

# Safety Data Sheet

## BINDER EXTRA POLYURETHANE GLOSS

Safety Data Sheet dated 9/6/2017, version 2

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Mixture identification:  
 Trade name: BINDER EXTRA POLYURETHANE GLOSS  
 Trade code: 6H.1.K1  
 Product type and use: tintometric system

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

Recommended use:  
 industrial painting  
 SU3 Industrial uses: Uses of substances as such or in preparations\* at industrial sites  
 SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)  
 PC9a Coatings and paints, thinners, paint removers  
 Uses advised against:

SU21 Consumer uses: Private households (= general public = consumers)

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

Company:  
 GÉNÉRALE DE PEINTURE, 70 rue Cortambert, 75116 Paris - France  
 +33 (0)1 75 29 35 59

Competent person responsible for the safety data sheet:

matt@lusid.biz

#### 1.4. Emergency telephone number

matt@lusid.biz  
 Emergency US – 1-800-535-5053 Outside US - +1-352-323-3500 InfoTrac Contract # 89244

### SECTION 2: Hazards identification

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

EC regulation criteria 1272/2008 (CLP)

- ⚠ Warning, Flam. Liq. 3, Flammable liquid and vapour.
- ⚠ Warning, Skin Irrit. 2, Causes skin irritation.
- ⚠ Warning, Eye Irrit. 2, Causes serious eye irritation.
- ⚠ Warning, STOT SE 3, May cause respiratory irritation.
- ⚠ Warning, STOT RE 2, May cause damage to organs through prolonged or repeated exposure.

Aquatic Chronic 3, Harmful to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

#### 2.2. Label elements

Hazard pictograms:



Warning

Hazard statements:

- H226 Flammable liquid and vapour.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

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P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P370+P378 In case of fire, use a dry powder fire extinguisher to extinguish.

Special Provisions:

None

Contains

HYDROCARBONS , C9, AROMATICS

xylene [4]

Hydroxyphenyl-benzotriazole derivatives EC-No 400-830-7: May produce an allergic reaction.

reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl

1,2,2,6,6-pentamethyl-4-piperidyl sebacate: May produce an allergic reaction.

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

#### 2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

N.A.









### 3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

| Qty               | Name                            | Ident. Number   | Classification   |
|-------------------|---------------------------------|---|--|
| >= 15% -<br>< 20% | HYDROCARBONS ,<br>C9, AROMATICS | EC: 918-668-5   | ⚠ 2.6/3 Flam. Liq. 3 H226<br>⚠ 4.1/C2 Aquatic Chronic 2 H411<br>⚠ 3.8/3 STOT SE 3 H335<br>⚠ 3.10/1 Asp. Tox. 1 H304<br>⚠ 3.8/3 STOT SE 3 H336<br>EUH066<br>DECLP (CLP)*  |
| >= 15% -<br>< 20% | xylene [4]                      | Index number: 601-022-00-9<br>CAS: 1330-20-7<br>EC: 215-535-7 | ⚠ 2.6/3 Flam. Liq. 3 H226<br>⚠ 3.1/4/Inhal Acute Tox. 4 H332<br>⚠ 3.1/4/Dermal Acute Tox. 4 H312<br>⚠ 3.3/2 Eye Irrit. 2 H319<br>⚠ 3.8/3 STOT SE 3 H335<br>⚠ 3.2/2 Skin Irrit. 2 H315<br>⚠ 3.9/2 STOT RE 2 H373<br>⚠ 3.10/1 Asp. Tox. 1 H304 |
| >= 5% -<br>< 7%   | 2-methoxy-1-methylethyl acetate | Index number: 607-195-00-7<br>CAS: 108-65-6<br>EC: 203-603-9  | ⚠ 2.6/3 Flam. Liq. 3 H226  |
| >= 3% -<br>< 5%   | n-butyl acetate                 | Index number: 607-025-00-1<br>CAS: 123-86-4<br>EC: 204-658-1  | ⚠ 2.6/3 Flam. Liq. 3 H226<br>⚠ 3.8/3 STOT SE 3 H336<br>EUH066  |

