

**Safety Data Sheet  
pursuant to Regulation 1907/2006/EC, Article 31**

Printed on: 02.02.2023

Version number 8 (replaces version 7)

Revision: 02.02.2023

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

- **1.1 Product identifier**
- **Commercial name:** SPINNAKER POLYURETHANE 2 Comp. A
- **UFI:** SV00-00A7-9000-91AG
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Sector of use**
  - SU21 Consumer uses: households / general population / consumers Professional uses: public
  - SU22 sector (administration, education, entertainment, services, craftsmanship)
- **Product category** PC9a Coatings and paints, thinners, paint removers
- **Process category** PROC10 Application with rollers or brushes
- **Environmental release category**
  - ERC5 Industrial use resulting in inclusion into or on the surface of an article
  - ERC8a Widespread use of non-reactive processing aids (without inclusion inside or on the surface of an article, indoor use) ERC8f Widespread use resulting in inclusion inside or on the surface of an article (outdoor use)
- **Category of the articles**
  - AC7 Products metallic
  - AC11 Articles in wood
  - AC13 Products in plastic
- **Use of the Substance / Preparation**

See our data sheet for the application of this product. two-component paint
- **1.3 Information about the supplier of the safety data sheet**
- **Producer/supplier:** CECCHI GUSTAVO & C. srl
- Via M. Coppino, 253
- 55049 VIAREGGIO (LU)
- ITALY
- tel.+39 0584 383694
- email: info@cecchi.it
- **1.4 Emergency telephone number:**

CECCHI GUSTAVO & C. srl tel: +39 0584 383694, E-mail: info@cecchi.it

Office hours: 8.30-12.30, 14.00-18.30 from Monday to Friday.

CAV "Hospit. Pediatric Child Jesus" Emergency and Reception Dept. DEA Rome Piazza Sant'Onofrio, 4 - 00165 - 06.68593726

Hospital Az. Univ. Foggia Foggia V.le Luigi Pinto, 1 - 71122 - 800183459 Az. Hosp. "A. Cardarelli"

Naples Via A. Cardarelli, 9 - 80131 - 081.5453333 CAV Policlinico "Umberto I" Rome V.le del

Policlinico, 155 - 00161 -06.49978000 CAV Policlinico "A. Gemelli" Rome Largo Agostino Gemelli, 8 -

00168 - 06.3054343 Az. Hospital. "Careggi" Medical Toxicology Unit Florence Largo Brambilla, 3 - 50134 W. 055.7947819

CAV National Center for Toxicological Information Pavia Via Salvatore Maugeri,

10 - 27100 - 0382.24444

Hospital. Niguarda Ca' Granda Milan Piazza Ospedale Maggiore, 3 - 20162 -

02.66101029

Papa Giovanni XXII Bergamo Hospital Piazza OMS, 1 - 24127 - 800883300

Verona Integrated Hospital Verona Piazzale Aristide Stefani, 1 -

(continued on page 2)

**Safety Data Sheet  
pursuant to Regulation 1907/2006/EC, Article 31**

Printed on: 02.02.2023

Version number 8 (replaces version 7)

Revision: 02.02.2023

37126 - 800011858

(Continued from page 1)

**SECTION 2: Hazard identification**

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No. 1272/2008



GHS02 flame

Flam. Liq. 3

H226 Flammable liquid and vapour.



GHS07

Skin Sens. 1  
STOT IF 3

H317 May cause an allergic skin reaction. H336 May cause drowsiness or dizziness.

Aquatic Chronic 3

H412 Harmful to aquatic organisms with effects of long duration.

- 2.2 Elements of the label
- Labeling according to Regulation (EC) No. 1272/2008  
The product is classified and labeled in accordance with the CLP Regulation.
- Hazard pictograms



GHS02



GHS07

- Warning Caution
- Hazardous components determining labelling: n-butyl acetate

Hydrocarbons, C9, aromatics. (Note-p). acetate  
of 1-methyl-2-methoxyethyl  
Methacrylate Of isobutyl  
2-hydroxyethyl methacrylate  
Methacrylate Of methyl

- Directions Of danger  
H226 Flammable liquid and vapour.  
H317 May cause an allergic skin reaction. H336 May cause drowsiness or dizziness.  
H412 Harmful to aquatic organisms with long lasting effects.

- Precautionary statements

P102 Keep out of reach of children.  
P210 Keep away from heat, heated surfaces, sparks, flames and other ignition sources. Smoking prohibited. Do not breathe dust/fume/gas/mist/vapours/spray.  
P260

(continued on page 3)

EN



Safety Data Sheet  
pursuant to Regulation 1907/2006/EC, Article 31

Printed on: 02.02.2023      Version number 8 (replaces version 7)      Revision: 02.02.2023

(Continued from page 2)

P271

P280

Use only outdoors or in a well-ventilated place. Wear gloves/protective clothing/eye protection/face protection/hearing protection.

P301+P310

IF SWALLOWED: Immediately contact a POISON CENTER/doctor.

P303+P361+P353

IF ON SKIN (or hair): Take off immediately take off all contaminated clothing. Rinse your skin [or take a shower].

P501

Dispose of product/container in accordance with local/regional/national/ international regulations.

• More data:

EUH066 Repeated exposure may cause dryness or cracking of the skin.

