

PROLOC MARINE LINE PR102 GLAZING PRIMER

Safety Data Sheet

According to Regulation (EU) 2015/830

Date of issue: 1/24/2017

Revision date:

Supersedes:

Version: 0.0

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

1.1. Product identifier

Product form : Mixtures
Trade name : PROLOC MARINE LINE PR102 GLAZING PRIMER
Type of product : Primer
Product group : Trade product

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

1.2.1. Relevant identified uses

No additional information available

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

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34555 İSTANBUL - TURKEY
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1.4. Emergency telephone number

Emergency number : +90 2127711371 (9:00 am- 17:00 pm GMT+2)

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre, Wolfson Unit	Claremont Place Newcastle-upon-Tyne NE1 4LP Newcastle	0344 892 0111	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flammable liquids, Category 2 H225
Serious eye damage/eye irritation, Category 2 H319
Sensitisation — Skin, Category 1 H317
Specific target organ toxicity — Single exposure, Category 3, Narcosis H336

Full text of hazard classes and H-statements : see section 16

Adverse physicochemical, human health and environmental effects

Highly flammable liquid and vapour. May cause drowsiness or dizziness. May cause an allergic skin reaction. Causes serious eye irritation.

2.2. Label elements

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

Hazard pictograms (CLP)



GHS02

GHS07

Signal word (CLP) : Danger

Hazardous ingredients : Ethyl acetate; Hexane, 1,6-diisocyanato-, homopolymer; Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-, homopolymer

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Hazard statements (CLP)	: H225 - Highly flammable liquid and vapour H317 - May cause an allergic skin reaction H319 - Causes serious eye irritation H336 - May cause drowsiness or dizziness
Precautionary statements (CLP)	: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking P233 - Keep container tightly closed P240 - Ground/bond container and receiving equipment P241 - Use explosion-proof electrical, lighting, ventilating equipment P261 - Avoid breathing dust, fume, gas, mist, spray, vapours P271 - Use only outdoors or in a well-ventilated area P280 - Wear face protection, eye protection, protective gloves P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P312 - Call a doctor, a POISON CENTER if you feel unwell P333+P313 - If skin irritation or rash occurs: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention P370+P378 - In case of fire: Use carbon dioxide (CO ₂), dry extinguishing powder, alcohol resistant foam, Water fog to extinguish P403+P235 - Store in a well-ventilated place. Keep cool P405 - Store locked up P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation
EUH-statements	: EUH066 - Repeated exposure may cause skin dryness or cracking

2.3. Other hazards

No additional information available

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]
ethyl acetate	(CAS No) 141-78-6 (EC no) 205-500-4 (EC index no) 607-022-00-5 (REACH-no) 01-2119475103-46	55	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Hexane, 1,6-diisocyanato-, homopolymer	(CAS No) 28182-81-2 (EC no) 500-060-2 (REACH-no) 01-2119485796-17	10	Acute Tox. 4 (Inhalation), H332 Skin Sens. 1, H317 STOT SE 3, H335
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	10	Flam. Liq. 3, H226 STOT SE 3, H336
Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-, homopolymer	(CAS No) 53880-05-0 (EC no) 500-125-5	10	Skin Sens. 1, H317
Tris(p-isocyanatophenyl) thiophosphate	(CAS No) 4151-51-3 (EC no) 223-981-9	10	Acute Tox. 4 (Oral), H302
2-methoxy-1-methylethyl acetate	(CAS No) 108-65-6 (EC no) 203-603-9 (EC index no) 607-195-00-7 (REACH-no) 01-2119475791-29	5	Flam. Liq. 3, H226

Full text of H-statements: see section 16

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SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. 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.

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

Symptoms/injuries	: May cause drowsiness or dizziness.
Symptoms/injuries after skin contact	: May cause an allergic skin reaction. Repeated exposure may cause skin dryness or cracking.
Symptoms/injuries after eye contact	: 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.
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5.2. Special hazards arising from the substance or mixture

Fire hazard	: Highly flammable liquid and vapour.
Hazardous decomposition products in case of fire	: Carbon dioxide. Carbon monoxide. Nitrogen oxides. Sulphur dioxide. Hydrogen cyanide.

