

# Safety Data Sheet

## BLUE

Safety Data Sheet dated 26/1/2018, version 5

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

#### 1.1. Product identifier

Mixture identification:

Trade name: BLUE

Trade code: OH4.126

Product type and use: tintometric system

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

Recommended use:

Tintometric system

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:

info@lusid.biz

#### 1.4. Emergency telephone number

info@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, STOT SE 3, May cause drowsiness or dizziness.

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.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

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

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

P273 Avoid release to the environment.

P312 Call a POISON CENTER/doctor/... if you feel unwell.

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

P403+P235 Store in a well-ventilated place. Keep cool.

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Special Provisions:

None

Contains

Mixture of: butan-2-one oxime: 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% - < 20%	n-butyl acetate	Index number: 607-025-00-1 CAS: 123-86-4 EC: 204-658-1 REACH No.: 01-2119485493-29	<ul style="list-style-type: none"> <li>⚠ 2.6/3 Flam. Liq. 3 H226</li> <li>⚠ 3.8/3 STOT SE 3 H336</li> <li>EUH066</li> </ul>
>= 15% - < 20%	2-methoxy-1-methylethyl acetate	Index number: 607-195-00-7 CAS: 108-65-6 EC: 203-603-9 REACH No.: 01-2119475791-29	<ul style="list-style-type: none"> <li>⚠ 2.6/3 Flam. Liq. 3 H226</li> </ul>
>= 7% - < 10%	xylene [4]	Index number: 601-022-00-9 CAS: 1330-20-7 EC: 215-535-7 REACH No.: 01-2119488216-32	<ul style="list-style-type: none"> <li>⚠ 2.6/3 Flam. Liq. 3 H226</li> <li>⚠ 3.1/4/Inhal Acute Tox. 4 H332</li> <li>⚠ 3.1/4/Dermal Acute Tox. 4 H312</li> <li>⚠ 3.3/2 Eye Irrit. 2 H319</li> <li>⚠ 3.8/3 STOT SE 3 H335</li> <li>⚠ 3.2/2 Skin Irrit. 2 H315</li> <li>⚠ 3.9/2 STOT RE 2 H373</li> <li>⚠ 3.10/1 Asp. Tox. 1 H304</li> </ul>
>= 7% - < 10%	HYDROCARBONS , C9, AROMATICS	EC: 918-668-5 REACH No.: 01-2119455851-35	<ul style="list-style-type: none"> <li>⚠ 2.6/3 Flam. Liq. 3 H226</li> <li>⚠ 4.1/C2 Aquatic Chronic 2 H411</li> <li>⚠ 3.8/3 STOT SE 3 H335</li> <li>⚠ 3.10/1 Asp. Tox. 1 H304</li> <li>⚠ 3.8/3 STOT SE 3 H336</li> <li>EUH066</li> <li>DECLP (CLP)*</li> </ul>
>= 0.5% - < 1%	butan-2-ol	Index number: 603-127-00-5 CAS: 78-92-2 EC: 201-158-5	<ul style="list-style-type: none"> <li>⚠ 2.6/3 Flam. Liq. 3 H226</li> <li>⚠ 3.3/2 Eye Irrit. 2 H319</li> <li>⚠ 3.8/3 STOT SE 3 H335</li> <li>⚠ 3.8/3 STOT SE 3 H336</li> </ul>

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		REACH No.: 01-2119475146-36	
>= 0.5% - < 1%	Mixture of: butan-2-one oxime	Index number: 616-014-00-0 CAS: 96-29-7 EC: 202-496-6 REACH No.: 01-2119539477-28	<ul style="list-style-type: none"> <li>⚠ 3.1/4/Dermal Acute Tox. 4 H312</li> <li>⚠ 3.3/1 Eye Dam. 1 H318</li> <li>⚠ 3.4.2/1-1A-1B Skin Sens. 1, 1A, 1B H317</li> <li>⚠ 3.6/2 Carc. 2 H351</li> </ul>
>= 0.25% - < 0.5%	ethylbenzene	Index number: 601-023-00-4 CAS: 100-41-4 EC: 202-849-4 REACH No.: 01-2119489370-35	<ul style="list-style-type: none"> <li>⚠ 2.6/2 Flam. Liq. 2 H225</li> <li>⚠ 3.1/4/Inhal Acute Tox. 4 H332</li> <li>⚠ 3.9/2 STOT RE 2 H373</li> <li>⚠ 3.10/1 Asp. Tox. 1 H304</li> <li>4.1/C3 Aquatic Chronic 3 H412</li> </ul>
280 ppm	phthalic anhydride	Index number: 607-009-00-4 CAS: 85-44-9 EC: 201-607-5 REACH No.: 01-2119457017-41	<ul style="list-style-type: none"> <li>⚠ 3.8/3 STOT SE 3 H335</li> <li>⚠ 3.2/2 Skin Irrit. 2 H315</li> <li>⚠ 3.3/1 Eye Dam. 1 H318</li> <li>⚠ 3.4.1/1-1A-1B Resp. Sens. 1, 1A, 1B H334</li> <li>⚠ 3.4.2/1-1A-1B Skin Sens. 1, 1A, 1B H317</li> <li>⚠ 3.1/4/Oral Acute Tox. 4 H302</li> </ul>