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|                      |   |                                 |                                       |  |
|----------------------|---|---------------------------------|---------------------------------------|--|
| >= 1% -<br>< 3%      | 2-butoxyethyl acetate;<br>butylglycol acetate   | Index<br>number:<br>CAS:<br>EC: | 607-038-00-2<br>112-07-2<br>203-933-3 |  3.1/4/Dermal Acute Tox. 4 H312<br> 3.1/4/Oral Acute Tox. 4 H302<br> 3.1/4/Inhal Acute Tox. 4 H332           |
| >= 0.5%<br>- < 1%    | Hydroxyphenyl-<br>benzotriazole<br>derivatives EC-No 400-<br>830-7  | Index<br>number:<br>EC:         | 607-176-00-3<br>400-830-7             |  3.4.2/1-1A-1B Skin Sens. 1,1A,<br>1B H317<br> 4.1/C2 Aquatic Chronic 2 H411   |
| >= 0.25%<br>- < 0.5% | reaction mass of bis(1,<br>2,2,6,6-pentamethyl-4-<br>piperidyl) sebacate<br>and methyl 1,2,2,6,6-<br>pentamethyl-4-<br>piperidyl sebacate |                                 |                                       |  3.4.2/1-1A-1B Skin Sens. 1,1A,<br>1B H317<br> 4.1/A1 Aquatic Acute 1 H400<br> 4.1/C1 Aquatic Chronic 1 H410 |

#### 4. FIRST AID MEASURES

##### 4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do NOT induce vomiting.

In case of Inhalation:

If breathing is irregular or stopped, administer artificial respiration.

In case of inhalation, consult a doctor immediately and show him packing or label.

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

None

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

#### 5. FIRE-FIGHTING MEASURES

##### 5.1. Extinguishing media

Suitable extinguishing media:

In case of fire, use a dry powder fire extinguisher to extinguish.

Extinguishing media which must not be used for safety reasons:

None in particular.

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

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

##### 5.3. Advice for firefighters

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Use suitable breathing apparatus .  
 Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
 Move undamaged containers from immediate hazard area if it can be done safely.

## 6. ACCIDENTAL RELEASE MEASURES

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

Wear personal protection equipment.  
 Remove all sources of ignition.  
 Wear breathing apparatus if exposed to vapours/dusts/aerosols.  
 Provide adequate ventilation.  
 Use appropriate respiratory protection.  
 See protective measures under point 7 and 8.

### 6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.  
 Retain contaminated washing water and dispose it.  
 In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

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

Wash with plenty of water.

### 6.4. Reference to other sections

See also section 8 and 13

## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.  
 Use localized ventilation system.  
 Don't use empty container before they have been cleaned.  
 Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.  
 Contaminated clothing should be changed before entering eating areas.  
 Do not eat or drink while working.  
 See also section 8 for recommended protective equipment.

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

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.  
 Keep away from food, drink and feed.  
 Incompatible materials:  
 None in particular.  
 Instructions as regards storage premises:  
 Cool and adequately ventilated.

### 7.3. Specific end use(s)

None in particular

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

HYDROCARBONS , C9, AROMATICS

TLV TWA - 100 mg/mq

xylene [4] - CAS: 1330-20-7

MAK - TWA: 100 ppm - STEL: 200 ppm - Notes: D, Skin

EU - TWA(8h): 221 mg/m<sup>3</sup>, 50 ppm - STEL: 442 mg/m<sup>3</sup>, 100 ppm - Notes: Skin

ACGIH - TWA(8h): 100 ppm - STEL: 150 ppm - Notes: A4, BEI - URT and eye irr, CNS impair

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

ACGIH - TWA: 275 mg/m<sup>3</sup>, 50 ppm - STEL: 550 mg/m<sup>3</sup>, 100 ppm - Notes: H