Contains isobutyl methacrylate. May cause an allergic reaction.

Contains 2-hydroxyethyl methacrylate and methyl methacrylate. May cause an allergic reaction.

• 2.3 Other dangers

• Results of PBT and vPvB assessment

• PBT: Not applicable.

• vPvB: Not applicable.

\*

SECTION 3: Composition/information on ingredients

• 3.2 Mixtures

• Description:

Mixture of resins

Mixture of solvents with additives

• Dangerous substances:

CAS: 123-86-4 EINECS: 204-658-1 Index number: 607-025-00-1  Reg.nr.: 01-2119485493-29	n-butyl acetate Flam. Liq. 3, H226 STOT SE 3, H336 EUH066	10-25%
CAS: 108-65-6 EINECS: 203-603-9 Index number: 607-195-00-7  Reg.nr.: 01-2119475791-29	1-methyl-2-methoxyethyl acetate Flam. Liq. 3, H226 STOT SE 3, H336	10-25%
CAS: 128601-23-0 EC numbers: 918-668-5 Reg.nr.: 01-2119455851-35	Hydrocarbons, C9, aromatics. (Note-p). Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 STOT SE 3, H335-H336	2.5-10%

(continued on page 4)

EN

### Safety Data Sheet pursuant to Regulation 1907/2006/EC, Article 31

Printed on: 02.02.2023

Version number 8 (replaces version 7)

Revision: 02.02.2023

(Continued from page 3)

CAS: 623-84-7 EINECS: 210-817-6 Reg.nr.: 01-2119892736-20	Propane-1,2-diyl diacetate ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	≥2.5-<10%
CAS: 127519-17-9 ELINCS: 407-000-3 Index number: 607-281-00-4  Reg.nr.: 01-0000015648-61	Mixture of branched and linear 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl] C7-C9 alkyl propionates  ⚠ Aquatic Chronic 2, H411	≥0.25-<2.5%
CAS: 129757-67-1 Reg.nr.: 01-0000015625-69 tetramethyl-4-piperidiny) ester,	decanedioic acid, 1,10-bis(2,2,6,6-hydroperoxide and octane reaction products with tert-Bu Aquatic Chronic 4, H413	≤2.5%
CAS: 97-86-9 EINECS: 202-613-0 Index number: 607-113-00-X  Reg.nr.: 01-2119488331-38	Isobutyl methacrylate ⚠ Flam. Liq. 3, H226 ⚠ Skin Irrit. 2, H315; Skin Sens. 1B, H317; STOT SE 3, H335	≥0.1-<0.3%
CAS: 868-77-9 EINECS: 212-782-2 Index number: 607-124-00-X  Reg.nr.: 01-2119490169-29	2-hydroxyethyl methacrylate ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	≥0.1-<0.3%
CAS: 80-62-6 EINECS: 201-297-1 Index number: 607-035-00-6  Reg.nr.: 01-2119452498-28	Methyl methacrylate ⚠ Flam. Liq. 2, H225 ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335	≥0.1-<0.3%

• Further information:

Notes P: The substance shall not be classified as carcinogenic or mutagenic as it can be demonstrated that the substance contains less than 0.1% (w/w) benzene (EINECS No. 200-753-7). This note applies only to certain petroleum-derived substances contained in Part 3.

The text of the warning of the mentioned dangers can be found in chapter 16

#### SECTION 4: First aid measures

• 4.1 Description of first aid measures

• General information:

Immediately remove clothing contaminated by the product.

• Inhalation:

Take the person to a well-ventilated area and, to be safe, consult a doctor.

If the subject is unconscious, keep him in a stable position on his side during transport.

(continued on page 5)



**Safety Data Sheet  
pursuant to Regulation 1907/2006/EC, Article 31**

Printed on: 02.02.2023

Version number 8 (replaces version 7)

Revision: 02.02.2023

(Continued from page 4)

- **Contact with skin:**  
Wash immediately with soap and water, rinsing thoroughly. Wash immediately with water.
- **Contact with eyes:**  
Wash with running water for a few minutes keeping the eyelids wide open.
- **Ingestion:** Seek medical treatment.
- **4.2 Most important symptoms and effects, both acute and delayed** No further information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
  
No other information available.

**SECTION 5: Fire fighting measures**

- **5.1 Extinguishing media**
- **Suitable extinguishing media:**  
CO<sub>2</sub>, dust or water spray. Extinguish large fires with water spray or alcohol-resistant foam.
- **5.2 Special hazards arising from the substance or mixture**  
If heated or in the event of fire, the product emits toxic fumes. No other information available.
- **5.3 Recommendations for fire extinguishers**
- **Specific protective equipment:** Wear full protective suits. Wear a respirator.

**SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and procedures in case of emergency**  
  
Ensure sufficient ventilation. Wear a respirator.  
  
Wear protective equipment. Keep unequipped people away.
- **6.2 Environmental precautions:**  
Prevent the product from entering sewers, quarries or cellars.  
In case of infiltration into water bodies or sewers, notify the competent authorities.  
  
Dilute abundantly with water.  
Prevent infiltration into sewerage/surface water/groundwater.
- **6.3 Methods and materials for containment and cleaning up:** Collect the liquid with absorbent material (sand, tripoli, acid binder, universal binder, sawdust).  
  
