

**P 2A85 SpeedFILLER Black 3L**

|         |                |                        |                                 |
|---------|----------------|------------------------|---------------------------------|
| Version | Revision Date: | SDS Number:            | Date of last issue: 20.01.2026  |
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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

|              |   |                             |
|--------------|---|-----------------------------|
| Trade name   | : | P 2A85 SpeedFILLER Black 3L |
| Product code | : | 000000002050007630          |

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

|                                   |   |                                           |
|-----------------------------------|---|-------------------------------------------|
| Use of the Sub-<br>stance/Mixture | : | Spraying<br>Coatings and related products |
|-----------------------------------|---|-------------------------------------------|

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

**Company:**  
BASF Coatings France SAS  
Z.I de Breuil-Le-Sec, Rue André Pommery  
60480 Breuil-Le-Sec  
France

Telephone: +33 3 4477-7777  
E-mail address: Product-Stewardship-EMEA@basf.com

**1.4 Emergency telephone**

Local: 080 001 4676 (english)  
International: +44 20 3885 0382 (multilingual)  
National emergency number: +27 11 203 2420

**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 vapor.                      |
| Specific target organ toxicity - single exposure, Category 3, Central nervous system | H336: May cause drowsiness or dizziness.               |
| Long-term (chronic) aquatic hazard, Category 2                                       | H411: Toxic to aquatic life with long lasting effects. |

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**2.2 Label elements****Labeling (REGULATION (EC) No 1272/2008)**

Hazard pictograms :



Signal Word : Warning

|                   |      |                                                  |
|-------------------|------|--------------------------------------------------|
| Hazard Statements | H226 | Flammable liquid and vapor.                      |
|                   | H336 | May cause drowsiness or dizziness.               |
|                   | H411 | Toxic to aquatic life with long lasting effects. |

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.                                                              |

**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.         |
| P391               | Collect spillage.                                                                            |

Hazardous ingredients which must be listed on the label:

n-Butyl acetate  
heptan-2-one

**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<br>Aldehyde/ketone resin<br>inorganic compounds<br>pigment<br>organic solvent<br>fillers |
|-----------------|----------------------------------------------------------------------------------------------------------|

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## 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<br>204-658-1<br>607-025-00-1<br>01-2119485493-29-0004<br>01-2119485493-29-0005 | Flam. Liq. 3; H226<br>STOT SE 3; H336<br>(Central nervous system)                                                                                                                                                                                                    | >= 15 - < 20             |
| zinc phosphate    | 7779-90-0<br>231-944-3<br>030-011-00-6<br>01-2119485044-40-0003                         | Aquatic Acute 1; H400<br>Aquatic Chronic 1; H410<br><br>M-Factor (Acute aquatic toxicity): 1<br>M-Factor (Chronic aquatic toxicity): 1                                                                                                                               | >= 7 - < 10              |
| heptan-2-one      | 110-43-0<br>203-767-1<br>606-024-00-3                                                   | Flam. Liq. 3; H226<br>Acute Tox. 4; H302<br>Acute Tox. 4; H332<br>STOT SE 3; H336<br>(Central nervous system)                                                                                                                                                        | >= 2 - < 2,5             |
| xylene            | 1330-20-7<br>215-535-7<br>601-022-00-9                                                  | 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>(Kidney, Liver, Central nervous system)<br>Asp. Tox. 1; H304<br>Aquatic Chronic 3; H412 | >= 1 - < 2               |
| pentane-2,4-dione | 123-54-6<br>204-634-0<br>606-029-00-0                                                   | Flam. Liq. 3; H226<br>Acute Tox. 4; H302<br>Acute Tox. 3; H331<br>Acute Tox. 3; H311                                                                                                                                                                                 | >= 0,5 - < 1             |
| zinc oxide        | 1314-13-2<br>215-222-5                                                                  | Aquatic Acute 1; H400                                                                                                                                                                                                                                                | >= 0,2 - < 0,25          |

