

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Reference number: 318

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product form : Mixture  
Product name : 045101-02 UNDERBODY COATING SPRAY BLINKER  
Product code : 045101

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.2.1. Relevant identified uses**

Main use category : Professional use  
Use of the substance/mixture : Anti-corrosive paints

**1.2.2. Uses advised against**

No additional information available

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

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**1.4. Emergency telephone number**

Emergency number : ESPAÑA: 954 37 12 33 (INTCF) // PORTUGAL: 800 250 250 (CIAV) // FRANCE: 05 61 77 74 47

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Aerosol, Category 1	H222;H229
Serious eye damage/eye irritation, Category 2	H319
Skin sensitisation, Category 1	H317
Specific target organ toxicity – Single exposure, Category 3,	H336
Narcosis	
Hazardous to the aquatic environment – Chronic Hazard,	H412
Category 3	

Full text of H- and EUH-statements: see section 16

**Adverse physicochemical, human health and environmental effects**

Pressurised container: May burst if heated. Extremely flammable aerosol.

# 045101-02 UNDERBODY COATING SPRAY BLINKER

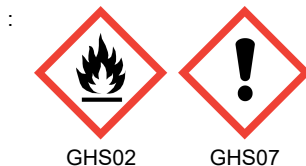
## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



Signal word (CLP)

Contains

Hazard statements (CLP)

Precautionary statements (CLP)

EUH-statements

Extra phrases

- : Danger
- : Ethyl acetate; n-Butyl acetate; propanone; rosin; colophony
- : H222 - Extremely flammable aerosol.
- : H229 - Pressurised container: May burst if heated.
- : H317 - May cause an allergic skin reaction.
- : H319 - Causes serious eye irritation.
- : H336 - May cause drowsiness or dizziness.
- : H412 - Harmful to aquatic life with long lasting effects.
- : P101 - Si se necesita consejo médico, tener a mano el envase o la etiqueta.
- : P102 - Keep out of reach of children.
- : P210 - Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
- : P211 - Do not spray on an open flame or other ignition source.
- : P251 - Pressurized container: Do not pierce or burn, even after use.
- : P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
- : P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
- : P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
- : EUH066 - Repeated exposure may cause skin dryness or cracking.
- : EUH211 - Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
- : Without sufficient ventilation explosive mixtures can form.

### 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
n-Butyl acetate	CAS-No.: 123-86-4 EC-No.: 204-658-1 EC Index-No.: 607-025-00-1 REACH-no: 01-2119485493-29	12,5 – 20	Flam. Liq. 3, H226 STOT SE 3, H336
Propane	CAS-No.: 74-98-6 EC-No.: 200-827-9 EC Index-No.: 601-003-00-5 REACH-no: 01-2119486944-21	12,5 – 20	Flam. Gas 1A, H220 Press. Gas (Comp.), H280

# 045101-02 UNDERBODY COATING SPRAY BLINKER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Ethyl acetate	CAS-No.: 141-78-6 EC-No.: 205-500-4 EC Index-No.: 607-022-00-5 REACH-no: 01-2119475103-46	5 – 10	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
propanone	CAS-No.: 67-64-1 EC-No.: 200-662-2 EC Index-No.: 606-001-00-8 REACH-no: 01-2119471330-49	5 – 10	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Isobutane	CAS-No.: 75-28-5 EC-No.: 200-857-2 EC Index-No.: 601-004-00-0 REACH-no: 01-2119485395-27	5 – 10	Flam. Gas 1A, H220 Press. Gas (Comp.), H280
Butane	CAS-No.: 106-97-8 EC-No.: 203-448-7 EC Index-No.: 601-004-00-0 REACH-no: 01-2119474691-32	5 – 10	Flam. Gas 1A, H220 Press. Gas (Comp.), H280
Hydrocarbons, C9, aromatic	EC-No.: 918-668-5 REACH-no: 01-2119455851-35	2,5 – 5	Flam. Liq. 3, H226 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
rosin; colophony	CAS-No.: 8050-09-7 EC-No.: 232-475-7 EC Index-No.: 650-015-00-7 REACH-no: 01-2119480418-32	2,5 – 5	Skin Sens. 1, H317
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, Cyclics	EC-No.: 920-750-0 REACH-no: 01-2119473851-33	2,5 – 5	Flam. Liq. 2, H225 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Xylene	CAS-No.: 1330-20-7 EC-No.: 215-535-7 EC Index-No.: 601-022-00-9 REACH-no: 01-2119488216-32	< 2,5	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315
Titanium dioxide	CAS-No.: 13463-67-7 EC-No.: 236-675-5 EC Index-No.: 022-006-00-2 REACH-no: 01-2119489379-17	< 2,5	Carc. 2, H351