EU - TWA(8h): 275 mg/m<sup>3</sup>, 50 ppm - STEL: 550 mg/m<sup>3</sup>, 100 ppm - Notes: Skin

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n-butyl acetate - CAS: 123-86-4

ACGIH - TWA(8h): 50 ppm - STEL: 150 ppm - Notes: Eye and URT irr

OEL 8h - 150 ppm

OEL short - 200 ppm

2-butoxyethyl acetate; butylglycol acetate - CAS: 112-07-2

EU - TWA(8h): 133 mg/m<sup>3</sup>, 20 ppm - STEL: 333 mg/m<sup>3</sup>, 50 ppm - Notes: Skin

ACGIH - TWA(8h): 20 ppm - Notes: A3 - Hemolysis

DNEL Exposure Limit Values

HYDROCARBONS , C9, AROMATICS

Worker Industry: 25 mg/kg - Consumer: 11 mg/kg - Exposure: Human Dermal -

Frequency: Long Term, systemic effects

Worker Industry: 150 mg/m<sup>3</sup> - Consumer: 32 mg/m<sup>3</sup> - Exposure: Human Inhalation -

Frequency: Long Term, systemic effects

Consumer: 11 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

xylene [4] - CAS: 1330-20-7

Worker Industry: 289 mg/m<sup>3</sup> - Consumer: 174 mg/m<sup>3</sup> - Exposure: Human Inhalation -

Frequency: Short Term, local effects

Worker Industry: 180 mg/kg - Consumer: 108 mg/kg - Exposure: Human Dermal -

Frequency: Long Term, systemic effects

Worker Industry: 77 mg/m<sup>3</sup> - Consumer: 14.8 mg/m<sup>3</sup> - Exposure: Human Inhalation -

Frequency: Long Term, systemic effects

Consumer: 1.6 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

Worker Industry: 289 mg/m<sup>3</sup> - Consumer: 174 mg/m<sup>3</sup> - Exposure: Human Inhalation -

Frequency: Short Term, systemic effects

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

Worker Industry: 153.5 mg/kg - Consumer: 54.8 mg/kg - Exposure: Human Dermal -

Frequency: Long Term, systemic effects

Worker Industry: 275 mg/m<sup>3</sup> - Consumer: 33 mg/m<sup>3</sup> - Exposure: Human Inhalation -

Frequency: Long Term, systemic effects

Consumer: 1.67 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

effects

n-butyl acetate - CAS: 123-86-4

Worker Industry: 960 ppm - Consumer: 859.7 ppm - Exposure: Human Inhalation -

Frequency: Short Term, systemic effects

Worker Industry: 960 ppm - Consumer: 859.7 ppm - Exposure: Human Inhalation -

Frequency: Short Term, local effects

Worker Industry: 480 ppm - Consumer: 102.34 ppm - Exposure: Human Inhalation -

Frequency: Long Term, systemic effects

Worker Industry: 480 ppm - Consumer: 102.34 ppm - Exposure: Human Inhalation -

Frequency: Long Term, local effects

2-butoxyethyl acetate; butylglycol acetate - CAS: 112-07-2

Consumer: 18 mg/kg - Exposure: Human Oral - Frequency: Short Term, systemic effects

Consumer: 4.3 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

Consumer: 166 mg/kg - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Industry: 20 ppm - Consumer: 67 mg/kg - Exposure: Human Inhalation -

Frequency: Long Term, systemic effects

Worker Industry: 50 ppm - Consumer: 199 mg/kg - Exposure: Human Inhalation -

Frequency: Short Term, local effects

reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl

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

Worker Industry: 2.5 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects

Worker Industry: 2.35 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Industry: 2.35 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 2.5 mg/kg - Exposure: Human Dermal - Frequency: Long Term,