Dispose of contaminated material in accordance with point 13. Provide sufficient ventilation.
- **6.4 Reference to other sections**  
For information on safe handling, see Chapter 7. For information on personal protective equipment, see Chapter 8.

(continued on page 6)

EN



Safety Data Sheet  
pursuant to Regulation 1907/2006/EC, Article 31

Printed on: 02.02.2023      Version number 8 (replaces version 7)      Revision: 02.02.2023

For disposal information see Chapter 13.

(Continued from page 5)

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling Protect from heat and direct sunlight. Accurate ventilation/extraction in workplaces. Avoid the formation of aerosols.
- Information in case of fire and explosion: Keep away from heat sources, do not smoke. Take measures against electrostatic charges. Have your respirator ready.
- 7.2 Conditions for safe storage, including any incompatibilities
  - Storage:
  - Requirements for warehouses and containers: Store only in the original containers.
  - Information on mixed storage: Not necessary.
  - Further information about storage conditions: Keep containers tightly closed.
- 7.3 Specific end uses wood protection

SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters
  - Components whose limit values must be kept under control in working environments:

123-86-4 n-Butyl acetate

TWA	Short-term value: 950 mg/m³, 200 ppm Long-term value: 713 mg/m³, 150 ppm
VL	Short-term value: 723 mg/m³, 150 ppm Long-term value: 241 mg/m³, 50 ppm

108-65-6 1-methyl-2-methoxyethyl acetate

VL	Short-term value: 550 mg/m³, 100 ppm Long-term value: 275 mg/m³, 50 ppm Skin
----	--

80-62-6 Methyl methacrylate

TWA	Short-term value: 410 mg/m³, 100 ppm Long-term value: 205 mg/m³, 50 ppm sen, A4
VL	Short-term value: 100 ppm Long-term value: 50 ppm

123-86-4 n-Butyl acetate

TWA	Short-term value: 950 mg/m³, 200 ppm Long-term value: 713 mg/m³, 150 ppm
VL	Short-term value: 723 mg/m³, 150 ppm Long-term value: 241 mg/m³, 50 ppm

(continued on page 7)

**Safety Data Sheet**  
pursuant to Regulation 1907/2006/EC, Article 31

Printed on: 02.02.2023

Version number 8 (replaces version 7)

Revision: 02.02.2023

(Continued from page 6)

<b>108-65-6 1-methyl-2-methoxyethyl acetate</b>	
<b>VL</b>	Short-term value: 550 mg/m <sup>3</sup> , 100 ppm Long-term value: 275 mg/m <sup>3</sup> , 50 ppm Skin
<b>80-62-6 Methyl methacrylate</b>	
<b>TWA</b>	Short-term value: 410 mg/m <sup>3</sup> , 100 ppm Long-term value: 205 mg/m <sup>3</sup> , 50 ppm sen, A4
<b>VL</b>	Short-term value: 100 ppm Long-term value: 50 ppm

· **Information on TWA regulations: Threshold Limit Values**

VL: Legislative Decree. n. 81/2008

· **DNEL (Derived No Effect Level) for professionals**

<b>123-86-4 n-Butyl acetate</b>		
Cutaneous	Acute / short-term - systemic effects.	11 mg/kg bw/day (Personal)
	Long term - systemic effects.	11 mg/kg/day (Personal)
By inhalation	Long term - local effects.	300 mg/m <sup>3</sup> (Personal)
	Short-term systemic effects.	600 mg/m <sup>3</sup> (Personal)
	Short term - local effects.	600 mg/m <sup>3</sup> (Personal)
	Long term - systemic effects.	300 mg/m <sup>3</sup> (Personal)
<b>108-65-6 1-methyl-2-methoxyethyl acetate</b>		
Cutaneous	Long-term systemic effects.	796 mg//kg/day (Personal)
By inhalation	Long term - local effects.	550 mg/m <sup>3</sup> (Personal)
	Short term - local effects.	550 mg/m <sup>3</sup> (Personal)
	Long term - systemic effects.	275 mg/m <sup>3</sup> (Personal)
<b>128601-23-0 Hydrocarbons, C9, aromatic. (Note-p).</b>		
Cutaneous	Long-term systemic effects.	25 mg//kg/day (Personal)
By inhalation	Long term - systemic effects.	150 mg/m <sup>3</sup> (Personal)
<b>97-86-9 Isobutyl methacrylate</b>		
Cutaneous	Long term - systemic effects.	5 mg/kg/day (Personal)

(continued on page 8)

EN

**Safety Data Sheet**  
pursuant to Regulation 1907/2006/EC, Article 31

Printed on: 02.02.2023

Version number 8 (replaces version 7)

Revision: 02.02.2023

(Continued from page 7)