5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Eliminate all ignition sources if safe to do so. Evacuate area. 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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Evacuate area. Notify authorities if product enters sewers or public waters. Use special care to avoid static electric charges. No flames, no sparks. Eliminate all sources of ignition.
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6.1.1. For non-emergency personnel

Emergency procedures	: Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.
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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".
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6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
Other information	: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.
- Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Ground/bond container and receiving equipment.
- Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.
- Incompatible products : Oxidizing agent. Strong acids. Aliphatic amine. Nitrates.
- Incompatible materials : Heat sources. Sources of ignition.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

PROLOC MARINE LINE PR102 GLAZING PRIMER		
EU	Local name	Ethyl Acetate
EU	IOELV TWA (mg/m ³)	734 mg/m ³
EU	IOELV TWA (ppm)	200 ppm
EU	IOELV STEL (mg/m ³)	1468 mg/m ³
EU	IOELV STEL (ppm)	400 ppm
EU	Notes	SCOEL Recommendations (2008)
Austria	Local name	Ethylacetat
Austria	MAK (mg/m ³)	1050 mg/m ³
Austria	MAK (ppm)	300 ppm
Austria	MAK Short time value (mg/m ³)	2100 mg/m ³
Austria	MAK Short time value (ppm)	600 ppm
Belgium	Local name	Acétate d'éthyle # Ethylacetaat
Belgium	Limit value (mg/m ³)	1461 mg/m ³
Belgium	Limit value (ppm)	400 ppm
Belgium	Short time value (mg/m ³)	900 mg/m ³
Belgium	Short time value (ppm)	300 ppm
Bulgaria	Local name	Етилацетат
Bulgaria	OEL TWA (mg/m ³)	800 mg/m ³
Bulgaria	OEL STEL (mg/m ³)	885 mg/m ³
Czech Republic	Local name	Ethylacetát
Czech Republic	Expoziční limity (PEL) (mg/m ³)	700 mg/m ³
Czech Republic	Expoziční limity (PEL) (ppm)	195 ppm
Czech Republic	Expoziční limity (NPK-P) (mg/m ³)	900 mg/m ³
Czech Republic	Expoziční limity (NPK-P) (ppm)	250 ppm
Denmark	Local name	Ethylacetat (Eddikesyreethylester)
Denmark	Grænseværdie (langvarig) (mg/m ³)	540 mg/m ³
Denmark	Grænseværdie (langvarig) (ppm)	150 ppm
Denmark	Anmærkninger (DK)	(1994)
Estonia	Local name	Etüülatsetaat (etüületanaat)
Estonia	OEL TWA (mg/m ³)	500 mg/m ³
Estonia	OEL TWA (ppm)	150 ppm
Estonia	OEL STEL (mg/m ³)	1100 mg/m ³
Estonia	OEL STEL (ppm)	300 ppm
Finland	Local name	Etyyliasetatti

