



Trade name: Marabu do it High Gloss 482, 150 ml

Version: 4 / GB

Date revised: 15.08.2023

Substance number: 21073006482

Replaces Version: 3 / GB

Print date: 15.11.2024

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

### **1.1. Product identifier**

Marabu do it High Gloss 482, 150 ml

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

#### **Use of the substance/preparation**

Colour spray

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

#### **Address/Manufacturer**

Marabu GmbH & Co. KG

Asperger Strasse 4

71732 Tamm

Deutschland

Telephone no. +49-7141/691-0

Information provided by / telephone Department product safety

E-mail address of person responsible for this SDS PRSI@marabu.com

Information provided by / telephone Department product safety

E-mail address of person responsible for this SDS PRSI@marabu.com

### **1.4. Emergency telephone number**

(+49) (0)621-60-43333

## **SECTION 2: Hazards identification \*\*\***

### **2.1. Classification of the substance or mixture**

#### **Classification (Regulation (EC) No. 1272/2008)**

Classification (Regulation (EC) No. 1272/2008)

|      |              |      |
|------|--------------|------|
| H229 | Aerosol 1    | H222 |
|      | Eye Irrit. 2 | H319 |
|      | STOT SE 3    | H336 |

### **2.2. Label elements**

#### **Labelling according to regulation (EC) No 1272/2008**

#### **Hazard pictograms**

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### Signal word

Danger

### Hazard statements

H222 Extremely flammable aerosol.  
H229 Pressurized container: may burst if heated.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.

### Precautionary statements

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211 Do not spray on an open flame or other ignition source.  
P251 Do not pierce or burn, even after use.  
P264.1 Wash hands thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P405 Store locked up.  
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.  
P501.9 Dispose of contents/container as problematic waste.

### Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains Acetone; Ethyl acetate; n-Butyl acetate

### Supplemental information

EUH066 Repeated exposure may cause skin dryness or cracking.

### Further supplemental information

Without adequate ventilation, explosive atmosphere/gas mix may be created.

## 2.3. Other hazards

Pressurized container. At temperatures above 50 °C, deformation and explosion possible, resulting in serious physical injury. Vapours are heavier than air and may therefore form flammable and explosive mixtures with air, even at temperatures below 0 °C. Use in inadequately ventilated areas. Environments may cause breathing problems, drowsiness and, in severe cases, unconsciousness.

\*\*\*

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients



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**Acetone**

CAS No. 67-64-1  
 EINECS no. 200-662-2  
 Registration no. 01-2119471330-49  
 Concentration >= 10 < 20 %  
 Classification (Regulation (EC) No. 1272/2008)  
 Flam. Liq. 2 H225  
 Eye Irrit. 2 H319  
 STOT SE 3 H336

**Ethyl acetate**

CAS No. 141-78-6  
 EINECS no. 205-500-4  
 Registration no. 01-2119475103-46  
 Concentration >= 1 < 10 %  
 Classification (Regulation (EC) No. 1272/2008)  
 Flam. Liq. 2 H225  
 Eye Irrit. 2 H319  
 STOT SE 3 H336

**Xylene**

CAS No. 1330-20-7  
 EINECS no. 215-535-7  
 Registration no. 01-2119488216-32/01-2119486136-34  
 Concentration >= 1 < 10 %  
 Classification (Regulation (EC) No. 1272/2008)  
 Skin Irrit. 2 H315  
 Flam. Liq. 3 H226  
 Acute Tox. 4 H332  
 Acute Tox. 4 H312  
 Eye Irrit. 2 H319  
 STOT SE 3 H335  
 STOT RE 2 H373  
 Asp. Tox. 1 H304  
 Aquatic Chronic 3 H412

cATpE inhalative, Dust/Mist 1,5 mg/l

**n-Butyl acetate**

CAS No. 123-86-4  
 EINECS no. 204-658-1  
 Registration no. 01-2119485493-29  
 Concentration >= 1 < 10 %  
 Classification (Regulation (EC) No. 1272/2008)  
 Flam. Liq. 3 H226  
 STOT SE 3 H336

**SECTION 4: First aid measures**



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## 4.1. Description of first aid measures

### General information

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious place in recovery position and seek medical advice.

### After inhalation

Remove affected person from danger area. Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Summon a doctor immediately.

### After skin contact

Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners. Consult a doctor if skin irritation persists.

### After eye contact

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice. Take medical treatment.

### After ingestion

As the product is in a pressurised gas container, ingestion is not expected. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Keep at rest. Do NOT induce vomiting. Summon a doctor immediately.

### Adhere to personal protective measures when giving first aid

Use personal protective equipment in case of possible contact with the product (see section 8).

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

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. Further symptoms are possible.

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

### Hints for the physician / treatment

Treat symptomatically

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Alcohol resistant foam, CO<sub>2</sub>, powders, water spray/mist

#### Non suitable extinguishing media

water jet

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

In the event of fire the following can be released: Carbon monoxide (CO); Carbon dioxide (CO<sub>2</sub>); dense black smoke; Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required.