<b>By inhalation</b>	<b>Long term - local effects.</b>	<b>409 mg/m<sup>3</sup> (Personal)</b>
	<b>Long term - systemic effects.</b>	<b>415.9 mg/m<sup>3</sup> (Personal)</b>
<b>868-77-9 2-hydroxyethyl methacrylate</b>		
<b>Cutaneous</b>	<b>Long term - systemic effects.</b>	<b>1.3 mg/kg/day (Personal)</b>
<b>By inhalation</b>	<b>Long term - systemic effects.</b>	<b>4.9 mg/m<sup>3</sup> (Personal)</b>
<b>80-62-6 Methyl methacrylate</b>		
<b>Cutaneous</b>	<b>Long term - systemic effects.</b>	<b>13.67 mg/kg/day (Personal)</b>
<b>By inhalation</b>	<b>Acute / short term - local defects</b>	<b>416 mg/m<sup>3</sup> (Personal)</b>
	<b>Long term - local effects.</b>	<b>208 mg/m<sup>3</sup> (Personal)</b>
	<b>Long term - systemic effects.</b>	<b>348.4 mg/m<sup>3</sup> (Personal)</b>
<b>· DNEL (Derived No Effect Level) for the general public</b>		
<b>123-86-4 n-Butyl acetate</b>		
<b>Oral</b>	<b>Long-term systemic effects.</b>	<b>2 mg/kg bw/day (General population)</b>
<b>Cutaneous</b>	<b>Short term - systemic effects.</b>	<b>6 mg/kg bw/day (General population)</b>
	<b>Long term - systemic effects.</b>	<b>6 mg/kg bw/day (General population)</b>
	<b>Long term - local effects.</b>	<b>35.7 mg/m<sup>3</sup> (General population)</b>
<b>By inhalation</b>	<b>Short term - systemic effects.</b>	<b>6 mg/kg (General population)</b>
	<b>Long term - systemic effects.</b>	<b>35.7 mg/m<sup>3</sup> (General population)</b>
	<b>Acute / short-term - systemic effects.</b>	<b>300 mg/m<sup>3</sup> (Population general)</b>
	<b>Acute / short-term effects - local.</b>	<b>300 mg/m<sup>3</sup> (Population general)</b>
<b>108-65-6 1-methyl-2-methoxyethyl acetate</b>		
<b>Oral</b>	<b>Long-term systemic effects.</b>	<b>36 mg/kg bw/day (General population)</b>
<b>Cutaneous</b>	<b>Long term - systemic effects.</b>	<b>320 mg/kg bw/day (General population)</b>
<b>By inhalation</b>	<b>Long term - systemic effects.</b>	<b>33 mg/m<sup>3</sup> (Population general)</b>

(continued on page 9)

EN



**Safety Data Sheet**  
pursuant to Regulation 1907/2006/EC, Article 31

Printed on: 02.02.2023

Version number 8 (replaces version 7)

Revision: 02.02.2023

(Continued from page 8)

<b>128601-23-0 Hydrocarbons, C9, aromatic. (Note-p).</b>		
<b>Oral</b>	<b>Long-term systemic effects.</b>	<b>11 mg/kg bw/day (General population)</b>
<b>Cutaneous</b>	<b>Long term - systemic effects.</b>	<b>11 mg/kg bw/day (General population)</b>
<b>By inhalation</b>	<b>Long term - systemic effects.</b>	<b>32 mg/m<sup>3</sup> (Population general)</b>
<b>623-84-7 Propane-1,2-diyl diacetate</b>		
<b>Oral</b>	<b>Long-term systemic effects.</b>	<b>2.5 mg/kg bw/day (General population)</b>
<b>Cutaneous</b>	<b>Long term - systemic effects.</b>	<b>25 mg/kg bw/day (General population)</b>
<b>By inhalation</b>	<b>Long term - systemic effects.</b>	<b>117 mg/m<sup>3</sup> (Population general)</b>
<b>127519-17-9 Mixture of 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-Branched and linear C7-C9 alkyl hydroxyphenyl]propionates</b>		
<b>Oral</b>	<b>Long-term systemic effects.</b>	<b>0.003 mg/kg bw/day (General population)</b>
<b>Cutaneous</b>	<b>Long term - systemic effects.</b>	<b>0.003 mg/kg bw/day (General population)</b>
<b>By inhalation</b>	<b>Acute - systemic effects.</b>	<b>0.165 mg/kg bw/day (Personal)</b>
	<b>Long term - systemic effects.</b>	<b>0.006 mg/m<sup>3</sup> (General population)</b>
		<b>0.575 mg/m<sup>3</sup> (Personal)</b>
<b>97-86-9 Isobutyl methacrylate</b>		
<b>Cutaneous</b>	<b>Long term - systemic effects.</b>	<b>3 mg/kg bw/day (General population)</b>
	<b>Long term - local effects.</b>	<b>366.4 mg/m<sup>3</sup> (General population)</b>
<b>By inhalation</b>	<b>Long term - systemic effects.</b>	<b>66.5 mg/m<sup>3</sup> (General population)</b>
<b>868-77-9 2-hydroxyethyl methacrylate</b>		
<b>Oral</b>	<b>Long-term systemic effects.</b>	<b>0.83 mg/kg bw/day (General population)</b>
<b>Cutaneous</b>	<b>Long term - systemic effects.</b>	<b>0.83 mg/kg bw/day (General population)</b>
<b>By inhalation</b>	<b>Long term - systemic effects.</b>	<b>2.9 mg/m<sup>3</sup> (Population general)</b>
<b>80-62-6 Methyl methacrylate</b>		
<b>Oral</b>	<b>Long-term systemic effects.</b>	<b>8.2 mg/kg bw/day (General population)</b>
<b>Cutaneous</b>	<b>Long term - systemic effects.</b>	<b>8.2 mg/kg bw/day (General population)</b>