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|  |              |                            |  |
|--|--------------|----------------------------|--|
|  | 030-013-00-7 | Aquatic Chronic 1;<br>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.<br>If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position).<br>Immediately remove contaminated clothing.<br>In all cases of doubt, or when symptoms persist, seek medical attention.<br>Move out of dangerous area.<br>Never give anything by mouth to an unconscious person. |
| If inhaled              | : If symptoms persist, call a physician.<br>If breathed in, move person into fresh air.<br>If breathing is irregular or stopped, administer artificial respiration.                                                                                                                                                                                                                                       |
| In case of skin contact | : If symptoms persist, call a physician.<br>Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.<br>Do NOT use solvents or thinners.                                                                                                                                                                                                                     |
| In case of eye contact  | : If symptoms persist, call a physician.<br>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.<br>Do NOT induce vomiting.<br>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 drowsiness or dizziness.                                                                                                                                                                |

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

- |           |                                                         |
|-----------|---------------------------------------------------------|
| Treatment | : No known specific antidote.<br>Treat symptomatically. |
|-----------|---------------------------------------------------------|

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**SECTION 5: Firefighting measures****5.1 Extinguishing media**

Suitable extinguishing media : Dry powder  
Carbon dioxide (CO<sub>2</sub>)  
Water spray  
Foam

Unsuitable extinguishing media : High volume water jet

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

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

Hazardous combustion products : Oxides of phosphorus

**5.3 Advice for firefighters**

Special protective equipment for fire-fighters : Appropriate breathing apparatus may be required.

Further information : Cool containers/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.  
For non-emergency personnel:  
Use personal protective equipment.  
Ensure adequate ventilation, especially in confined areas.  
Keep away from sources of ignition.  
For emergency responders:  
Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

**6.2 Environmental precautions**

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

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

**6.4 Reference to other sections**

For disposal considerations see section 13.

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

Advice on safe handling : Do not breathe vapors or spray mist.  
Handle in accordance with good industrial hygiene and safety practice.  
Avoid contact with the skin, eyes and clothing.  
The workplace should be equipped with an emergency shower and eye-rinsing facility.  
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 process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.  
Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws.  
Do not return residues to the storage containers.  
Provide good ventilation of working area (local exhaust ventilation if necessary).

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. Solvent vapors are heavier than air and spread along floors. Vapor forms explosive mixtures with air.

The relevant fire protection measures should be noted. Use explosion-proof equipment.

Hygiene measures : Remove contaminated clothing immediately and dispose of safely.

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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.

Packaging material : Suitable material: Carbon steel (Iron), tinned carbon steel (Tinplate)

**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 (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 |
|                 | Further information: Indicative                                                                     |                               |                                  |              |
|                 |                                                                                                     | TWA                           | 50 ppm<br>241 mg/m <sup>3</sup>  | 2019/1831/EU |
|                 | Further information: Indicative                                                                     |                               |                                  |              |
|                 |                                                                                                     | OEL-RL                        | 100 ppm                          | ZA OEL       |
|                 | Further information: Occupational Exposure Limits - Restricted Limits For Hazardous Chemical Agents |                               |                                  |              |
|                 |                                                                                                     | OEL- RL STEL/C                | 300 ppm                          | ZA OEL       |
|                 | Further information: Occupational Exposure Limits - Restricted Limits For Hazardous Chemical Agents |                               |                                  |              |
|                 |                                                                                                     | 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 |
| Barium sulfate  | 7727-43-7                                                                                           | OEL-RL (inhalable fraction)   | 10 mg/m <sup>3</sup>             | ZA OEL       |
|                 | Further information: Occupational Exposure Limits - Restricted Limits For Hazardous Chemical Agents |                               |                                  |              |
| heptan-2-one    | 110-43-0                                                                                            | TWA                           | 50 ppm                           | 2000/39/EC   |