### 5.3. Advice for firefighters

#### Special protective equipment for fire-fighting

Use self-contained breathing apparatus. Wear full chemical protective clothing. Fire fighter's clothing must conform to European standard EN469.

#### Other information



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Cool endangered containers with water spray jet. Do not allow run-off from fire fighting to enter drains or water courses.

## **SECTION 6: Accidental release measures**

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

For non-emergency personnel: Keep away sources of ignition. Remove persons to safety. Ensure adequate ventilation. Keep away unprotected persons. Avoid contact with skin, eyes and clothing. Do not breathe gas/fumes/vapour/spray. For emergency responders: Wear personal protective equipment. Use breathing apparatus if exposed to vapours/dust/aerosol.

### **6.2. Environmental precautions**

Do not allow to enter drains or waterways. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

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

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent - avoid use of solvents.

### **6.4. Reference to other sections**

Information regarding personal protective measures, see Section 8. Information regarding waste disposal, see Section 13.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. Provide good ventilation of working area (local exhaust ventilation if necessary). In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. Operators should wear anti-static footwear and clothing and floors should be of the conducting type. Isolate from sources of heat, sparks and open flame. Avoid skin and eye contact. Avoid the inhalation of particulates and spray mist arising from the application of this mixture. Smoking, eating and drinking shall be prohibited in application area. For personal protection see Section 8. Comply with the health and safety at work laws. Do not allow to enter drains or water courses.

#### **Advice on protection against fire and explosion**

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Keep away from sources of ignition - No smoking. Take action to prevent static discharges. Do not spray on a naked flame or any incandescent material. Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. With conveying and handling possibility of electrostatic charges.

#### **Classification of fires / temperature class / Ignition group / Dust explosion class**

|                         |                     |
|-------------------------|---------------------|
| Classification of fires | C (Flammable gases) |
| Temperature class       | T2                  |

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

#### **Requirements for storage rooms and vessels**

Store in accordance with national regulation



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**Further information on storage conditions**

Observe label precautions. Keep in original containers. Keep container dry in a cool, well-ventilated place. Protect from direct sunlight. Protect from warmth. Keep away from sources of ignition. No smoking. Prevent unauthorised access.

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

Colour spray

**SECTION 8: Exposure controls/personal protection \*\*\***

**8.1. Control parameters**

**Exposure limit values**

**Acetone**

|                           |      |                   |      |        |
|---------------------------|------|-------------------|------|--------|
| List                      | EH40 |                   |      |        |
| Type                      | WEL  |                   |      |        |
| Value                     | 1210 | mg/m <sup>3</sup> | 500  | ppm(V) |
| Short term exposure limit | 3620 | mg/m <sup>3</sup> | 1500 | ppm(V) |
| Status:                   | 2011 |                   |      |        |

**Acetone**

|          |            |                   |     |        |
|----------|------------|-------------------|-----|--------|
| List     | EU         |                   |     |        |
| Value    | 1210       | mg/m <sup>3</sup> | 500 | ppm(V) |
| Remarks: | 2000/39/EG |                   |     |        |

**Ethyl acetate**

|                           |      |        |  |  |
|---------------------------|------|--------|--|--|
| List                      | EH40 |        |  |  |
| Type                      | WEL  |        |  |  |
| Value                     | 200  | ppm(V) |  |  |
| Short term exposure limit | 400  | ppm(V) |  |  |
| Status:                   | 2011 |        |  |  |

**Ethyl acetate**

|                           |               |                   |     |        |
|---------------------------|---------------|-------------------|-----|--------|
| List                      | EU            |                   |     |        |
| Value                     | 734           | mg/m <sup>3</sup> | 200 | ppm(V) |
| Short term exposure limit | 1468          | mg/m <sup>3</sup> | 400 | ppm(V) |
| Remarks:                  | (EU) 2017/164 |                   |     |        |

**Xylene**

|                                    |        |                   |     |        |
|------------------------------------|--------|-------------------|-----|--------|
| List                               | EH40   |                   |     |        |
| Type                               | WEL    |                   |     |        |
| Value                              | 220    | mg/m <sup>3</sup> | 50  | ppm(V) |
| Short term exposure limit          | 441    | mg/m <sup>3</sup> | 100 | ppm(V) |
| Skin resorption / sensibilisation: | Sk2005 |                   |     |        |

**Xylene**

|                                    |                         |                   |     |        |
|------------------------------------|-------------------------|-------------------|-----|--------|
| List                               | EU                      |                   |     |        |
| Value                              | 221                     | mg/m <sup>3</sup> | 50  | ppm(V) |
| Short term exposure limit          | 442                     | mg/m <sup>3</sup> | 100 | ppm(V) |
| Skin resorption / sensibilisation: | SkinRemarks: 2000/39/EG |                   |     |        |

**n-Butyl acetate**

|      |      |  |  |  |
|------|------|--|--|--|
| List | EH40 |  |  |  |
| Type | WEL  |  |  |  |

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|---------------------------|------|-------------------|-----|--------|
| Value                     | 724  | mg/m <sup>3</sup> | 150 | ppm(V) |
| Short term exposure limit | 966  | mg/m <sup>3</sup> | 200 | ppm(V) |
| Status:                   | 2011 |                   |     |        |