(continued on page 10)

**Safety Data Sheet**  
pursuant to Regulation 1907/2006/EC, Article 31

Printed on: 02.02.2023

Version number 8 (replaces version 7)

Revision: 02.02.2023

(Continued from page 9)

By inhalation	Long term - local effects.	1.5 mg/m <sup>3</sup> (Population general)
	Long term - systemic effects.	74.3 mg/m <sup>3</sup> (General population)
	Long term - local effects.	104 mg/m <sup>3</sup> (Population general)

## • PNEC

**123-86-4 n-Butyl acetate**

Fresh water	0.18 mg/l (Fresh water) 0.018 mg/l (Sea water)
Sea water	0.981 mg/kg sed dw (Fresh water)
Sediments (freshwater)	0.098 mg/kg sed dw (Sea water)
Sediments (seawater) STP	
	35.6 mg/l (Segmentation, Targeting and Positioning)
Soil	0.09 mg/kg (soil)

**108-65-6 1-methyl-2-methoxyethyl acetate**

Fresh water	0.635 mg/l (Fresh water) 0.064 mg/l (Sea water)
Sea water	3.29 mg/kg sed dw (Fresh water)
Sediments (freshwater)	0.329 mg/kg sed dw (Sea water)
Sediments (seawater) STP	
	100 mg/l (Segmentation, Targeting and Positioning) 0.29 mg/kg (soil)
Soil	

**623-84-7 Propane-1,2-diyl diacetate**

Fresh water	0.082 mg/l (Fresh water) 0.0082 mg/l (Sea water)
Sea water	0.579 mg/kg sed dw (Fresh water)
Sediments (freshwater)	0.0579 mg/kg sed dw (Sea water)
Sediments (seawater) STP	
	100 mg/l (Segmentation, Targeting and Positioning) 0.0678 mg/kg (soil)
Soil	

**127519-17-9 Mixture of 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-Branched and linear C7-C9 alkyl hydroxyphenyl]propionates**

Fresh water	0.1 mg/l (Fresh water) 0.01 mg/l (Sea water)
Sea water	2,950 mg/kg sed dw (Fresh water)
Sediments (freshwater)	295 mg/kg sed dw (Sea water)
Sediments (seawater) STP	
	10 mg/l (Segmentation, Targeting and Positioning) 650 mg/kg (soil)
Soil	

**97-86-9 Isobutyl methacrylate**

Fresh water	0.021 mg/l (Fresh water) 0.002 mg/l (Sea water)
Sea water	5.89 mg/kg sed dw (Fresh water)
Sediments (freshwater)	0.589 mg/kg sed dw (Sea water)
Sediments (seawater)	

(continued on page 11)



**Safety Data Sheet**  
**pursuant to Regulation 1907/2006/EC, Article 31**

Printed on: 02.02.2023                      Version number 8 (replaces version 7)                      Revision: 02.02.2023

(Continued from page 10)

STP	10 mg/l (Segmentation, Targeting and Positioning)
Soil	1.16 mg/kg (soil)
868-77-9 2-hydroxyethyl methacrylate	
Fresh water	0.482 mg/l (Fresh water) 0.482 mg/l (Sea
Sea water	water) 3.79 mg/kg sed dw (Fresh water)
Sediments (freshwater)	
Sediments (seawater) STP	3.79 mg/kg sed dw (Sea water)
	10 mg/l (Segmentation, Targeting and Positioning) 0.476 mg/
Soil	kg (soil)
80-62-6 Methyl methacrylate	
Fresh water	0.94 mg/l (Fresh water) 0.094 mg/l (Sea
Sea water	water) 10.2 mg/kg sed dw (Fresh water)
Sediments (freshwater)	0.102 mg/kg sed dw (Sea water)
Sediments (seawater) STP	
	10 mg/l (Segmentation, Targeting and Positioning) 1.48 mg/kg
Soil	(soil)

- Further information:  
The lists valid at the date of compilation were used as a basis.
- 8.2 Exposure controls
- Appropriate technical controls No further data, see point 7.
- Individual protection measures, such as personal protective equipment
- General protective and occupational hygiene rules: Remove contaminated clothing immediately.  
Wash your hands before break or when work is finished.
- Respiratory protection  
In case of short or low load, respiratory filter device; in case of intensive or prolonged exposure, use a respirator independent of the surrounding air. We recommend a half-face mask for organic vapors and solvents according to EN140 type A1 or A2.

• Hand protection



**Protective gloves**

The glove material must be waterproof and stable against the product/substance/formulation.

Due to the lack of tests no type of glove material can be recommended with which to handle the product / formulation / chemical mixture.

Selection of glove material considering breakthrough times, permeation rates and degradation.