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systemic effects

Consumer: 1.25 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects

Consumer: 0.58 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Consumer: 1.25 mg/kg - Exposure: Human Oral - Frequency: Short Term, systemic effects

Consumer: 1.25 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 0.58 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

#### PNEC Exposure Limit Values

xylene [4] - CAS: 1330-20-7

Target: Marine water - Value: 0.327 mg/l

Target: Air - Value: 0.327 mg/l - Type of hazard: emissione saltuaria

Target: Freshwater sediments - Value: 12.46 mg/kg

Target: Marine water sediments - Value: 12.46 mg/kg

Target: Soil (agricultural) - Value: 2.31 mg/kg

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

Target: Air - Value: 0.635 mg/l

Target: Microorganisms in sewage treatments - Value: 100 mg/l

Target: Freshwater sediments - Value: 3.29 mg/kg

Target: Marine water sediments - Value: 0.329 mg/kg

Target: Marine water - Value: 0.0635 mg/l

n-butyl acetate - CAS: 123-86-4

Target: Fresh Water - Value: 0.18 mg/l

Target: Marine water - Value: 0.018 mg/l

Target: Freshwater sediments - Value: 0.981 mg/kg

Target: Marine water sediments - Value: 0.0981 mg/kg

Target: Soil (agricultural) - Value: 0.0903 mg/kg - Notes: occasional release

2-butoxyethyl acetate; butylglycol acetate - CAS: 112-07-2

Target: Fresh Water - Value: 304 mg/l

Target: Marine water - Value: 304 mg/l

Target: Microorganisms in sewage treatments - Value: 90 mg/l

reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl

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

Target: Fresh Water - Value: 0.0022 mg/l

Target: Marine water - Value: 0.00022 mg/l

Target: Air - Value: 0.009 mg/l - Notes: saltuaria

Target: Marine water sediments - Value: 0.11 mg/kg

Target: Freshwater sediments - Value: 1.05 mg/kg

Target: Soil (agricultural) - Value: 0.21 mg/kg

Target: Microorganisms in sewage treatments - Value: 1 mg/l

#### 8.2. Exposure controls

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Use adequate protective respiratory equipment.

Thermal Hazards:

None

Environmental exposure controls:

None

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Appropriate engineering controls:  
None

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

| Properties                                    | Value                | Method: | Notes |
|---|----------------------|---------|-------|
| Appearance and colour:                        | liquid transparent   | --      | --    |
| Odour:  | solvent              | --      | --    |
| Odour threshold:                              | forte                | --      | --    |
| pH:   | N.A.                 | --      | --    |
| Melting point / freezing point:               | N.D.                 | --      | --    |
| Initial boiling point and boiling range:      | N.D.                 | --      | --    |
| Flash point:                                  | 25 ° C               | --      | --    |
| Evaporation rate:                             | N.D.                 | --      | --    |
| Solid/gas flammability:                       | N.A.                 | --      | --    |
| Upper/lower flammability or explosive limits: | 0.8 min - 8.5 max VV | --      | --    |
| Vapour pressure:                              | n.d.                 | --      | --    |
| Vapour density:                               | >1                   | --      | --    |
| Relative density:                             | 1.02 kg/l            | --      | --    |
| Solubility in water:                          | none                 | --      | --    |
| Solubility in oil:                            | soluble              | --      | --    |
| Partition coefficient (n-octanol/water):      | N.D.                 | --      | --    |
| Auto-ignition temperature:                    | N.D.                 | --      | --    |
| Decomposition temperature:                    | N.D.                 | --      | --    |
| Viscosity:                                    | 16"±3" ford 8        | --      | --    |
| Explosive properties:                         | N.A.                 | --      | --    |
| Oxidizing properties:                         | N.A.                 | --      | --    |

### 9.2. Other information

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| Properties                           | Value   | Method: | Notes |
|--------------------------------------|---------|---------|-------|
| Miscibility:                         | NO      | --      | --    |
| Fat Solubility:                      | soluble | --      | --    |
| Conductivity:                        | N.D.    | --      | --    |
| Substance Groups relevant properties | N.A.    | --      | --    |

## 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

Stable under normal conditions

### 10.2. Chemical stability

Stable under normal conditions

### 10.3. Possibility of hazardous reactions

It may generate toxic gases on contact with powerful oxidising agents, and powerful reducing agents.