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Finland	HTP-arvo (8h) (mg/m ³)	1100 mg/m ³
Finland	HTP-arvo (8h) (ppm)	300 ppm
Finland	HTP-arvo (15 min)	1800 mg/m ³
Finland	HTP-arvo (15 min) (ppm)	500 ppm
France	Local name	Acétate d'éthyle
France	VME (mg/m ³)	1400 mg/m ³
France	VME (ppm)	400 ppm
France	KZGW (mg/m ³)	900 mg/m ³
France	KZGW (ppm)	300 ppm
France	Note (FR)	Valeurs recommandées/admises
Germany	Local name	Ethylacetat
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	1500 mg/m ³
Germany	TRGS 900 Occupational exposure limit value (ppm)	400 ppm
Germany	Remark (TRGS 900)	DFG,Y
Greece	OEL TWA (mg/m ³)	1400 mg/m ³
Greece	OEL TWA (ppm)	400 ppm
Greece	OEL STEL (mg/m ³)	900 mg/m ³
Greece	OEL STEL (ppm)	300 ppm
Hungary	Local name	ETIL-ACETÁT
Hungary	AK-érték	1400 mg/m ³
Ireland	OEL (8 hours ref) (mg/m ³)	600 mg/m ³
Ireland	OEL (8 hours ref) (ppm)	200 ppm
Ireland	OEL (15 min ref) (mg/m ³)	900 mg/m ³
Ireland	OEL (15 min ref) (ppm)	400 ppm
Ireland	Notes (IE)	Sk, IOELV
Italy	Local name	Butanone
Italy	OEL TWA (mg/m ³)	600 mg/m ³
Italy	OEL TWA (ppm)	200 ppm
Italy	OEL STEL (mg/m ³)	900 mg/m ³
Italy	OEL STEL (ppm)	300 ppm
Latvia	Local name	Etīlskābesetilesteris (etilacetāts)
Latvia	OEL TWA (mg/m ³)	200 mg/m ³
Latvia	OEL TWA (ppm)	67 ppm
Latvia	OEL STEL (mg/m ³)	900 mg/m ³
Latvia	OEL STEL (ppm)	300 ppm
Lithuania	Local name	Etilo acetatas
Lithuania	IPRV (mg/m ³)	500 mg/m ³
Lithuania	IPRV (ppm)	150 ppm
Lithuania	TPRV (mg/m ³)	900 mg/m ³
Lithuania	TPRV (ppm)	300 ppm
Lithuania	NRV (mg/m ³)	1100 mg/m ³
Lithuania	NRV (ppm)	300 ppm
Luxembourg	Local name	Butanone
Luxembourg	OEL TWA (mg/m ³)	600 mg/m ³
Luxembourg	OEL TWA (ppm)	200 ppm
Luxembourg	OEL STEL (mg/m ³)	900 mg/m ³
Luxembourg	OEL STEL (ppm)	300 ppm
Malta	Local name	Butanone
Malta	OEL TWA (mg/m ³)	600 mg/m ³
Malta	OEL TWA (ppm)	200 ppm
Malta	OEL STEL (mg/m ³)	900 mg/m ³
Malta	OEL STEL (ppm)	300 ppm
Netherlands	Local name	2-Butanon
Netherlands	Grenswaarde TGG 8H (mg/m ³)	590 mg/m ³
Netherlands	Grenswaarde TGG 15MIN (mg/m ³)	900 mg/m ³

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Poland	Local name	Octan etylu
Poland	NDS (mg/m ³)	200 mg/m ³
Poland	NDSch (mg/m ³)	600 mg/m ³
Portugal	Local name	Acetato de etilo
Portugal	OEL TWA (ppm)	400 ppm
Portugal	OEL STEL (ppm)	300 ppm
Romania	Local name	Acetat de etil
Romania	OEL TWA (mg/m ³)	400 mg/m ³
Romania	OEL TWA (ppm)	111 ppm
Romania	OEL STEL (mg/m ³)	500 mg/m ³
Romania	OEL STEL (ppm)	139 ppm
Slovenia	Local name	etilacetat
Slovenia	OEL TWA (mg/m ³)	1400 mg/m ³
Slovenia	OEL TWA (ppm)	400 ppm
Slovenia	OEL STEL (mg/m ³)	1400 mg/m ³
Slovenia	OEL STEL (ppm)	400 ppm
Spain	Local name	Acetato de etilo
Spain	VLA-ED (mg/m ³)	1460 mg/m ³
Spain	VLA-ED (ppm)	400 ppm
Spain	VLA-EC (mg/m ³)	900 mg/m ³
Spain	VLA-EC (ppm)	300 ppm
Sweden	Local name	Etylacetat
Sweden	nivågränsvärde (NVG) (mg/m ³)	550 mg/m ³
Sweden	nivågränsvärde (NVG) (ppm)	150 ppm
Sweden	kortidsvärde (KTV) (mg/m ³)	1100 mg/m ³
Sweden	kortidsvärde (KTV) (ppm)	300 ppm
United Kingdom	Local name	Ethyl acetate
United Kingdom	WEL TWA (mg/m ³)	600 mg/m ³
United Kingdom	WEL TWA (ppm)	200 ppm
United Kingdom	WEL STEL (mg/m ³)	899 mg/m ³
United Kingdom	WEL STEL (ppm)	400 ppm
Iceland	Local name	Etylasetat (ediksúruetylester)
Iceland	OEL (8 hours ref) (mg/m ³)	540 mg/m ³
Iceland	OEL (8 hours ref) (ppm)	150 ppm
Norway	Local name	Etylacetat
Norway	Grenseverdier (AN) (mg/m ³)	550 mg/m ³
Norway	Grenseverdier (AN) (ppm)	150 ppm
Switzerland	VME (mg/m ³)	1400 mg/m ³ 1400 mg/m ³
Switzerland	VME (ppm)	400 ppm 400 ppm
Switzerland	KZGW (mg/m ³)	2800 mg/m ³ 2800 mg/m ³
Switzerland	KZGW (ppm)	800 ppm 800 ppm
Australia	TWA (mg/m ³)	720 mg/m ³ Synonym (Acetic acid ethyl ester; Acetic ester)
Australia	TWA (ppm)	200 ppm Synonym (Acetic acid ethyl ester; Acetic ester)
Australia	STEL (mg/m ³)	1440 mg/m ³ Synonym (Acetic acid ethyl ester; Acetic ester)
Australia	STEL (ppm)	400 ppm Synonym (Acetic acid ethyl ester; Acetic ester)
USA - ACGIH	Local name	Ethyl acetate
USA - ACGIH	ACGIH TWA (ppm)	400 ppm
USA - ACGIH	ACGIH STEL (ppm)	300 ppm
USA - ACGIH	Remark (ACGIH)	URT & eye irr