- Glove material  
The choice of suitable gloves does not only depend on the material but also on other quality characteristics that vary from one manufacturer to another. Since the product represents a formulation of several substances, the stability of the glove materials cannot be calculated in advance and must be tested before use

(continued on page 12)



**Safety Data Sheet  
pursuant to Regulation 1907/2006/EC, Article 31**

Printed on: 02.02.2023      Version number 8 (replaces version 7)      Revision: 02.02.2023

(Continued from page 11)

- **Penetration time of the glove material**  
Ask the glove supplier for the precise breakthrough time which must be respected.
- **Gloves made of the following materials are suitable for continuous contact:**  
  
PE gloves, recommended layer thickness: > 0.7 mm.  
for 30-120 minute contact: PVA gloves, recommended material thickness: 0.7 mm.
- **For continuous contact for a maximum of 15 minutes, gloves made of the following materials are suitable:**  
Butyl rubber
- **Gloves made of the following materials are suitable as protection against splashes:**  
  
Nitrile rubber gloves, recommended material thickness: > 0.3 mm, neoprene or butyl rubber, recommended material thickness: > 0.4 mm.
- **Eye/face protection**



Tight protective glasses

**SECTION 9: Physical and chemical properties**

- **9.1 Information on basic physical and chemical properties**
- **General information**
- **Physical state**      Liquid
- **Color:**      In accordance with the product designation
- **Odor:**      Characteristic
- **Olfactory threshold:**      Not defined.
- **Melting point/freezing point:**      Not defined.
- **Boiling point or initial boiling point and boiling range**      124-128 °C (123-86-4 n-butyl acetate) Flammable.
- **Flammability**
- **Lower and upper explosive limits**
- **Inferior:**      1.2 Vol % (123-86-4 n-butyl acetate)
- **Superior:**      10.8 Vol % (108-65-6 1-methyl-2-methoxyethyl acetate)
- **Flash point:**      33°C
- **Ignition temperature:**      315 °C (108-65-6 1-methyl-2-methoxyethyl acetate)
- **Decomposition temperature:**      Not defined.
- **pH at 20 °C**      > 15  
pH above 15.
- **Viscosity:**
- **Kinematic viscosity at 20 °C**      40 s (DIN 53211/4)

(continued on page 13)

**Safety Data Sheet**  
pursuant to Regulation 1907/2006/EC, Article 31

Printed on: 02.02.2023

Version number 8 (replaces version 7)

Revision: 02.02.2023

(Continued from page 12)

<ul style="list-style-type: none"> <li>• <b>Dynamic:</b></li> <li>• <b>Solubility</b></li> <li>• <b>waterfall:</b></li> <li>• <b>Nightnol/water partition coefficient (logarithmic value)</b></li> <li>• <b>Vapor pressure at 20 °C:</b></li> <li>• <b>Density and/or relative density</b></li> <li>• <b>Density at 20 °C:</b></li> <li>• <b>Density relative</b></li> <li>• <b>Density Of steam:</b></li> </ul>	<p>Undefined.</p> <p>Completely miscible.</p> <p>Undefined.</p> <p>10.7 hPa (123-86-4 n-butyl acetate)</p> <p>1.0277 g/cm<sup>3</sup></p> <p>Not defined.</p> <p>Not defined.</p>
<ul style="list-style-type: none"> <li>• <b>9.2 Others information</b></li> <li>• <b>I wait:</b></li> <li>• <b>Shape:</b></li> <li>• <b>Information important on protection of health and the environment as well as safety</b></li> <li>• <b>Auto-ignition temperature:</b></li> <li>• <b>Explosive properties:</b></li> <li>• <b>Tenor of solvent:</b></li> <li>• <b>Solvents organic:</b></li> <li>• <b>VOC (CE)</b></li> <li>• <b>Solid content:</b></li> <li>• <b>Change of state</b></li> <li>• <b>Speed of evaporation</b></li> </ul>	<p>Liquid</p> <p>Product not self-igniting. Product is not explosive, however the formation of explosive vapour/air mixtures is possible.</p> <p>35.5%</p> <p>365.1 g/l</p> <p>64.4 % (BV% 1h150 C)</p> <p>Not defined.</p>
<ul style="list-style-type: none"> <li>• <b>Information relating to physical hazard classes</b></li> <li>• <b>Explosives</b></li> <li>• <b>Flammable gases</b></li> <li>• <b>Aerosols</b></li> <li>• <b>Gas oxidizers</b></li> <li>• <b>Gas under pressure</b></li> <li>• <b>Flammable liquids</b></li> <li>• <b>Flammable solids</b></li> <li>• <b>Self-reactive substances and mixtures</b></li> <li>• <b>Liquids pyrophoric</b></li> <li>• <b>Solids pyrophoric</b></li> <li>• <b>Self-heating substances and mixtures</b></li> <li>• <b>Substances and mixtures which emit flammable gases when in contact with water</b></li> <li>• <b>Liquids oxidizers</b></li> <li>• <b>Solids oxidizers</b></li> <li>• <b>Peroxides organic</b></li> <li>• <b>Substances or mixtures corrosive to metals</b></li> <li>• <b>Desensitized explosives</b></li> </ul>	<p>Not applicable</p> <p>Not applicable</p> <p>Not applicable</p> <p>Not applicable</p> <p>Not applicable</p> <p>Flammable liquid and vapour. Not applicable</p> <p>Not applicable</p> <p>Not applicable</p> <p>Not applicable</p> <p>Not applicable</p> <p>Not applicable</p> <p>Not applicable</p> <p>Not applicable</p> <p>Not applicable</p> <p>Not applicable</p> <p>Not applicable</p> <p>Not applicable</p> <p>Not applicable</p> <p>Not applicable</p>

EN

(continued on page 14)

**Safety Data Sheet  
pursuant to Regulation 1907/2006/EC, Article 31**

Printed on: 02.02.2023

Version number 8 (replaces version 7)

Revision: 02.02.2023

(Continued from page 13)

### SECTION 10: Stability and reactivity

- 10.1 Reactivity No further information available.
- 10.2 Chemical stability
- Thermal decomposition/conditions to avoid:  
The product does not decompose if used according to regulations.
- 10.3 Possibility of dangerous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further information available.
- 10.5 Incompatible materials: No further information available.
- 10.6 Hazardous decomposition products:  
There are no known dangerous decomposition products.