It may catch fire on contact with powerful oxidising agents.

### 10.4. Conditions to avoid

Stable under normal conditions.

### 10.5. Incompatible materials

Avoid contact with combustible materials. The product could catch fire.

### 10.6. Hazardous decomposition products

None.

## 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Toxicological information of the product:

N.A.

Toxicological information of the main substances found in the product:

HYDROCARBONS , C9, AROMATICS

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat > 6193 mg/m<sup>3</sup> - Duration: 4h

Test: LD50 - Route: Oral - Species: Rat = 3592 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 3160 mg/kg

xylene [4] - CAS: 1330-20-7

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat 20 mg/l - Duration: 4h

Test: LD50 - Route: Oral - Species: Mouse 5627 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Mouse 8532 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit 5001 mg/kg

Test: LC50 - Route: Inhalation - Species: Mouse > 35.7 mg/l - Duration: 4h - Notes: 6 hours

h) STOT-single exposure:

Test: Eye Irritant Positive

Test: Skin Irritant Positive

n-butyl acetate - CAS: 123-86-4

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat > 21.2 mg/l - Duration: 4h

Test: LD50 - Route: Oral - Species: Rat 10760 mg/kg



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Test: LD50 - Route: Skin - Species: Rabbit > 14000 mg/kg  
2-butoxyethyl acetate; butylglycol acetate - CAS: 112-07-2

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat 1880 mg/kg - Notes: bw

Test: LD50 - Route: Skin - Species: Rabbit 1500 mg/kg - Notes: bw

Test: LC50 - Route: Inhalation - Species: Rat > 400 ppm - Duration: 4h  
reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl  
1,2,2,6,6-pentamethyl-4-piperidyl sebacate

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 3230 mg/kg

b) skin corrosion/irritation:

Test: Skin Irritant - Route: Skin - Species: Rabbit Negative

d) respiratory or skin sensitisation:

Test: Skin Sensitization - Route: Skin - Species: Mouse Positive - Source: OECD (L.G.  
406)

e) germ cell mutagenicity:

Test: Mutagenesis No - Notes: TEST DI AMES

f) carcinogenicity:

Test: Carcinogenicity No

h) STOT-single exposure:

Test: SIRO\_TOX GENERAL No

xylene [4] - CAS: 1330-20-7

LD50 (RAT) ORAL: 5000 MG/KG

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

LD50 (RAT) oral. 8532 mg/Kg

LD50 (RAT) derm. >5000 mg/kg

n-butyl acetate - CAS: 123-86-4

LD (RAT) oral, 10770 mg/kg

2-butoxyethyl acetate; butylglycol acetate - CAS: 112-07-2

LD50 (RAT) SKIN: 1580 MG/KG

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

## 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Do not use when plants are in flower: the product is toxic for bees.

HYDROCARBONS , C9, AROMATICS

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 9.22 mg/l - Duration h: 96

xylene [4] - CAS: 1330-20-7

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 1 mg/l - Duration h: 24

Endpoint: EC50 - Species: Algae = 4.36 mg/l - Duration h: 73

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Endpoint: LC50 - Species: Fish = 2.6 mg/l - Duration h: 96  
 Endpoint: NOEC - Species: Algae = 0.44 mg/l - Duration h: 73  
 Endpoint: NOEC - Species: Daphnia = 1.57 mg/l - Notes: 21g  
 Endpoint: NOEC - Species: Fish = 1.4 mg/l - Notes: 56g