**n-Butyl acetate**

|                           |                |                   |     |        |
|---------------------------|----------------|-------------------|-----|--------|
| List                      | EU             |                   |     |        |
| Value                     | 241            | mg/m <sup>3</sup> | 50  | ppm(V) |
| Short term exposure limit | 723            | mg/m <sup>3</sup> | 150 | ppm(V) |
| Remarks:                  | (EU) 2019/1831 |                   |     |        |

**Ethyl benzene**

|                                    |        |                   |     |        |
|------------------------------------|--------|-------------------|-----|--------|
| List                               | EH40   |                   |     |        |
| Type                               | WEL    |                   |     |        |
| Value                              | 441    | mg/m <sup>3</sup> | 100 | ppm(V) |
| Short term exposure limit          | 552    | mg/m <sup>3</sup> | 125 | ppm(V) |
| Skin resorption / sensibilisation: | Sk2011 |                   |     |        |

**Ethyl benzene**

|                                    |                         |                   |     |        |
|------------------------------------|-------------------------|-------------------|-----|--------|
| List                               | EU                      |                   |     |        |
| Value                              | 442                     | mg/m <sup>3</sup> | 100 | ppm(V) |
| Short term exposure limit          | 884                     | mg/m <sup>3</sup> | 200 | ppm(V) |
| Skin resorption / sensibilisation: | SkinRemarks: 2000/39/EG |                   |     |        |

**Derived No/Minimal Effect Levels (DNEL/DMEL) \*\*\***

**Acetone**

|                      |                                |  |         |
|----------------------|--------------------------------|--|---------|
| Type of value        | Derived No Effect Level (DNEL) |  |         |
| Reference group      | Worker                         |  |         |
| Duration of exposure | Long term                      |  |         |
| Route of exposure    | dermal                         |  |         |
| Concentration        | 186                            |  | mg/kg/d |

|                      |                                |  |                   |
|----------------------|--------------------------------|--|-------------------|
| Type of value        | Derived No Effect Level (DNEL) |  |                   |
| Reference group      | Worker                         |  |                   |
| Duration of exposure | Short term                     |  |                   |
| Route of exposure    | inhalative                     |  |                   |
| Concentration        | 2420                           |  | mg/m <sup>3</sup> |

|                      |                                |  |                   |
|----------------------|--------------------------------|--|-------------------|
| Type of value        | Derived No Effect Level (DNEL) |  |                   |
| Reference group      | Worker                         |  |                   |
| Duration of exposure | Long term                      |  |                   |
| Route of exposure    | inhalative                     |  |                   |
| Concentration        | 1210                           |  | mg/m <sup>3</sup> |

|                      |                                |  |         |
|----------------------|--------------------------------|--|---------|
| Type of value        | Derived No Effect Level (DNEL) |  |         |
| Reference group      | Consumer                       |  |         |
| Duration of exposure | Long term                      |  |         |
| Route of exposure    | oral                           |  |         |
| Concentration        | 62                             |  | mg/kg/d |

|               |                                |  |  |
|---------------|--------------------------------|--|--|
| Type of value | Derived No Effect Level (DNEL) |  |  |
|---------------|--------------------------------|--|--|

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|                      |           |         |
|----------------------|-----------|---------|
| Reference group      | Consumer  |         |
| Duration of exposure | Long term |         |
| Concentration        | 62        | mg/kg/d |

|                      |                                |                   |
|----------------------|--------------------------------|-------------------|
| Type of value        | Derived No Effect Level (DNEL) |                   |
| Reference group      | Consumer                       |                   |
| Duration of exposure | Long term                      |                   |
| Route of exposure    | inhalative                     |                   |
| Concentration        | 200                            | mg/m <sup>3</sup> |

**Ethyl acetate**

|                      |                                |                   |
|----------------------|--------------------------------|-------------------|
| Type of value        | Derived No Effect Level (DNEL) |                   |
| Reference group      | Worker                         |                   |
| Duration of exposure | Acute                          |                   |
| Route of exposure    | inhalative                     |                   |
| Concentration        | 1468                           | mg/m <sup>3</sup> |

|                      |                                |                  |
|----------------------|--------------------------------|------------------|
| Type of value        | Derived No Effect Level (DNEL) |                  |
| Reference group      | Worker                         |                  |
| Duration of exposure | Acute                          |                  |
| Route of exposure    | inhalative                     |                  |
| Mode of action       | Local effects                  |                  |
| Concentration        | 1468                           | g/m <sup>3</sup> |

|                   |                                |       |
|-------------------|--------------------------------|-------|
| Type of value     | Derived No Effect Level (DNEL) |       |
| Reference group   | Worker                         |       |
| Route of exposure | dermal                         |       |
| Mode of action    | Chronic effects                |       |
| Concentration     | 63                             | mg/kg |