### SECTION 11: Toxicological information

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

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

- LD/LC50 values relevant for classification:

<b>123-86-4 n-Butyl acetate</b>		
Oral	LD50	13,100 mg/kg bw (rat)
Cutaneous	LD50	> 5,000 mg/kg bw (rabbit)
By inhalation	LC50/4 h	> 21 mg/l (rat)
<b>108-65-6 1-methyl-2-methoxyethyl acetate</b>		
Oral	LD50	8,532 mg/kg bw (rat)
Cutaneous	Long-term exposure (8 hours TWA): 50 ppm	550 mg/m <sup>3</sup> (Occupational exposure limits)
By inhalation	LC50/4 h	35.7 mg/l (rat)
<b>623-84-7 Propane-1,2-diyl diacetate</b>		
Oral	LD50	5,000 mg/kg bw (rat)
Cutaneous	LD50	2,000 mg/kg bw (rab)
<b>97-86-9 Isobutyl methacrylate</b>		
Oral	LD50	11,990 mg/kg bw (mouse)
<b>868-77-9 2-hydroxyethyl methacrylate</b>		
Oral	LD50	5,050 mg/kg bw (rat)
<b>80-62-6 Methyl methacrylate</b>		
Oral	LD50	7,872 mg/kg bw (rat)
Cutaneous	Acute / short-term effects - local.	1.5 mg/cm <sup>2</sup> (Personal)
	Long term - local effects.	1.5 mg/cm <sup>2</sup> (Personal)

- Corrosion skin/skin irritation  
Based on available data, the classification criteria are not met.

(continued on page 15)

EN



**Safety Data Sheet**  
**pursuant to Regulation 1907/2006/EC, Article 31**

Printed on: 02.02.2023                      Version number 8 (replaces version 7)                      Revision: 02.02.2023

(Continued from page 14)

- **Serious eye damage/eye irritation**  
Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitization** May cause an allergic skin reaction.
- **Mutagenicity on germ cells**  
Based on available data, the classification criteria are not met.
- **Carcinogenicity**  
Based on available data, the classification criteria are not met.
- **Reproductive toxicity**  
Based on available data, the classification criteria are not met.
- **Specific target organ toxicity (STOT) - single exposure** May cause drowsiness or dizziness.
- **Specific target organ toxicity (STOT) - repeated exposure** Based on available data, the classification criteria are not met.
- **Danger in case of aspiration**  
Based on available data, the classification criteria are not met.
- **11.2 Information on other hazards**

• **Interfering properties with the endocrine system**

None of the components are contained.

\*

**SECTION 12: Ecological information**

• **12.1 Toxicity**

• **Aquatic toxicity:**

**108-65-6 1-methyl-2-methoxyethyl acetate**

EC50	408-500 mg/l (daphnia magna) (48 uur/hour)
IC 50	> 1,000 mg/l (Algae, Growth inhibition test) (72 uur/hour) 100-180 mg/l
LC50	(Fish Acute Toxicity Study) (96 uur/hour)

- **12.2 Persistence and degradability** No further information available.
- **12.3 Bioaccumulative potential** No further information available.
- **12.4 Mobility in soil** No further information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**  
The product does not contain substances with properties harmful to the endocrine system.
- **12.7 Other adverse effects**
- **Observations:** Harmful for fish.
- **Further information on environmental matters:**
- **Further information:**  
Hazard for waters class 1 (D) (Self-classification): slightly dangerous

(continued on page 16)



Safety Data Sheet  
pursuant to Regulation 1907/2006/EC, Article 31

Printed on: 02.02.2023      Version number 8 (replaces version 7)      Revision: 02.02.2023

(Continued from page 15)  
Do not enter undiluted or in large quantities into groundwater, watercourses or sewers.  
harmful to aquatic organisms

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
- Advice:  
Do not dispose of the product with household waste. Do not enter drains.

European waste catalogue

08 00 00	WASTES FROM THE PRODUCTION, FORMULATION, SUPPLY AND USE OF COATINGS (PAINTS, VARNISHES AND GLAZED ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01 00	waste from the production, formulation, supply and use as well as the removal of paints and varnishes
08 01 11*	waste paints and varnishes, containing organic solvents or other dangerous substances
HP3	Flammable
HP14	Ecotoxic

- Packaging not clean:
- Advice: Disposal in accordance with administrative provisions.
- Recommended detergent: Water possibly with the addition of detergents.