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general

: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

# 045101-02 UNDERBODY COATING SPRAY BLINKER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
First-aid measures after skin contact	: Wash skin with plenty of water. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash with plenty of water/.... If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see supplemental first aid instruction on this label). Wash contaminated clothing before reuse.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Rinse eyes with water as a precaution. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/effects after inhalation	: May cause an allergic skin reaction. May cause drowsiness or dizziness.
Symptoms/effects after eye contact	: Causes serious eye irritation.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.

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

Fire hazard	: Extremely flammable aerosol.
Explosion hazard	: Pressurised container: May burst if heated.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

### 5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

Emergency procedures	: Ventilate spillage area. No open flames, no sparks, and no smoking. Evacuate unnecessary personnel.
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#### 6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". Equip cleanup crew with proper protection. Avoid breathing dust/fume/gas/mist/vapours/spray.
Emergency procedures	: Ventilate area.

### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

Methods for cleaning up	: Mechanically recover the product. Store away from other materials.
Other information	: Dispose of materials or solid residues at an authorized site.

# 045101-02 UNDERBODY COATING SPRAY BLINKER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 6.4. Reference to other sections

For further information refer to section 13. See Section 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash hands, forearms and face thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

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

- Storage conditions : Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store in a well-ventilated place. Keep cool. Keep only in the original container in a cool, well ventilated place away from : Keep container tightly closed.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

Ethyl acetate (141-78-6)	
<b>Portugal - Occupational Exposure Limits</b>	
Local name	Acetato de etilo
OEL TWA [ppm]	400 ppm
<b>Spain - Occupational Exposure Limits</b>	
Local name	Acetato de etilo
VLA-ED (OEL TWA) [1]	1460 mg/m <sup>3</sup>
VLA-ED (OEL TWA) [2]	400 ppm
<b>United Kingdom - Occupational Exposure Limits</b>	
Local name	Ethyl acetate
WEL TWA (OEL TWA) [2]	200 ppm
WEL STEL (OEL STEL) [ppm]	400 ppm
<b>propanone (67-64-1)</b>	
<b>EU - Indicative Occupational Exposure Limit (IOEL)</b>	
Local name	Acetone
IOEL TWA	1210 mg/m <sup>3</sup>

# 045101-02 UNDERBODY COATING SPRAY BLINKER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

propanone (67-64-1)	
IOEL TWA [ppm]	500 ppm
<b>Portugal - Occupational Exposure Limits</b>	
Local name	Acetona
OEL TWA [ppm]	500 ppm
OEL STEL [ppm]	750 ppm
<b>Spain - Occupational Exposure Limits</b>	
Local name	Acetona
VLA-ED (OEL TWA) [1]	1210 mg/m <sup>3</sup>
VLA-ED (OEL TWA) [2]	500 ppm
Remark	VLB® (Agente químico que tiene Valor Límite Biológico específico en este documento.) , VLI (Agente químico para el que la U.E. estableció en su día un valor límite indicativo. Todos estos agentes químicos figuran al menos en una de las directivas de valores límite indicativos publicadas hasta ahora (ver Anexo C. Bibliografía). Los estados miembros disponen de un tiempo fijado en dichas directivas para su transposición a los valores límites de cada país miembro. Una vez adoptados, estos valores tienen la misma validez que el resto de los valores adoptados por el país.)
<b>United Kingdom - Occupational Exposure Limits</b>	
Local name	Acetone
WEL TWA (OEL TWA) [1]	1210 mg/m <sup>3</sup>
WEL TWA (OEL TWA) [2]	500 ppm
WEL STEL (OEL STEL)	3620 mg/m <sup>3</sup>
WEL STEL (OEL STEL) [ppm]	1500 ppm
<b>Xylene (1330-20-7)</b>	
<b>EU - Indicative Occupational Exposure Limit (IOEL)</b>	
Local name	Xylene, mixed isomers, pure
IOEL TWA	221 mg/m <sup>3</sup>
IOEL TWA [ppm]	50 ppm
IOEL STEL	442 mg/m <sup>3</sup>
IOEL STEL [ppm]	100 ppm
Remark	Skin
<b>Portugal - Occupational Exposure Limits</b>	
Local name	Xileno (isómeros )
OEL TWA [ppm]	100 ppm
OEL STEL [ppm]	150 ppm
<b>Spain - Occupational Exposure Limits</b>	
Local name	Xilenos, mezcla isómeros
VLA-ED (OEL TWA) [1]	221 mg/m <sup>3</sup>
VLA-ED (OEL TWA) [2]	50 ppm
VLA-EC (OEL STEL)	442 mg/m <sup>3</sup>
VLA-EC (OEL STEL) [ppm]	100 ppm