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|            |                                                                                                                                     |                                            |                      |            |
|------------|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------|------------|
|            |                                                                                                                                     |                                            | 238 mg/m3            |            |
|            | 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                                  |                                            |                      |            |
|            |                                                                                                                                     | OEL-RL                                     | 100 ppm              | ZA OEL     |
|            | Further information: Occupational Exposure Limits - Restricted Limits For Hazardous Chemical Agents                                 |                                            |                      |            |
|            |                                                                                                                                     | TWA                                        | 50 ppm<br>238 mg/m3  | 2000/39/EC |
|            |                                                                                                                                     | STEL                                       | 100 ppm<br>475 mg/m3 | 2000/39/EC |
| talc       | 14807-96-6                                                                                                                          | OEL-RL (respirable dust fraction)          | 4 mg/m3              | ZA OEL     |
|            | Further information: Occupational Exposure Limits - Restricted Limits For Hazardous Chemical Agents                                 |                                            |                      |            |
| xylene     | 1330-20-7                                                                                                                           | TWA                                        | 50 ppm<br>221 mg/m3  | 2000/39/EC |
|            | Further information: Identifies the possibility of significant uptake through the skin, Indicative                                  |                                            |                      |            |
|            |                                                                                                                                     | STEL                                       | 100 ppm<br>442 mg/m3 | 2000/39/EC |
|            | Further information: Identifies the possibility of significant uptake through the skin, Indicative                                  |                                            |                      |            |
|            |                                                                                                                                     | OEL-RL                                     | 200 ppm              | ZA OEL     |
|            | Further information: danger of cutaneous absorption, Occupational Exposure Limits - Restricted Limits For Hazardous Chemical Agents |                                            |                      |            |
|            |                                                                                                                                     | OEL- RL STEL/C                             | 300 ppm              | ZA OEL     |
|            | Further information: danger of cutaneous absorption, Occupational Exposure Limits - Restricted Limits For Hazardous Chemical Agents |                                            |                      |            |
|            |                                                                                                                                     | TWA                                        | 50 ppm<br>221 mg/m3  | 2000/39/EC |
|            |                                                                                                                                     | STEL                                       | 100 ppm<br>442 mg/m3 | 2000/39/EC |
| zinc oxide | 1314-13-2                                                                                                                           | OEL-RL (respirable fraction, fume)         | 4 mg/m3              | ZA OEL     |
|            | Further information: Occupational Exposure Limits - Restricted Limits For Hazardous Chemical Agents                                 |                                            |                      |            |
|            |                                                                                                                                     | OEL- RL STEL/C (respirable fraction, fume) | 20 mg/m3             | ZA OEL     |
|            | Further information: Occupational Exposure Limits - Restricted Limits For Hazardous Chemical Agents                                 |                                            |                      |            |

## Biological occupational exposure limits

| Substance name | CAS-No. | Control parameters | Sampling time | Basis |
|----------------|---------|--------------------|---------------|-------|
|----------------|---------|--------------------|---------------|-------|

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|        |           |                                                  |              |        |
|--------|-----------|--------------------------------------------------|--------------|--------|
| xylene | 1330-20-7 | Methylhippuric acids: 1.5 g/g creatinine (Urine) | End of shift | ZA BEI |
|--------|-----------|--------------------------------------------------|--------------|--------|

**Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:**

| Substance name           | End Use   | Routes of exposure | Potential health effects   | Value      |
|--------------------------|-----------|--------------------|----------------------------|------------|
| Ethyl 3-ethoxypropionate | Workers   | Skin contact       | Long-term systemic effects | 102 mg/kg  |
|                          | Workers   | Inhalation         | Long-term systemic effects | 610 mg/m3  |
|                          | Workers   | Skin contact       | Long-term local effects    | 102 mg/cm2 |
|                          | Workers   | Inhalation         | Long-term local effects    | 610 mg/m3  |
|                          | Consumers | Skin contact       | Long-term systemic effects | 24,2 mg/kg |
|                          | Consumers | Inhalation         | Long-term systemic effects | 72,6 mg/m3 |
|                          | Consumers | Oral               | Long-term systemic effects | 1,2 mg/kg  |

**Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006**

| Substance name           | Environmental Compartment | Value       |
|--------------------------|---------------------------|-------------|
| Ethyl 3-ethoxypropionate | Sewage treatment plant    | 50 mg/l     |
|                          | Fresh water               | 0,061 mg/l  |
|                          | Sea water                 | 0,006 mg/l  |
|                          | Fresh water sediment      | 0,419 mg/kg |
|                          | Sea sediment              | 0,042 mg/kg |
|                          | Soil                      | 0,048 mg/kg |

**8.2 Exposure controls****Engineering measures**

Ensure adequate ventilation.