\*DECLP (CLP): Substance classified in accordance with Note P, Annex VI of EC Regulation (EC) 1272/2008. The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7). When the substance is not classified as a carcinogen at least the precautionary statements (P102-)P260-P262-P301 + P310-P331 (Table 3.1) or the S-phrases (2-)23-24-62 (Table 3.2) shall apply. This note applies only to certain complex oil-derived substances in Part 3.

#### 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.

In case of eyes contact:

In case of Ingestion:

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

##### 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:

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None

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#### 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
  - 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.

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#### 6. ACCIDENTAL RELEASE MEASURES

- 6.1. Personal precautions, protective equipment and emergency procedures
  - Wear personal protection equipment.
  - Remove all sources of ignition.
  - Remove persons to safety.
  - 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

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#### 7. HANDLING AND STORAGE

- 7.1. Precautions for safe handling
  - Avoid contact with skin and eyes, inhalation of vapours and mists.
  - 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
  - Always keep in a well ventilated place.
  - Store at below 20 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.
  - 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

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#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

##### 8.1. Control parameters

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-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

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

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

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TLV TWA - 100 mg/mq

butan-2-ol - CAS: 78-92-2

ACGIH - TWA(8h): 100 ppm - Notes: URT irr, CNS impair

ethylbenzene - CAS: 100-41-4

EU - TWA(8h): 442 mg/m<sup>3</sup>, 100 ppm - STEL: 884 mg/m<sup>3</sup>, 200 ppm - Notes: Skin

ACGIH - TWA(8h): 20 ppm - Notes: A3, BEI - URT irr, kidney dam (nephropathy), cochlear impair

phthalic anhydride - CAS: 85-44-9

ACGIH - TWA(8h): 0.002 mg/m<sup>3</sup> - STEL: 0.005 mg/m<sup>3</sup> - Notes: (IFV), Skin, DSEN, RSEN, A4 - Resp sens, asthma

##### DNEL Exposure Limit Values

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-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

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

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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 -

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Frequency: Long Term, systemic effects  
 Consumer: 11 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects  
 phthalic anhydride - CAS: 85-44-9  
 Consumer: 5 mg/kg - Exposure: Human Dermal - Notes: die  
 Worker Professional: 32.2 mg/kg - Consumer: 8.6 mg/kg - Exposure: Human Inhalation -  
 Notes: die  
 Consumer: 5 mg/kg  
 PNEC Exposure Limit Values  
 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-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  
 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  
 phthalic anhydride - CAS: 85-44-9  
 Target: Microorganisms in sewage treatments - Value: 10 mg/l  
 Target: Soil (agricultural) - Value: 0.153 mg/kg  
 Target: Fresh Water - Value: 5.6 mg/l  
 Target: Marine water sediments - Value: 0.0826 mg/kg

#### 8.2. Exposure controls

Provide adequate ventilation through good general extraction using local exhaust ventilation. If concentrations of solvent or vapor exceed the OEL value, you have to wear respiratory protection.

#### Eye protection:

Not needed for normal use. Anyway, operate according good working practices.

#### Protection for skin:

No special precaution must be adopted for normal use.

#### Protection for hands:

NBR (nitrile rubber).

#### Respiratory protection:

Mask with filter "A" , brown colour

Mask FFP1D (OV) short exposure and vapor <TLV (EN 149)

#### Thermal Hazards:

None

#### Environmental exposure controls:

None

#### Appropriate engineering controls:

None

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

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Properties	Value	Method:	Notes
Appearance and colour:	liquid blue	--	--
Odour:	solvent	--	--
Odour threshold:	solvent	--	--
pH:	Not Relevant	--	--
Melting point / freezing point:	N.A.	--	--
Initial boiling point and boiling range:	N.A.	--	--
Flash point:	25 ° C	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	--
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	N.A.	--	--
Vapour density:	>1	--	--
Relative density:	1.05	--	--
Solubility in water:	none	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	10" ford8	--	--
Explosive properties:	N.A.	--	--
Oxidizing properties:	N.A.	--	--

#### 9.2. Other information

Properties	Value	Method:	Notes
Miscibility:	none	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--