# 045101-02 UNDERBODY COATING SPRAY BLINKER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

<b>Xylene (1330-20-7)</b>	
Remark	Vía dérmica: (Indica que, en las exposiciones a esta sustancia, la aportación por la vía cutánea puede resultar significativa para el contenido corporal total si no se adoptan medidas para prevenir la absorción. En estas situaciones, es aconsejable la utilización del control biológico para poder cuantificar la cantidad global absorbida del contaminante. Para más información véase el Apartado 5 de este documento.), VLB® (Agente químico que tiene Valor Límite Biológico específico en este documento.), VLI (Agente químico para el que la U.E. estableció en su día un valor límite indicativo. Todos estos agentes químicos figuran al menos en una de las directivas de valores límite indicativos publicadas hasta ahora (ver Anexo C. Bibliografía). Los estados miembros disponen de un tiempo fijado en dichas directivas para su transposición a los valores límites de cada país miembro. Una vez adoptados, estos valores tienen la misma validez que el resto de los valores adoptados por el país.)
<b>United Kingdom - Occupational Exposure Limits</b>	
Local name	Xylene, o-,m-,p- or mixed isomers
WEL TWA (OEL TWA) [1]	220 mg/m <sup>3</sup>
WEL TWA (OEL TWA) [2]	50 ppm
WEL STEL (OEL STEL)	441 mg/m <sup>3</sup>
WEL STEL (OEL STEL) [ppm]	100 ppm
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity), BMGV (Biological monitoring guidance values are listed in Table 2)
<b>Butane (106-97-8)</b>	
<b>United Kingdom - Occupational Exposure Limits</b>	
Local name	Butane
WEL TWA (OEL TWA) [1]	1450 mg/m <sup>3</sup>
WEL TWA (OEL TWA) [2]	600 ppm
WEL STEL (OEL STEL)	1810 mg/m <sup>3</sup>
WEL STEL (OEL STEL) [ppm]	750 ppm
Remark	Carc (Capable of causing cancer and/or heritable genetic damage. See paragraphs 49–51), (only applies if Butane contains more than 0.1% of buta-1,3-diene)

### 8.1.2. Recommended monitoring procedures

No additional information available

### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

<b>Ethyl acetate (141-78-6)</b>	
<b>DNEL/DMEL (Workers)</b>	
Acute - systemic effects, inhalation	1428 mg/m <sup>3</sup>
Acute - local effects, inhalation	1468 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	63 mg/kg KW
Long-term - systemic effects, inhalation	734 mg/m <sup>3</sup>
Long-term - local effects, inhalation	734 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Acute - systemic effects, inhalation	734 mg/m <sup>3</sup>