|                   |                                |                   |
|-------------------|--------------------------------|-------------------|
| Type of value     | Derived No Effect Level (DNEL) |                   |
| Reference group   | Worker                         |                   |
| Route of exposure | inhalative                     |                   |
| Mode of action    | Chronic effects                |                   |
| Concentration     | 734                            | mg/m <sup>3</sup> |

|                   |                                |                   |
|-------------------|--------------------------------|-------------------|
| Type of value     | Derived No Effect Level (DNEL) |                   |
| Reference group   | Worker                         |                   |
| Route of exposure | inhalative                     |                   |
| Mode of action    | Chronic effects                |                   |
| Concentration     | 734                            | mg/m <sup>3</sup> |

|                   |                                |                   |
|-------------------|--------------------------------|-------------------|
| Type of value     | Derived No Effect Level (DNEL) |                   |
| Reference group   | Consumer                       |                   |
| Route of exposure | inhalative                     |                   |
| Mode of action    | Acute effects                  |                   |
| Concentration     | 734                            | mg/m <sup>3</sup> |



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Type of value Derived No Effect Level (DNEL)  
 Reference group Consumer  
 Route of exposure inhalative  
 Mode of action Local effects  
 Concentration 734 mg/m<sup>3</sup>

Type of value Derived No Effect Level (DNEL)  
 Reference group Consumer  
 Route of exposure dermal  
 Mode of action Chronic effects  
 Concentration 37 mg/kg

Type of value Derived No Effect Level (DNEL)  
 Reference group Consumer  
 Route of exposure inhalative  
 Mode of action Chronic effects  
 Concentration 367 mg/m<sup>3</sup>

Type of value Derived No Effect Level (DNEL)  
 Reference group Consumer  
 Route of exposure oral  
 Mode of action Chronic effects  
 Concentration 4,5 mg/m<sup>3</sup>

Type of value Derived No Effect Level (DNEL)  
 Reference group Consumer  
 Route of exposure inhalative  
 Mode of action Local effects  
 Concentration 367 mg/m<sup>3</sup>

**Xylene**

Type of value Derived No Effect Level (DNEL)  
 Reference group Worker  
 Duration of exposure Long term  
 Route of exposure inhalative  
 Mode of action Systemic effects  
 Concentration 221 mg/m<sup>3</sup>

Type of value Derived No Effect Level (DNEL)  
 Reference group Worker  
 Duration of exposure Short term  
 Route of exposure inhalative  
 Mode of action Systemic effects  
 Concentration 442 mg/m<sup>3</sup>

Type of value Derived No Effect Level (DNEL)  
 Reference group Worker  
 Duration of exposure Long term

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Route of exposure inhalative  
 Mode of action Local effects  
 Concentration 221 mg/m<sup>3</sup>

Type of value Derived No Effect Level (DNEL)  
 Reference group Worker  
 Duration of exposure Short term  
 Route of exposure inhalative  
 Mode of action Local effects  
 Concentration 442 mg/m<sup>3</sup>

Type of value Derived No Effect Level (DNEL)  
 Reference group Worker  
 Duration of exposure Long term  
 Route of exposure dermal  
 Mode of action Systemic effects  
 Concentration 212 mg/kg/d

Type of value Derived No Effect Level (DNEL)  
 Reference group Consumer  
 Duration of exposure Long term  
 Route of exposure inhalative  
 Mode of action Systemic effects  
 Concentration 65,3 mg/m<sup>3</sup>

Type of value Derived No Effect Level (DNEL)  
 Reference group Consumer  
 Duration of exposure Short term  
 Route of exposure inhalative  
 Mode of action Systemic effects  
 Concentration 260 mg/m<sup>3</sup>

Type of value Derived No Effect Level (DNEL)  
 Reference group Consumer  
 Duration of exposure Long term  
 Route of exposure inhalative  
 Mode of action Local effects  
 Concentration 65,3 mg/m<sup>3</sup>

Type of value Derived No Effect Level (DNEL)  
 Reference group Consumer  
 Duration of exposure Short term  
 Route of exposure inhalative  
 Mode of action Local effects  
 Concentration 260 mg/m<sup>3</sup>

Type of value Derived No Effect Level (DNEL)  
 Reference group Consumer

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Duration of exposure Long term  
 Route of exposure dermal  
 Mode of action Systemic effects  
 Concentration 125 mg/kg/d

Type of value Derived No Effect Level (DNEL)  
 Reference group Consumer  
 Duration of exposure Long term  
 Route of exposure oral  
 Mode of action Systemic effects  
 Concentration 12,5 mg/kg/d

**n-Butyl acetate**

Type of value Derived No Effect Level (DNEL)  
 Reference group Worker  
 Duration of exposure Short term  
 Route of exposure inhalative  
 Mode of action Systemic effects  
 Concentration 600 mg/m<sup>3</sup>

Type of value Derived No Effect Level (DNEL)  
 Reference group Worker  
 Duration of exposure Short term  
 Route of exposure inhalative  
 Mode of action Local effects  
 Concentration 600 mg/m<sup>3</sup>

Type of value Derived No Effect Level (DNEL)  
 Reference group Worker  
 Duration of exposure Long term  
 Route of exposure inhalative  
 Mode of action Systemic effects  
 Concentration 300 mg/m<sup>3</sup>

