use has been performed for the mixture and the result is documented in section 7 and 8 of the SDS

## SECTION 16: Other information

### Full text of H-Statements

|      |   |
|------|---|
| H225 | : Highly flammable liquid and vapor.            |
| H226 | : Flammable liquid and vapor.                   |
| H302 | : Harmful if swallowed.                         |
| H304 | : May be fatal if swallowed and enters airways. |
| H311 | : Toxic in contact with skin.                   |
| H315 | : Causes skin irritation.                       |

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|       |   |
|-------|---|
| H317  | : May cause an allergic skin reaction.                  |
| H319  | : Causes serious eye irritation.                        |
| H331  | : Toxic if inhaled.                                     |
| H332  | : Harmful if inhaled.                                   |
| H335  | : May cause respiratory irritation.                     |
| H336  | : May cause drowsiness or dizziness.                    |
| H351  | : Suspected of causing cancer.                          |
| H361f | : Suspected of damaging fertility.                      |
| H400  | : Very toxic to aquatic life.                           |
| H410  | : Very toxic to aquatic life with long lasting effects. |
| H411  | : Toxic to aquatic life with long lasting effects.      |

#### Full text of other abbreviations

|                 |  |
|-----------------|--|
| Acute Tox.      | : Acute toxicity   |
| Aquatic Acute   | : Short-term (acute) aquatic hazard  |
| Aquatic Chronic | : Long-term (chronic) aquatic hazard   |
| Asp. Tox.       | : Aspiration hazard  |
| Carc.           | : Carcinogenicity  |
| Eye Irrit.      | : Eye irritation   |
| Flam. Liq.      | : Flammable liquids  |
| Repr.           | : Reproductive toxicity  |
| Skin Irrit.     | : Skin irritation  |
| Skin Sens.      | : Skin sensitization   |
| 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     |
| 2009/161/EU     | : Europe. COMMISSION DIRECTIVE 2009/161/EU establishing a third list of indicative occupational exposure limit values in |

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|                     |   |
|---------------------|---|
|                     | implementation of Council Directive 98/24/EC and amending<br>Commission Directive 2000/39/EC                              |
| 2019/1831/EU        | : Europe. Commission Directive 2019/1831/EU establishing a<br>fifth list of indicative occupational exposure limit values |
| GB EH40             | : UK. EH40 WEL - Workplace Exposure Limits  |
| GB EH40 BAT         | : UK. Biological monitoring guidance values   |
| 2000/39/EC / TWA    | : Limit Value - eight hours   |
| 2000/39/EC / STEL   | : Short term exposure limit   |
| 2009/161/EU / TWA   | : Limit Value - eight hours   |
| 2009/161/EU / STEL  | : Short term exposure limit   |
| 2019/1831/EU / TWA  | : Limit Value - eight hours   |
| 2019/1831/EU / STEL | : Short term exposure limit   |
| GB EH40 / TWA       | : Long-term exposure limit (8-hour TWA reference period)  |
| GB EH40 / STEL      | : Short-term exposure limit (15-minute reference period)  |

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - 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

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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

Other information : For multi-pack systems observe material safety data sheets of all components.  
Restricted to professional users.

#### Classification of the mixture:

|                   |      |
|-------------------|------|
| Flam. Liq. 3      | H226 |
| Skin Sens. 1      | H317 |
| STOT SE 3         | H336 |
| Aquatic Chronic 3 | H412 |

#### Classification procedure:

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

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