# 045101-02 UNDERBODY COATING SPRAY BLINKER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

<b>Ethyl acetate (141-78-6)</b>	
Acute - local effects, inhalation	734 mg/m <sup>3</sup>
Long-term - systemic effects, oral	4,5 mg/kg KW
Long-term - systemic effects, inhalation	367 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	37 mg/kg KW
Long-term - local effects, inhalation	367 mg/m <sup>3</sup>
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	0,24 mg/l
PNEC aqua (marine water)	0,024 mg/l
PNEC aqua (intermittent, freshwater)	1,65 mg/l
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	1,15 mg/kg KW
PNEC sediment (marine water)	0,115 mg/kg KW
<b>PNEC (Soil)</b>	
PNEC soil	0,148 mg/kg KW
<b>PNEC (Oral)</b>	
PNEC oral (secondary poisoning)	200 mg/kg
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	650 mg/l
<b>n-Butyl acetate (123-86-4)</b>	
<b>DNEL/DMEL (Workers)</b>	
Acute - systemic effects, dermal	11 mg/kg bw/day
Acute - systemic effects, inhalation	600 mg/m <sup>3</sup>
Acute - local effects, inhalation	600 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	7 mg/kg bw/day
Long-term - systemic effects, inhalation	48 mg/m <sup>3</sup>
Long-term - local effects, inhalation	300 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Acute - systemic effects, dermal	6 mg/kg bw/day
Acute - systemic effects, inhalation	300 mg/m <sup>3</sup>
Acute - systemic effects, oral	2 mg/kg bw/day
Acute - local effects, inhalation	300 mg/m <sup>3</sup>
Long-term - systemic effects, oral	2 mg/kg bw/day
Long-term - systemic effects, inhalation	12 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	3,4 mg/kg bw/day
Long-term - local effects, inhalation	35,7 mg/m <sup>3</sup>
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	0,18 mg/l
PNEC aqua (marine water)	0,018 mg/l
PNEC aqua (intermittent, freshwater)	0,36 mg/l

# 045101-02 UNDERBODY COATING SPRAY BLINKER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

<b>n-Butyl acetate (123-86-4)</b>	
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	0,981 mg/kg wet weight
PNEC sediment (marine water)	0,0981 mg/kg wet weight
<b>PNEC (Soil)</b>	
PNEC soil	0,09 mg/kg KW
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	35,6 mg/l
<b>propanone (67-64-1)</b>	
<b>DNEL/DMEL (Workers)</b>	
Acute - local effects, inhalation	2420 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	186 mg/kg bw/day
Long-term - systemic effects, inhalation	1210 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Long-term - systemic effects, oral	62 mg/m <sup>3</sup>
Long-term - systemic effects, inhalation	200 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	62 mg/kg bw/day
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	10,6 mg/l
PNEC aqua (marine water)	1,06 mg/l
PNEC aqua (intermittent, freshwater)	21 mg/l
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	30,04 mg/kg wet weight
PNEC sediment (marine water)	3,04 mg/kg wet weight
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	100 mg/l
<b>Hydrocarbons, C9, aromatic</b>	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, dermal	25 mg/kg KW
Long-term - systemic effects, inhalation	150 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Long-term - systemic effects, oral	11 mg/kg KW
Long-term - systemic effects, inhalation	32 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	11 mg/kg KW
<b>rosin; colophony (8050-09-7)</b>	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, dermal	17 mg/kg KW
Long-term - systemic effects, inhalation	117 mg/m <sup>3</sup>

# 045101-02 UNDERBODY COATING SPRAY BLINKER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

<b>rosin; colophony (8050-09-7)</b>	
<b>DNEL/DMEL (General population)</b>	
Long-term - systemic effects, oral	10 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	35 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	10 mg/kg bodyweight/day
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	0,005 mg/l
PNEC aqua (marine water)	0,0005 mg/l
PNEC aqua (intermittent, freshwater)	0,016 mg/l
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	0,007 mg/kg KW
PNEC sediment (marine water)	0,0007 mg/kg KW
<b>PNEC (Soil)</b>	
PNEC soil	21,4 mg/kg dwt
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	1000 mg/l
<b>Xylene (1330-20-7)</b>	
<b>DNEL/DMEL (Workers)</b>	
Acute - systemic effects, inhalation	442 mg/m <sup>3</sup>
Acute - local effects, inhalation	442 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	212 mg/kg KW
Long-term - systemic effects, inhalation	77 mg/m <sup>3</sup>
Long-term - local effects, inhalation	221 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Acute - systemic effects, inhalation	260 mg/m <sup>3</sup>
Acute - local effects, inhalation	260 mg/m <sup>3</sup>
Long-term - systemic effects, oral	12,5 mg/kg KW
Long-term - systemic effects, inhalation	65,3 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	125 mg/kg KW
Long-term - local effects, inhalation	65,3 mg/m <sup>3</sup>
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	0,327 mg/l
PNEC aqua (marine water)	0,327 mg/l
PNEC aqua (intermittent, freshwater)	0,327 mg/l
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	12,46 mg/kg KW
PNEC sediment (marine water)	12,46 mg/kg KW
<b>PNEC (Soil)</b>	
PNEC soil	2,31 mg/kg KW