**Personal protective equipment**

- Eye/face protection : Required when there is a risk of eye contact.  
 Tightly fitting safety goggles (splash goggles) (e.g. EN 166)
- Hand protection : Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g. butyl rubber gloves - material thickness: 0.5 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 product components.  
 The suitability for a specific workplace should be discussed
- Remarks :

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- 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 : Anti-static protective clothing  
Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.
- Respiratory protection : Suitable respiratory equipment:  
half-mask with A1P2 class combination filter  
In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.  
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
- 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.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

- Physical state : liquid
- Form : liquid
- Color : black
- Odor : of acetate
- pH : substance/mixture is non-soluble (in water)

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|                                                  |   |                                                                 |
|--------------------------------------------------|---|-----------------------------------------------------------------|
| Melting point/freezing point                     | : | not determined                                                  |
| Boiling point/boiling range                      | : | 123,00 - 133,00 °C                                              |
| Flash point                                      | : | 23 °C<br>Method: ISO 3679                                       |
| Evaporation rate                                 | : | not determined                                                  |
| Flammability                                     | : | Flammable liquid and vapour.                                    |
| Sustained combustibility                         | : | Sustains combustibility: yes                                    |
| Upper explosion limit / Upper flammability limit | : | not determined                                                  |
| Lower explosion limit / Lower flammability limit | : | > 35,0 g/m <sup>3</sup>                                         |
| Vapor pressure                                   | : | 11,0 hPa (20 °C)<br>55,0 hPa (50 °C)                            |
| Density                                          | : | 1,471 g/cm <sup>3</sup> (20 °C)                                 |
| Solubility(ies)<br>Water solubility              | : | not determined                                                  |
| Partition coefficient: n-octanol/water           | : | not applicable for mixtures                                     |
| Autoignition temperature                         | : | > 200 °C                                                        |
| Decomposition temperature                        | : | No decomposition if stored and handled as prescribed/indicated. |
| Viscosity<br>Viscosity, kinematic                | : | 411,6 mm <sup>2</sup> /s (23 °C)<br>not determined (40 °C)      |
| Flow time                                        | : | > 60 s at 23 °C<br>Cross section: 6 mm<br>Method: ISO 2431      |
| Explosive properties                             | : | Not explosive                                                   |
| Oxidizing properties                             | : | The substance or mixture is not classified as oxidizing.        |

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**9.2 Other information**

Self-heating substances : The substance or mixture is not classified as self heating.

Metal corrosion rate : Not corrosive to metals.

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**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**

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.

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**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  
Method: Calculation method

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Acute dermal toxicity : Acute toxicity estimate: > 2.000 mg/kg  
Method: Calculation method

**Components:****heptan-2-one:**

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:**

Assessment : 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**

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

**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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**Product:**

No aspiration toxicity classification

**SECTION 12: Ecological information****12.1 Toxicity****Components:****zinc phosphate:**

M-Factor (Acute aquatic toxicity) : 1

M-Factor (Chronic aquatic toxicity) : 1

**12.2 Persistence and degradability**

No data available

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

Partition coefficient: n-octanol/water : Pow: 200 (25 °C)  
log Pow: 2,3 (25 °C)  
pH: 7  
Method: OECD Test Guideline 117  
GLP: yes

**heptan-2-one:**

Partition coefficient: n-octanol/water : log Pow: 2,26 (30 °C)  
pH: 7  
Method: Regulation (EC) No. 440/2008, Annex, A.8  
GLP: yes

**xylene:**

Partition coefficient: n-octanol/water : log Pow: 3,12 - 3,20 (25 °C)  
GLP: no  
Remarks: Information taken from reference works and the literature.

**pentane-2,4-dione:**

Partition coefficient: n-octanol/water : log Pow: 0,4 (25 °C)  
Remarks: Information taken from reference works and the literature.

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**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 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 : Avoid release to the environment.

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

Product : Do not discharge into drains/surface waters/groundwater. Observe national and local legal requirements.

Contaminated packaging : Containers which are not properly emptied must be disposed pursuant to Directive 2008/98/EC

Packaging that is not properly emptied must be disposed of as the unused product.