Type of value Derived No Effect Level (DNEL)  
 Reference group Worker  
 Duration of exposure Long term  
 Route of exposure inhalative  
 Mode of action Local effects  
 Concentration 300 mg/m<sup>3</sup>

Type of value Derived No Effect Level (DNEL)  
 Reference group Consumer  
 Duration of exposure Short term  
 Route of exposure inhalative  
 Mode of action Systemic effects  
 Concentration 300 mg/m<sup>3</sup>

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Type of value Derived No Effect Level (DNEL)  
 Reference group Consumer  
 Duration of exposure Short term  
 Route of exposure inhalative  
 Mode of action Local effects  
 Concentration 300 mg/m<sup>3</sup>

Type of value Derived No Effect Level (DNEL)  
 Reference group Consumer  
 Duration of exposure Long term  
 Route of exposure inhalative  
 Mode of action Systemic effects  
 Concentration 35,7 mg/m<sup>3</sup>

Type of value Derived No Effect Level (DNEL)  
 Reference group Consumer  
 Duration of exposure Long term  
 Route of exposure inhalative  
 Mode of action Local effects  
 Concentration 35,7 mg/m<sup>3</sup>

Type of value Derived No Effect Level (DNEL)  
 Reference group Worker  
 Duration of exposure Long term  
 Route of exposure dermal  
 Mode of action Systemic effects  
 Concentration 11 mg/kg/d

Type of value Derived No Effect Level (DNEL)  
 Reference group Worker  
 Duration of exposure Short term  
 Route of exposure dermal  
 Mode of action Systemic effects  
 Concentration 11 mg/kg/d

Type of value Derived No Effect Level (DNEL)  
 Reference group Consumer  
 Duration of exposure Long term  
 Route of exposure dermal  
 Mode of action Systemic effects  
 Concentration 6 mg/kg/d

Type of value Derived No Effect Level (DNEL)  
 Reference group Consumer  
 Duration of exposure Short term  
 Route of exposure dermal  
 Mode of action Systemic effects  
 Concentration 6 mg/kg/d



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|----------------------|--------------------------------|---------|
| Type of value        | Derived No Effect Level (DNEL) |         |
| Reference group      | Consumer                       |         |
| Duration of exposure | Long term                      |         |
| Route of exposure    | oral                           |         |
| Mode of action       | Systemic effects               |         |
| Concentration        | 2                              | mg/kg/d |

|                      |                                |         |
|----------------------|--------------------------------|---------|
| Type of value        | Derived No Effect Level (DNEL) |         |
| Reference group      | Consumer                       |         |
| Duration of exposure | Short term                     |         |
| Route of exposure    | oral                           |         |
| Mode of action       | Systemic effects               |         |
| Concentration        | 2                              | mg/kg/d |

**Predicted No Effect Concentration (PNEC)**

**Acetone**

|               |            |      |
|---------------|------------|------|
| Type of value | PNEC       |      |
| Type          | Freshwater |      |
| Concentration | 10,6       | mg/l |

|               |           |      |
|---------------|-----------|------|
| Type of value | PNEC      |      |
| Type          | Saltwater |      |
| Concentration | 1,06      | mg/l |

|               |                              |      |
|---------------|------------------------------|------|
| Type of value | PNEC                         |      |
| Type          | Water (intermittent release) |      |
| Concentration | 21                           | mg/l |

|               |                     |       |
|---------------|---------------------|-------|
| Type of value | PNEC                |       |
| Type          | Freshwater sediment |       |
| Concentration | 30,4                | mg/kg |

|               |                 |       |
|---------------|-----------------|-------|
| Type of value | PNEC            |       |
| Type          | Marine sediment |       |
| Concentration | 3,04            | mg/kg |

|               |      |       |
|---------------|------|-------|
| Type of value | PNEC |       |
| Type          | Soil |       |
| Concentration | 29,5 | mg/kg |

|               |                              |      |
|---------------|------------------------------|------|
| Type of value | PNEC                         |      |
| Type          | Sewage treatment plant (STP) |      |
| Concentration | 100                          | mg/l |

**Ethyl acetate**

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|               |                     |       |
|---------------|---------------------|-------|
| Type of value | PNEC                |       |
| Type          | Water               |       |
| Concentration | 0,26                | mg/l  |
| Type of value | PNEC                |       |
| Type          | Aquatic             |       |
| Concentration | 0,026               | mg/l  |
| Type of value | PNEC                |       |
| Type          | Freshwater sediment |       |
| Concentration | 0,34                | mg/kg |
| Type of value | PNEC                |       |
| Type          | Marine sediment     |       |
| Concentration | 0,034               | mg/kg |
| Type of value | PNEC                |       |
| Type          | Soil                |       |
| Concentration | 0,22                | mg/kg |