# 045101-02 UNDERBODY COATING SPRAY BLINKER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Xylene (1330-20-7)	
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	6,58 mg/l
<b>Hydrocarbons, C7-C9, n-alkanes, isoalkanes, Cyclics</b>	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, dermal	773 mg/kg KW
Long-term - systemic effects, inhalation	2035 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Long-term - systemic effects, oral	699 mg/kg KW
Long-term - systemic effects, inhalation	608 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	699 mg/kg KW

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Avoid all unnecessary exposure.

#### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Safety glasses. Chemical goggles or safety glasses.

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Wear suitable protective clothing

##### Hand protection:

Protective gloves

Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
	Butyl rubber	6 (> 480 minutes)	0,4		

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

Filter. A2/P3

#### 8.2.2.4. Thermal hazards

No additional information available

# 045101-02 UNDERBODY COATING SPRAY BLINKER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

#### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

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

Physical state	: Spray
Colour	: white.
Appearance	: Aerosol.
Odour	: Similar to solvent.
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not self-igniting, Extremely flammable aerosol, Non flammable.
Explosive properties	: Pressurised container: May burst if heated.
Lower explosion limit	: 1,2 vol %
Upper explosion limit	: 10,9 vol %
Flash point	: Not applicable as it is a spray.
Auto-ignition temperature	: 365 °C
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: Not applicable
Solubility	: Not miscible or difficult to mix with water.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: 3500 hPa
Vapour pressure at 50°C	: Not available
Density	: 0,8 g/cm <sup>3</sup>
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

VOC content : 69,2 %

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Extremely flammable aerosol. Pressurised container: May burst if heated.

### 10.2. Chemical stability

Stable under normal conditions. Not established.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use. Not established.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition. Direct sunlight. Extremely high or low temperatures.

# 045101-02 UNDERBODY COATING SPRAY BLINKER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. fume. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

#### Ethyl acetate (141-78-6)

LD50 oral rat	4100 mg/kg
LD50 dermal rat	5620 mg/kg
LC50 Inhalation - Rat	1600 mg/l/4h

#### n-Butyl acetate (123-86-4)

LD50 oral rat	> 6400 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 Inhalation - Rat	0,74 mg/l/4h

#### propanone (67-64-1)

LD50 oral	5300 mg/kg
LD50 dermal rabbit	> 20 ml/kg
LC50 Inhalation - Rat	76 mg/l/4h

#### Hydrocarbons, C9, aromatic

LD50 oral	3592 mg/kg
LD50 dermal rabbit	> 3160 mg/kg
LC50 Inhalation - Rat [ppm]	3400 ppm/4h

#### rosin; colophony (8050-09-7)

LD50 oral rat	2800 mg/kg
LD50 dermal rat	> 2000 mg/kg

#### Xylene (1330-20-7)

LD50 oral rat	2100 mg/kg
LD50 dermal rat	1100 mg/kg
LC50 Inhalation - Rat	11 mg/l/4h

#### Isobutane (75-28-5)

LD50 oral	> 2000 mg/kg
LD50 dermal	> 2000 mg/kg
LC50 Inhalation - Rat	> 5 mg/l/4h

#### Hydrocarbons, C7-C9, n-alkanes, isoalkanes, Cyclics

LD50 oral rat	> 2000 mg/kg
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# 045101-02 UNDERBODY COATING SPRAY BLINKER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