SECTION 14: Transport information

- |                              |                |
|------------------------------|----------------|
| 14.1 UN number or ID number  | UN1263         |
| ADR, IMDG, IATA              |                |
| 14.2 UN proper shipping name | 1263 PAINTINGS |
| ADR                          |                |
| IMDG, IATA                   | PAINT          |

14.3 Transport hazard classes

- ADR



- |       |                            |
|-------|----------------------------|
| Class | 3 (F1) Flammable liquids 3 |
| Label |                            |

(continued on page 17)






Safety Data Sheet  
pursuant to Regulation 1907/2006/EC, Article 31

Printed on: 02.02.2023      Version number 8 (replaces version 7)      Revision: 02.02.2023

(Continued from page 16)

· IMDG, IATA	
	
· Class	3 Flammable liquids
· Labels	3
· 14.4 Group of packaging	
· ADR, IMDG, IATA	III
· 14.5 Dangers for the environment	
· Marine pollutant:	No
· 14.6 Special precautions for users	
· Hazard identification number (Kemler number):	Attention: Flammable liquids
· Number EMS:	30
· Stowage Category	FE,SELF TO
· 14.7 Maritime transport in bulk in accordance with IMO acts	Not applicable.
· Shipping/additional directions:	
· ADR	
· Amount exempt (EQ):	E1
· Amount limited (LQ)	5L
· Amount exempt (EQ)	Code: E1
	Maximum net quantity per internal packaging: 30 ml
	Maximum net quantity per external packaging: 1000 ml
· Category of transport	3
· Tunnel restriction code	D/E
· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1
	Maximum net quantity for inner packaging: 30 ml
	Maximum net quantity for outer packaging: 1000 ml
· UN "Model Regulation":	A 1263 PAINTINGS, 3, III

EN

(continued on page 18)

**Safety Data Sheet  
pursuant to Regulation 1907/2006/EC, Article 31**

Printed on: 02.02.2023

Version number 8 (replaces version 7)

Revision: 02.02.2023

(Continued from page 17)

**SECTION 15: Regulatory information**• **15.1 Health, safety and environmental laws and regulations specific for the substance or mixture**

- Directive 2012/18/EU
- Specified dangerous substances - ANNEX I None of the components are contained.
- Seveso category P5c FLAMMABLE LIQUIDS
- Trigger quantity (tonnes) for the purposes of applying the lower threshold requirements

5,000 tons

- Limit quantity (tonnes) for the purposes of applying the upper threshold requirements

50,000 tons

- REGULATION (EC) n. 1907/2006 ANNEX XVII Restrictions: 3

- Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment - Annex II

None of the components are contained.

- REGULATION (EU) 2019/1148

- Annex I - PRECURSORS OF RESTRICTED EXPLOSIVES (Upper limit value for licensing purposes under Article 5(3))

None of the components are contained.

- Annex II - PRECURSORS OF EXPLOSIVES SUBJECT TO REPORTING

None of the components are contained.

- Regulation (EC) n. 273/2004 relating to drug precursors

None of the components are contained.

- Regulation (EC) No. 111/2005 laying down rules for the control of trade in drug precursors between the Community and third countries

None of the components are contained.

- Provisions national:

- Instruction air technique:

Class	share in %
NC	25-50

- 15.2 Chemical safety assessment:

A chemical safety assessment has not been carried out.

**SECTION 16: Other information**

The data are reported based on our current knowledge, however they do not represent any guarantee of the characteristics of the product and do not justify any contractual legal relationship.

- Phrases relevant

H225 Highly flammable liquid and vapour. Flammable  
H226 liquid and vapour.

(continued on page 19)

EN

**Safety Data Sheet  
pursuant to Regulation 1907/2006/EC, Article 31**

Printed on: 02.02.2023

Version number 8 (replaces version 7)

Revision: 02.02.2023

(Continued from page 18)

**H304 It can be lethal if ingested and enters the respiratory tract.****H315 Causes skin irritation.****H317 May cause an allergic skin reaction. Causes serious eye irritation.****H335 May irritate the respiratory tract. May cause drowsiness or dizziness.****H411 Toxic to aquatic organisms with long lasting effects. May be harmful to aquatic****H413 organisms with long-lasting effects.****EUH066 Repeated exposure may cause dryness or cracking of the skin skin.**• **Date of previous version: 19.11.2021**• **Version number of previous version: 7**• **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods IATA:

International Air Transport Association

GHS: Globally Harmonized System of Classification and Labeling of Chemicals EINECS: European

Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society) VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH) LC50:

Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic vPvB: very

Persistent and very Bioaccumulative Flam. Liq. 2: Flammable

liquids - Category 2 Flam. Liq. 3: Flammable liquids - Category

3

Skin Irrit. 2: Skin corrosion/irritation - Category 2 Eye Irrit. 2: Serious eye damage/eye irritation - Category 2 Skin Sens. 1: Skin sensitization - Category 1

Skin Sens. 1B: Skin sensitization - Category 1B

STOT SE 3: Specific target organ toxicity (single exposure) - Category 3 Asp. Tox. 1: Aspiration hazard - Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term hazard to the aquatic environment - Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term hazard to the aquatic environment - Category 3

Aquatic Chronic 4: Hazardous to the aquatic environment - long-term hazard to the aquatic environment - Category 4

• **\* Data changed compared to the previous version**