**Xylene**

|               |                              |       |
|---------------|------------------------------|-------|
| Type of value | PNEC                         |       |
| Type          | Freshwater                   |       |
| Concentration | 0,327                        | mg/l  |
| Type of value | PNEC                         |       |
| Type          | Saltwater                    |       |
| Concentration | 0,327                        | mg/l  |
| Type of value | PNEC                         |       |
| Type          | Freshwater sediment          |       |
| Concentration | 12,46                        | mg/kg |
| Type of value | PNEC                         |       |
| Type          | Marine sediment              |       |
| Concentration | 12,46                        | mg/kg |
| Type of value | PNEC                         |       |
| Type          | Soil                         |       |
| Concentration | 2,31                         | mg/kg |
| Type of value | PNEC                         |       |
| Type          | Sewage treatment plant (STP) |       |
| Concentration | 6,58                         | mg/l  |
| Type of value | PNEC                         |       |
| Type          | Water (intermittent release) |       |



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Concentration 0,327 mg/l

**n-Butyl acetate**

Type of value PNEC  
 Type Freshwater  
 Concentration 0,18 mg/l

Type of value PNEC  
 Type Saltwater  
 Concentration 0,018 mg/l

Type of value PNEC  
 Type Freshwater sediment  
 Concentration 0,981 mg/kg

Type of value PNEC  
 Type Marine sediment  
 Concentration 0,0981 mg/kg

Type of value PNEC  
 Type Soil  
 Concentration 0,0903 mg/kg

Type of value PNEC  
 Type Sewage treatment plant (STP)  
 Concentration 35,6 mg/l

Type of value PNEC  
 Type Water (intermittent release)  
 Concentration 0,36 mg/l

**8.2. Exposure controls**

**Exposure controls**

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

**General protective and hygiene measures**

Observe the usual precautions for handling chemicals. Keep away from food, drink and animal feedingstuffs. Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes. Wash hands and / or face before breaks and after work. Take off dirty, soaked clothes immediately. Wash soiled clothing before re-use. Store work clothing separately.

**Respiratory protection**

If workers could be exposed to concentrations above the exposure limit they should use a respirator to EN 140, fitted with a filter suitable for both particulates and vapours, to EN 14387, with an assigned protection factor of at least 10 (e.g. A2P3) Selection of any respiratory protective equipment should ensure that it is adequate to reduce exposure to protect the worker's health and is suitable for the wearer, task and



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environment, including consideration of the facial features of the wearer.

### Hand protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.

Use gloves tested according to EN ISO 374.

For prolonged or repeated handling, use

|                      |              |
|----------------------|--------------|
| Appropriate Material | Butyl rubber |
| Material thickness   | > 0,7 mm     |
| Breakthrough time    | > 30 min     |

The breakthrough time must be greater than the end use time of the product.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

The performance or effectiveness of the glove may be reduced by physical/ chemical damage and poor maintenance.

Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

### Eye protection

Use safety eyewear tested according to EN ISO 16321-1 designed to protect against splash of liquids.

### Body protection

Personnel should wear anti-static clothing made of natural fibre or of high temperature resistant synthetic fibre. Cotton or cotton/synthetic overalls or coveralls are normally suitable.

### Environmental exposure controls

Do not allow to enter drains or water courses. If the legally prescribed emission limits are exceeded, a suitable exhaust air purification system must be installed.

## SECTION 9: Physical and chemical properties

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

|   |   |
|---|---|
| <b>Physical state</b>   | Aerosol                                     |
| <b>Colour</b>   | silver colours                              |
| <b>Odour</b>  | solvent-like                                |
| <b>Melting point</b>  |   |
| Remarks   | Not applicable due to nature of the product |
| <b>Freezing point</b>   |   |
| Remarks   | Not applicable due to nature of the product |
| <b>Boiling point or initial boiling point and boiling range</b> |   |
| Reference substance   | Acetone                                     |
| Value   | appr. 56 °C                                 |
| Pressure  | 1.013 hPa                                   |
| Source  | Literature value                            |

### Flammability

Extremely flammable aerosol.

### Upper and lower explosive limits



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|-----------------------|------------------|------|
| Reference substance   | Xylene           |      |
| Lower explosion limit | appr. 0,8        | %(V) |
| Reference substance   | n-Butyl acetate  |      |
| Upper explosion limit | appr. 15         | %(V) |
| Source                | Literature value |      |

**Flash point**

|       |     |    |
|-------|-----|----|
| Value | < 0 | °C |
|-------|-----|----|

**Auto-ignition temperature**

|        |                  |    |
|--------|------------------|----|
| Value  | appr. 415        | °C |
| Source | Literature value |    |

**Decomposition temperature**

|         |                |
|---------|----------------|
| Remarks | not determined |
|---------|----------------|

**pH value**

|         |   |
|---------|---|
| Remarks | Not applicable                              |
| Remarks | substance/mixture is non-soluble (in water) |

**Viscosity**

|         |                |
|---------|----------------|
| Remarks |                |
| Remarks | not determined |

**Solubility(ies)**

|         |   |
|---------|---|
| Remarks | Not applicable due to nature of the product |
|---------|---|

**Partition coefficient n-octanol/water (log value)**

|         |   |
|---------|---|
| Remarks | Not applicable due to nature of the product |
|---------|---|

**Vapour pressure**

|         |   |
|---------|---|
| Remarks | Not applicable due to nature of the product |
|---------|---|

**Density and/or relative density**

|             |      |                   |
|-------------|------|-------------------|
| Value       | 0,76 | g/cm <sup>3</sup> |
| Temperature | 20   | °C                |

**Relative vapour density**

|       |     |
|-------|-----|
| Value | > 1 |
|-------|-----|

**Particle characteristics**

|         |   |
|---------|---|
| Remarks | Not applicable due to nature of the product |
|---------|---|

**9.2. Other information****Other information**

The physical specifications are approximate values and refer to the used safety relevant component(s).