<b>Hydrocarbons, C7-C9, n-alkanes, isoalkanes, Cyclics</b>	
LD50 dermal rabbit	> 2800 mg/kg
LC50 Inhalation - Rat	> 23 mg/l/4h
<b>Titanium dioxide (13463-67-7)</b>	
LD50 oral rat	10000 mg/kg
LD50 dermal rabbit	10000 mg/kg
LC50 Inhalation - Rat	> 5 mg/l
<b>Butane (106-97-8)</b>	
LD50 oral rat	> 2000 mg/kg
LC50 Inhalation - Rat	658 mg/l/4h
Skin corrosion/irritation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-single exposure	: May cause drowsiness or dizziness.
<b>Ethyl acetate (141-78-6)</b>	
STOT-single exposure	May cause drowsiness or dizziness.
<b>n-Butyl acetate (123-86-4)</b>	
STOT-single exposure	May cause drowsiness or dizziness.
<b>propanone (67-64-1)</b>	
STOT-single exposure	May cause drowsiness or dizziness.
<b>Hydrocarbons, C9, aromatic</b>	
STOT-single exposure	May cause drowsiness or dizziness. May cause respiratory irritation.
<b>Hydrocarbons, C7-C9, n-alkanes, isoalkanes, Cyclics</b>	
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified
Additional information	: Based on available data, the classification criteria are not met
<b>11.2. Information on other hazards</b>	
<b>11.2.1. Endocrine disrupting properties</b>	
No additional information available	
<b>11.2.2. Other information</b>	
Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met

# 045101-02 UNDERBODY COATING SPRAY BLINKER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Ecology - water : Harmful to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Harmful to aquatic life with long lasting effects.

#### 12.2. Persistence and degradability

##### 045101-02 UNDERBODY COATING SPRAY BLINKER

Persistence and degradability	May cause long-term adverse effects in the environment.
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#### 12.3. Bioaccumulative potential

##### 045101-02 UNDERBODY COATING SPRAY BLINKER

Bioaccumulative potential	Not established.
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#### 12.4. Mobility in soil

No additional information available

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

No additional information available

#### 12.6. Endocrine disrupting properties

No additional information available

#### 12.7. Other adverse effects

Additional information : Avoid release to the environment.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Ecology - waste materials : Avoid release to the environment.

### SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

#### 14.1. UN number or ID number

UN-No. (ADR) : UN 1950

UN-No. (IMDG) : UN 1950

UN-No. (IATA) : UN 1950

UN-No. (ADN) : UN 1950

UN-No. (RID) : UN 1950

#### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : AEROSOLS

# 045101-02 UNDERBODY COATING SPRAY BLINKER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Proper Shipping Name (IMDG)	: AEROSOLS
Proper Shipping Name (IATA)	: Aerosols, flammable
Proper Shipping Name (ADN)	: AEROSOLS
Proper Shipping Name (RID)	: AEROSOLS
Transport document description (ADR)	: UN 1950 AEROSOLS, 2.1, (D)
Transport document description (IMDG)	: UN 1950 AEROSOLS, 2.1
Transport document description (IATA)	: UN 1950 Aerosols, flammable, 2.1
Transport document description (ADN)	: UN 1950 AEROSOLS, 2.1
Transport document description (RID)	: UN 1950 AEROSOLS, 2.1

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR)	: 2.1
Danger labels (ADR)	: 2.1



#### IMDG

Transport hazard class(es) (IMDG)	: 2.1
Danger labels (IMDG)	: 2.1



#### IATA

Transport hazard class(es) (IATA)	: 2.1
Danger labels (IATA)	: 2.1



#### ADN

Transport hazard class(es) (ADN)	: 2.1
Danger labels (ADN)	: 2.1



#### RID

Transport hazard class(es) (RID)	: 2.1
Danger labels (RID)	: 2.1



### 14.4. Packing group

Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
Packing group (ADN)	: Not applicable
Packing group (RID)	: Not applicable

# 045101-02 UNDERBODY COATING SPRAY BLINKER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 14.5. Environmental hazards

Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available

### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR)	: 5F
Special provisions (ADR)	: 190, 327, 344, 625
Limited quantities (ADR)	: 1I
Excepted quantities (ADR)	: E0
Packing instructions (ADR)	: P207, LP02
Special packing provisions (ADR)	: PP87, RR6, L2
Mixed packing provisions (ADR)	: MP9
Transport category (ADR)	: 2
Special provisions for carriage - Packages (ADR)	: V14
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV9, CV12
Special provisions for carriage - Operation (ADR)	: S2
Tunnel restriction code (ADR)	: D