Waste Code : 08 01 11, waste paint and varnish containing organic solvents or other hazardous substances

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

UNRTDG : UN 1263

IMDG : UN 1263

IATA : UN 1263

**14.2 UN proper shipping name**

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|               |   |                                       |
|---------------|---|---------------------------------------|
| <b>UNRTDG</b> | : | PAINT                                 |
| <b>IMDG</b>   | : | PAINT<br>(ZINC PHOSPHATE, ZINC OXIDE) |
| <b>IATA</b>   | : | PAINT                                 |

**14.3 Transport hazard class(es)**

|               | Class | Subsidiary risks |
|---------------|-------|------------------|
| <b>UNRTDG</b> | : 3   |                  |
| <b>IMDG</b>   | : 3   |                  |
| <b>IATA</b>   | : 3   |                  |

**14.4 Packing group**

|                                          |   |                   |
|------------------------------------------|---|-------------------|
| <b>UNRTDG</b>                            |   |                   |
| Packing group                            | : | III               |
| Labels                                   | : | 3                 |
| <b>IMDG</b>                              |   |                   |
| Packing group                            | : | III               |
| Labels                                   | : | 3                 |
| EmS Code                                 | : | F-E, <u>S-E</u>   |
| <b>IATA (Cargo)</b>                      |   |                   |
| Packing instruction (cargo aircraft)     | : | 366               |
| Packing instruction (LQ)                 | : | Y344              |
| Packing group                            | : | III               |
| Labels                                   | : | Flammable Liquids |
| <b>IATA (Passenger)</b>                  |   |                   |
| Packing instruction (passenger aircraft) | : | 355               |
| Packing instruction (LQ)                 | : | Y344              |
| Packing group                            | : | III               |
| Labels                                   | : | Flammable liquid  |

**14.5 Environmental hazards**

|                           |       |
|---------------------------|-------|
| <b>UNRTDG</b>             |       |
| Environmentally hazardous | : yes |
| <b>IMDG</b>               |       |
| Marine pollutant          | : yes |

**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.

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**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**

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Conditions of restriction for the following entries should be considered:  
Number on list 3

Number on list 3

Number on list 20

Number on list 75

REACH - Candidate List of Substances of Very High Concern for Authorization (Article 59) : Not applicable

Regulation (EU) No 2024/590 on substances that deplete the ozone layer : Not applicable

Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not applicable

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

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. P5c FLAMMABLE LIQUIDS

E2 ENVIRONMENTAL HAZARDS

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

Volatile organic compounds (VOC) content: 26,58 %

Volatile organic compounds (VOC) content: 390,99 g/l  
VOC content excluding water

**Other regulations:**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Take note of Directive 92/85/EEC regarding maternity protection or stricter national regulations, where applicable.

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**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**

|      |   |                                                                    |
|------|---|--------------------------------------------------------------------|
| H226 | : | Flammable liquid and vapor.                                        |
| H302 | : | Harmful if swallowed.                                              |
| H304 | : | May be fatal if swallowed and enters airways.                      |
| H311 | : | Toxic in contact with skin.                                        |
| H312 | : | Harmful in contact with skin.                                      |
| H315 | : | Causes skin irritation.                                            |
| H319 | : | Causes serious eye irritation.                                     |
| H331 | : | Toxic if inhaled.                                                  |
| 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. |
| H400 | : | Very toxic to aquatic life.                                        |
| H410 | : | Very 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 Acute           | : | Short-term (acute) aquatic hazard                                                                                    |
| 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 |
| ZA BEI                  | : | South Africa. The Regulations for Hazardous Chemical Agents, Biological Exposure Indices                             |
| ZA OEL                  | : | South Africa. The Regulations for Hazardous Chemical Agents, Occupational Exposure Limits                            |
| 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                                                                                            |
| ZA OEL / OEL-RL         | : | Occupational Exposure Limit Restricted limit - 8- hour exposure or equivalent (12 hour shifts)                       |
| ZA OEL / OEL- RL STEL/C | : | Occupational Exposure Limit Restricted limit - Short term oc-                                                        |

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## cupational exposure limits / ceiling limits

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 Standardization; 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 Organization 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, Authorization 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 |
| STOT SE 3         | H336 |
| Aquatic Chronic 2 | H411 |

**Classification procedure:**

|                                     |
|-------------------------------------|
| Based on product data or assessment |
| 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 guide-

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ance 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 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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