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

No hazardous reactions when stored and handled according to prescribed instructions.

**10.2. Chemical stability**

Stable at temperatures below 50 °C.

**10.3. Possibility of hazardous reactions**



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

**10.4. Conditions to avoid**

Protect from heat and direct sunlight. When exposed to high temperatures may produce hazardous decomposition products. Avoid damage to the aerosol containers, for example by falling down. Never pierce aerosol containers, even after use. Avoid high concentrations of solvent vapours. Observe the notes on ventilation (section 8).

**10.5. Incompatible materials**

Oxidising agents, strongly alkaline substances, Strongly acidic substances

**10.6. Hazardous decomposition products**

See chapter 5.2 (Firefighting measures - Special hazards arising from the substance or mixture). No decomposition during intended use (see section 1).

**SECTION 11: Toxicological information**

**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

**Acute oral toxicity**

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

**Acute oral toxicity (Components)**

**Acetone**

|         |      |       |
|---------|------|-------|
| Species | rat  |       |
| LD50    | 5800 | mg/kg |

**n-Butyl acetate**

|         |              |       |
|---------|--------------|-------|
| Species | rat (female) |       |
| LD50    | 10760        | mg/kg |
| Method  | OECD 423     |       |

**Acute dermal toxicity**

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

**Acute dermal toxicity (Components)**

**Acetone**

|         |        |       |
|---------|--------|-------|
| Species | rabbit |       |
| LD50    | 20000  | mg/kg |

**Xylene**

|         |        |       |
|---------|--------|-------|
| Species | rabbit |       |
| LD50    | > 4200 | mg/kg |

**n-Butyl acetate**

|         |                    |       |
|---------|--------------------|-------|
| Species | Rats (male/female) |       |
| LD50    | 14112              | mg/kg |
| Method  | OECD 402           |       |

**Acute inhalational toxicity**

|                     |   |      |
|---------------------|---|------|
| ATE                 | > 5   | mg/l |
| Administration/Form | Dust/Mist   |      |
| Method              | calculated value (Regulation (EC) No. 1272/2008)                  |      |
| Remarks             | Based on available data, the classification criteria are not met. |      |

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**Acute inhalative toxicity (Components)****Xylene**

|                      |        |      |
|----------------------|--------|------|
| Species              | rat    |      |
| LC50                 | > 29   | mg/l |
| Duration of exposure | 4      | h    |
| Administration/Form  | Vapors |      |

**n-Butyl acetate**

|                      |                    |      |
|----------------------|--------------------|------|
| Species              | Rats (male/female) |      |
| LC50                 | > 21               | mg/l |
| Duration of exposure | 4                  | h    |
| Method               | OECD 403           |      |

**Skin corrosion/irritation**

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

**Serious eye damage/irritation**

evaluation irritant  
Remarks The classification criteria are met.

**Sensitization**

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

**Mutagenicity**

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

**Reproductive toxicity**

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

**Carcinogenicity**

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

**Specific Target Organ Toxicity (STOT)****Single exposure**

Remarks The classification criteria are met.  
evaluation May cause drowsiness or dizziness.

**Repeated exposure**

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

**Aspiration hazard**

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

**11.2. Information on other hazards****Endocrine disrupting properties with respect to humans**

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

**Experience in practice**

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption



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through the skin. The liquid splashed in the eyes may cause irritation. Ingestion may cause nausea, diarrhoea and vomiting.

#### Other information

There are no data available on the mixture itself.

The mixture has been assessed following the additivity method of the CLP Regulation (EC) No 1272/2008 and classified for toxicological hazards accordingly.

## **SECTION 12: Ecological information**

### **12.1. Toxicity**

#### **General information**

There are no data available on the mixture itself. Do not allow to enter drains or water courses. The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is not classified as dangerous for the environment, but contains substance(s) dangerous for the environment. See section 3 for further details.

### **12.2. Persistence and degradability**

#### **General information**

There are no data available on the mixture itself.

### **12.3. Bioaccumulative potential**

#### **General information**

There are no data available on the mixture itself.

#### **Partition coefficient n-octanol/water (log value)**

Remarks Not applicable due to nature of the product

### **12.4. Mobility in soil**

#### **General information**

There are no data available on the mixture itself.

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

#### **General information**

There are no data available on the mixture itself.

#### **Results of PBT and vPvB assessment**

The product contains no PBT substances

The product contains no vPvB substances.