#### Transport by sea

Special provisions (IMDG)	: 63, 190, 277, 327, 344, 959
Limited quantities (IMDG)	: 1 L
Excepted quantities (IMDG)	: E0
Packing instructions (IMDG)	: P207, LP02
Special packing provisions (IMDG)	: PP87, L2
EmS-No. (Fire)	: F-D
EmS-No. (Spillage)	: S-U
Stowage category (IMDG)	: None
Stowage and handling (IMDG)	: SW1, SW22
Segregation (IMDG)	: SG69
MFAG-No	: 126

#### Air transport

PCA Excepted quantities (IATA)	: E0
PCA Limited quantities (IATA)	: Y203
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 203
PCA max net quantity (IATA)	: 75kg
CAO packing instructions (IATA)	: 203
CAO max net quantity (IATA)	: 150kg
Special provisions (IATA)	: A145, A167, A802
ERG code (IATA)	: 10L

#### Inland waterway transport

Classification code (ADN)	: 5F
Special provisions (ADN)	: 190, 327, 344, 625
Limited quantities (ADN)	: 1 L
Excepted quantities (ADN)	: E0
Equipment required (ADN)	: PP, EX, A
Ventilation (ADN)	: VE01, VE04
Number of blue cones/lights (ADN)	: 1

#### Rail transport

Classification code (RID)	: 5F
Special provisions (RID)	: 190, 327, 344, 625
Limited quantities (RID)	: 1L
Excepted quantities (RID)	: E0
Packing instructions (RID)	: P207, LP02
Special packing provisions (RID)	: PP87, RR6, L2

# 045101-02 UNDERBODY COATING SPRAY BLINKER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Mixed packing provisions (RID) : MP9  
Transport category (RID) : 2  
Special provisions for carriage – Packages (RID) : W14  
Special provisions for carriage - Loading, unloading and handling (RID) : CW9, CW12  
Colis express (express parcels) (RID) : CE2  
Hazard identification number (RID) : 23

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

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

##### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

##### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

##### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

##### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

##### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

##### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

##### VOC Directive (2004/42)

VOC content : 69,2 %

##### Explosives Precursors Regulation (2019/1148)

Contains substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

#### ANNEX II REPORTABLE EXPLOSIVES PRECURSORS

List of substances on their own or in mixtures or in substances for which suspicious transactions and significant disappearances and thefts are to be reported to the relevant national contact point within 24 hours.

Name	CAS-No.	Combined Nomenclature code (CN)	Combined Nomenclature code for mixture without constituents which would determine classification under another CN code
Acetone	67-64-1	2914 11 00	ex 3824 99 92

Please see [https://ec.europa.eu/home-affairs/system/files/2021-11/list\\_of\\_competent\\_authorities\\_and\\_national\\_contact\\_points\\_en.pdf](https://ec.europa.eu/home-affairs/system/files/2021-11/list_of_competent_authorities_and_national_contact_points_en.pdf)

##### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

# 045101-02 UNDERBODY COATING SPRAY BLINKER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 15.1.2. National regulations

#### France

Occupational diseases	
Code	Description
RG 4 BIS	Gastrointestinal disorders caused by benzene, toluene, xylenes and all products containing them
RG 65	Eczematiform lesions of allergic mechanism
RG 66	Occupational rhinitis and asthma
RG 84	Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide

#### Germany

Water hazard class (WGK) : WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1).  
Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

#### Netherlands

SZW-lijst van kankerverwekkende stoffen : rosin; colophony is listed  
SZW-lijst van mutagene stoffen : rosin; colophony is listed  
SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed  
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : None of the components are listed  
SZW-lijst van reprotoxische stoffen – Ontwikkeling : Xylene is listed

#### Denmark

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product  
The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

#### Switzerland

Storage class (LK) : LK 2 - Liquefied or pressurized gases

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.  
Other information : None.

Full text of H- and EUH-statements:	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 2	Carcinogenicity, Category 2
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH211	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

# 045101-02 UNDERBODY COATING SPRAY BLINKER

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Full text of H- and EUH-statements:	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Gas 1A	Flammable gases, Category 1A
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Press. Gas (Comp.)	Gases under pressure : Compressed gas
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.