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 180 mg/l - Duration h: 96  
 Endpoint: EC50 - Species: Daphnia = 380 mg/l - Duration h: 48  
 Endpoint: EC50 - Species: Algae = 2000 mg/l - Duration h: 72

n-butyl acetate - CAS: 123-86-4

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 62 mg/l - Duration h: 96  
 Endpoint: EC50 - Species: Daphnia = 205 mg/l - Duration h: 48

2-butoxyethyl acetate; butylglycol acetate - CAS: 112-07-2

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 28 mg/l - Duration h: 96  
 Endpoint: EC50 - Species: Daphnia = 1570 mg/l - Duration h: 72  
 Endpoint: EC50 - Species: Algae = 37 mg/l - Duration h: 48

Hydroxyphenyl-benzotriazole derivatives EC-No 400-830-7 - Index number: 607-176-00-3

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 2.8 mg/l  
 Endpoint: EC50 - Species: Daphnia = 3.8 mg/l

#### 12.2. Persistence and degradability

None

HYDROCARBONS , C9, AROMATICS

Biodegradability: Easily biodegradable - Test: N.A. - Duration h: N.A. - %: N.A. - Notes: N.A.

xylene [4] - CAS: 1330-20-7

Biodegradability: Easily biodegradable - Test: N.A. - Duration h: N.A. - %: N.A. - Notes: N.A.

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

Biodegradability: Easily biodegradable - Test: N.A. - Duration h: N.A. - %: N.A. - Notes: N.A.

n-butyl acetate - CAS: 123-86-4

Biodegradability: Easily biodegradable - Test: N.A. - Duration h: N.A. - %: 83 - Notes: 28 days

#### 12.3. Bioaccumulative potential

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

Bioaccumulation: Not bioaccumulative - Test: N.A. N.A. - Duration h: N.A. - Notes: N.A.

#### 12.4. Mobility in soil

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

Mobility in soil: Mobile - Test: N.A. N.A. - Duration h: N.A. - Notes: fast evaporating

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

vPvB Substances: None - PBT Substances: None

#### 12.6. Other adverse effects

None

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## 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

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## 14. TRANSPORT INFORMATION

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### 14.1. UN number

ADR-UN Number: 1263  
 IATA-UN Number: 1263  
 IMDG-UN Number: 1263

### 14.2. UN proper shipping name

ADR-Shipping Name: PAINT  
 IATA-Shipping Name: PAINT  
 IMDG-Shipping Name: PAINT

### 14.3. Transport hazard class(es)

ADR-Class: 3  
 ADR - Hazard identification number: 30  
 IATA-Class: 3  
 IMDG-Class: 3

### 14.4. Packing group

ADR-Packing Group: III  
 IATA-Packing group: III  
 IMDG-Packing group: III

### 14.5. Environmental hazards

ADR-Environmental Pollutant: No  
 IMDG-Marine pollutant: No

### 14.6. Special precautions for user

ADR-Subsidiary risks: -  
 ADR-S.P.: 163 640E 650  
 ADR-Transport category (Tunnel restriction code): (D/E)  
 IATA-Passenger Aircraft: 305  
 IATA-Subsidiary risks: -  
 IATA-Cargo Aircraft: 307  
 IATA-ERG: 3L  
 IMDG-EmS: F-E , S-D  
 IMDG-Subsidiary risks: -  
 IMDG-Stowage and handling: Category B

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

N.A.

## 15. REGULATORY INFORMATION

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

Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances). Dir. 99/45/EEC (Classification, packaging and labelling of dangerous preparations). Dir. 98/24/EC (Risks related to chemical agents at work). Dir. 2000/39/EC (Occupational exposure limit values); Dir. 2006/8/CE. Regulation (CE) n. 1907/2006 (REACH), Regulation (CE) n.1272/2008 (CLP), Regulation (CE) n.790/2009.