### **12.6 Endocrine disrupting properties**

#### **Endocrine disrupting properties with respect to the environment**

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

### **12.7. Other adverse effects**

#### **General information**

There are no data available on the mixture itself.

## **SECTION 13: Disposal considerations**



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### 13.1. Waste treatment methods

#### Disposal recommendations for the product

Do not allow to enter drains or water courses.

Wastes and emptied containers should be classified in accordance with relevant national regulation.

The European Waste Catalogue classification of this product, when disposed of as waste is

EWC waste code 08 01 11\* waste paint and varnish containing organic solvents or other dangerous substances

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

For further information contact your local waste authority.

#### Disposal recommendations for packaging




Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers.

Empty containers must be scrapped or reconditioned.

Not emptied containers are hazardous waste.

EWC waste code 15 01 10\* packaging containing residues of or contaminated by dangerous substances

## SECTION 14: Transport information

|                                  | Land transport ADR/RID  | Marine transport IMDG/GGVSee   | Air transport ICAO/IATA   |
|----------------------------------|---|--|---|
| 14.1. UN number                  | 1950  | 1950   | 1950  |
| 14.2. UN proper shipping name    | AEROSOLS  | AEROSOLS   | Aerosols, flammable   |
| 14.3. Transport hazard class(es) | 2   | 2.1  | 2.1   |
| Label                            |  |  |  |
| Limited Quantity                 | 11  | 11   |   |
| Transport category               | 2   |  |   |
| 14.5. Environmental hazards      | -   |  |   |
| Tunnel restriction code          | D   |  |   |

### Information for all modes of transport

#### 14.6. Special precautions for user

Transport within the user's premises:

Always transport in closed containers that are upright and secure.

Ensure that persons transporting the product know what to do in the event of an accident or spillage.

#### Other information

#### 14.7. Maritime transport in bulk according to IMO instruments



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Not applicable

## **SECTION 15: Regulatory information \*\*\***

### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

#### **VOC \*\*\***

|          |       |     |
|----------|-------|-----|
| VOC (EU) | 75,2  | %   |
| VOC (EU) | 571,5 | g/l |

#### **Other regulations, restrictions and prohibition regulations**

The product complies with the requirements of the Persistent Organic Pollutants Regulation 2019/1021.

The product complies with the requirements of Regulation 2024/590 on substances that deplete the ozone layer.

The product is not subject to Regulation 649/2012 on the export and import of dangerous chemicals.

#### **Other information**

The product does not contain substances of very high concern (SVHC).

### **15.2. Chemical safety assessment**

For this preparation a chemical safety assessment has not been carried out.

## **SECTION 16: Other information**

### **Hazard statements listed in Chapter 3**

|      |  |
|------|--|
| H222 | Extremely flammable aerosol.                                       |
| H225 | Highly flammable liquid and vapour.                                |
| H226 | Flammable liquid and vapour.                                       |
| H229 | Pressurized container: may burst if heated.                        |
| H304 | May be fatal if swallowed and enters airways.                      |
| H312 | Harmful in contact with skin.                                      |
| H315 | Causes skin irritation.  |
| H319 | Causes serious eye irritation.                                     |
| H332 | Harmful if inhaled.  |
| H335 | May cause respiratory irritation.                                  |
| H336 | May cause drowsiness or dizziness.                                 |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H412 | Harmful to aquatic life with long lasting effects.                 |

### **CLP categories listed in Chapter 3**

|                   |  |
|-------------------|--|
| Acute Tox. 4      | Acute toxicity, Category 4                                     |
| Aerosol 1         | Aerosol, Category 1  |
| Aquatic Chronic 3 | Hazardous to the aquatic environment, chronic, Category 3      |
| Asp. Tox. 1       | Aspiration hazard, Category 1                                  |
| Eye Irrit. 2      | Eye irritation, Category 2                                     |
| Flam. Liq. 2      | Flammable liquid, Category 2                                   |
| Flam. Liq. 3      | Flammable liquid, Category 3                                   |
| Skin Irrit. 2     | Skin irritation, Category 2                                    |
| STOT RE 2         | Specific target organ toxicity - repeated exposure, Category 2 |
| STOT SE 3         | Specific target organ toxicity - single exposure, Category 3   |



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## Abbreviations

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route

RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses

GGVSee: Gefahrgutverordnung See

IMDG: International Maritime Code for Dangerous Goods

ICAO: International Civil Aviation Organization

IATA: International Air Transport Association

CAS: Chemical Abstracts Service

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

EmS: Emergency Schedules

AICS: Australian Inventory of Chemical Substances

MITI: Ministry of International Trade and Industry (Japan)

TSCA: Toxic Substances Control Act (USA)

VOC: Volatile Organic Compound

LD: Lethal dose

LC: Lethal concentration

SVHC: Substances of very high concern

DNEL: Derived no effect level

PNEC: Predicted no effect concentration

UN: United Nations

OEL: Occupational exposure limit

## Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: \*\*\*

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.

The information in this Safety Data Sheet is based on the present state of knowledge and current legislation.

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions.

As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.