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Substance Groups relevant properties	N.A.	--	--
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#### 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
- 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:
  - 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
      - Test: LD50 - Route: Skin - Species: Rabbit > 14000 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
    - 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
    - HYDROCARBONS , C9, AROMATICS
      - a) acute toxicity:
        - Test: LC50 - Route: Inhalation - Species: Rat > 6193 mg/m3 - Duration: 4h
        - Test: LD50 - Route: Oral - Species: Rat = 3592 mg/kg
        - Test: LD50 - Route: Skin - Species: Rabbit > 3160 mg/kg
    - butan-2-ol - CAS: 78-92-2
      - a) acute toxicity:
        - Test: LD50 - Route: Oral - Species: Rat 6480 mg/kg
        - Test: LC50 - Route: Inhalation - Species: Rat 48.5 mg/l - Duration: 4h
        - Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg
    - Mixture of: butan-2-one oxime - CAS: 96-29-7
      - a) acute toxicity:
        - Test: LC50 - Route: Inhalation - Species: Rat = 20 mg/l - Duration: 4h
        - Test: LD50 - Route: Oral - Species: Rat = 2528 mg/kg
        - Test: LD50 - Route: Skin - Species: Rabbit > 1000 mg/kg



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ethylbenzene - CAS: 100-41-4

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat 3500 mg/kg

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

Test: LC50 - Route: Inhalation - Species: Rat 4000 ppm - Duration: 4h

phthalic anhydride - CAS: 85-44-9

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 1530 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 10000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 210 mg/m<sup>3</sup> - Duration: 1h

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

LD (RAT) oral, 10770 mg/kg

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

LD50 (RAT) oral. 8532 mg/Kg

LD50 (RAT) derm. >5000 mg/kg

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

LD50 (RAT) ORAL: 5000 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.

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-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

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

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

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a) Aquatic acute toxicity:

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

butan-2-ol - CAS: 78-92-2

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a) Aquatic acute toxicity:  
 Endpoint: LC50 - Species: Fish = 3670 mg/l - Duration h: 96 - Notes: pimephales promelas  
 Endpoint: EC50 - Species: Daphnia = 3752 mg/l - Duration h: 24 - Notes: daphnia magna ethylbenzene - CAS: 100-41-4

a) Aquatic acute toxicity:  
 Endpoint: EC50 - Species: Algae = 1.7 mg/l - Duration h: 96  
 Endpoint: EC50 - Species: Algae = 2.6 mg/l - Duration h: 72  
 Endpoint: LC50 - Species: Fish = 4.2 mg/l - Duration h: 96  
 Endpoint: EC50 - Species: Daphnia = 2 mg/l - Duration h: 48

#### 12.2. Persistence and degradability

None

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

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

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

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.

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

#### 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



#### 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

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ADR - Hazard identification number:	30
IATA-Class:	3
IATA-Label:	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:	355
IATA-Subsidiary risks:	-
IATA-Cargo Aircraft:	366
IATA-S.P.:	A3 A72
IATA-ERG:	3L
IMDG-EmS:	F-E , S-E
IMDG-Subsidiary risks:	-
IMDG-Stowage and handling:	Category A
IMDG-Segregation:	-
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 = 547.87 g/l

Volatile CMR substances = 0.03 %

Halogenated VOCs which are assigned the risk phrase R40 = 0.50 %

Organic Carbon - C = 0.35

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)

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.

OH4.126/5

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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.  
 H335 May cause respiratory irritation.  
 H315 Causes skin irritation.  
 H373 May cause damage to organs through prolonged or repeated exposure if inhaled.  
 H304 May be fatal if swallowed and enters airways.  
 H411 Toxic to aquatic life with long lasting effects.  
 H318 Causes serious eye damage.  
 H317 May cause an allergic skin reaction.  
 H351 Suspected of causing cancer.  
 H225 Highly flammable liquid and vapour.  
 H373 May cause damage to organs (hearing organs) through prolonged or repeated exposure.  
 H412 Harmful to aquatic life with long lasting effects.  
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
 H302 Harmful if swallowed.

Hazard class and hazard category	Code	Description
Flam. Liq. 2	2.6/2	Flammable liquid, Category 2
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 Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Resp. Sens. 1,1A,1B	3.4.1/1-1A-1B	Respiratory Sensitisation, Category 1,1A,1B
Skin Sens. 1,1A,1B	3.4.2/1-1A-1B	Skin Sensitisation, Category 1,1A,1B
Carc. 2	3.6/2	Carcinogenicity, Category 2
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 Chronic 2	4.1/C2	Chronic (long term) aquatic hazard, category 2
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

Paragraphs modified from the previous revision:

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SECTION 2: Hazards identification  
 SECTION 3: Composition/information on ingredients  
 4. FIRST AID MEASURES  
 5. FIRE-FIGHTING MEASURES  
 7. HANDLING AND STORAGE  
 8. EXPOSURE CONTROLS/PERSONAL PROTECTION  
 13. DISPOSAL CONSIDERATIONS  
 SECTION 16: Other information

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

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Flam. Liq. 3, H226	On basis of test data
STOT SE 3, H336	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

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This MSDS cancels and replaces any preceding release.