Volatile Organic compounds - VOCs = 425.14 g/l

Volatile CMR substances = 0.01 %

Halogenated VOCs which are assigned the risk phrase R40 = 0.00 %

Organic Carbon - C = 0.33

Where applicable, refer to the following regulatory provisions :  
 Directive 2012/18/EU (Seveso III)

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Regulation (EC) nr 648/2004 (detergents).  
Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):  
Seveso III category according to Annex 1, part 1  
Product belongs to category: P5c

### 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

## 16. OTHER INFORMATION

Full text of phrases referred to in Section 3:

H226 Flammable liquid and vapour.  
H411 Toxic to aquatic life with long lasting effects.  
H335 May cause respiratory irritation.  
H304 May be fatal if swallowed and enters airways.  
H336 May cause drowsiness or dizziness.  
EUH066 Repeated exposure may cause skin dryness or cracking.  
H332 Harmful if inhaled.  
H312 Harmful in contact with skin.  
H319 Causes serious eye irritation.  
H315 Causes skin irritation.  
H373 May cause damage to organs through prolonged or repeated exposure if inhaled.  
H302 Harmful if swallowed.  
H317 May cause an allergic skin reaction.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.

| Hazard class and hazard category | Code          | Description  |
|----------------------------------|---------------|--|
| Flam. Liq. 3                     | 2.6/3         | Flammable liquid, Category 3                                   |
| Acute Tox. 4                     | 3.1/4/Dermal  | Acute toxicity (dermal), Category 4                            |
| Acute Tox. 4                     | 3.1/4/Inhal   | Acute toxicity (inhalation), Category 4                        |
| Acute Tox. 4                     | 3.1/4/Oral    | Acute toxicity (oral), Category 4                              |
| Asp. Tox. 1                      | 3.10/1        | Aspiration hazard, Category 1                                  |
| Skin Irrit. 2                    | 3.2/2         | Skin irritation, Category 2                                    |
| Eye Irrit. 2                     | 3.3/2         | Eye irritation, Category 2                                     |
| Skin Sens. 1,1A,1B               | 3.4.2/1-1A-1B | Skin Sensitisation, Category 1,1A,1B                           |
| STOT SE 3                        | 3.8/3         | Specific target organ toxicity - single exposure, Category 3   |
| STOT RE 2                        | 3.9/2         | Specific target organ toxicity - repeated exposure, Category 2 |
| Aquatic Acute 1                  | 4.1/A1        | Acute aquatic hazard, category 1                               |
| Aquatic Chronic 1                | 4.1/C1        | Chronic (long term) aquatic hazard, category 1                 |
| Aquatic Chronic 2                | 4.1/C2        | Chronic (long term) aquatic hazard, category 2                 |

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|                   |        |  |
|-------------------|--------|--|
| Aquatic Chronic 3 | 4.1/C3 | Chronic (long term) aquatic hazard, category 3 |
|-------------------|--------|--|

Paragraphs modified from the previous revision:

- 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING
- SECTION 2: Hazards identification
- SECTION 3: Composition/information on ingredients
- 5. FIRE-FIGHTING MEASURES
- 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
- 9. PHYSICAL AND CHEMICAL PROPERTIES
- 11. TOXICOLOGICAL INFORMATION
- 12. ECOLOGICAL INFORMATION
- 14. TRANSPORT INFORMATION
- 15. REGULATORY INFORMATION
- SECTION 16: Other information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

| <b>Classification according to Regulation (EC) Nr. 1272/2008</b> | <b>Classification procedure</b> |
|--|---------------------------------|
| Flam. Liq. 3, H226   | On basis of test data           |
| Skin Irrit. 2, H315  | Calculation method              |
| Eye Irrit. 2, H319   | Calculation method              |
| STOT SE 3, H335  | Calculation method              |
| STOT RE 2, H373  | Calculation method              |
| Aquatic Chronic 3, H412  | Calculation method              |

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

- ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities
- SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

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This MSDS cancels and replaces any preceding release.