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Ethyl acetate (141-78-6)		
EU	Local name	Ethyl Acetate
EU	IOELV TWA (mg/m ³)	734 mg/m ³
EU	IOELV TWA (ppm)	200 ppm
EU	IOELV STEL (mg/m ³)	1468 mg/m ³
EU	IOELV STEL (ppm)	400 ppm
EU	Notes	SCOEL Recommendations (2008)
Austria	Local name	Ethylacetat
Austria	MAK (mg/m ³)	1050 mg/m ³
Austria	MAK (ppm)	300 ppm
Austria	MAK Short time value (mg/m ³)	2100 mg/m ³
Austria	MAK Short time value (ppm)	600 ppm
Belgium	Local name	Acétate d'éthyle # Ethylacetaat
Belgium	Limit value (mg/m ³)	1461 mg/m ³
Belgium	Limit value (ppm)	400 ppm
Bulgaria	Local name	Етилacetat
Bulgaria	OEL TWA (mg/m ³)	800 mg/m ³
Croatia	Local name	Etil-acetat
Croatia	GVI (granična vrijednost izloženosti) (ppm)	200 ppm
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	400 ppm
Croatia	Naznake (HR)	F (lako zapaljivo); Xi (nadražujuće)
Czech Republic	Local name	Ethylacetát
Czech Republic	Expoziční limity (PEL) (mg/m ³)	700 mg/m ³
Czech Republic	Expoziční limity (PEL) (ppm)	195 ppm
Czech Republic	Expoziční limity (NPK-P) (mg/m ³)	900 mg/m ³
Czech Republic	Expoziční limity (NPK-P) (ppm)	250 ppm
Denmark	Local name	Ethylacetat (Eddikesyreethylester)
Denmark	Grænseværdie (langvarig) (mg/m ³)	540 mg/m ³
Denmark	Grænseværdie (langvarig) (ppm)	150 ppm
Denmark	Anmærkninger (DK)	(1994)
Estonia	Local name	Etüületsetaat (etüületanaat)
Estonia	OEL TWA (mg/m ³)	500 mg/m ³
Estonia	OEL TWA (ppm)	150 ppm
Estonia	OEL STEL (mg/m ³)	1100 mg/m ³
Estonia	OEL STEL (ppm)	300 ppm
Finland	Local name	Etyyliasettaatti
Finland	HTP-arvo (8h) (mg/m ³)	1100 mg/m ³
Finland	HTP-arvo (8h) (ppm)	300 ppm
Finland	HTP-arvo (15 min)	1800 mg/m ³
Finland	HTP-arvo (15 min) (ppm)	500 ppm
France	Local name	Acétate d'éthyle
France	VME (mg/m ³)	1400 mg/m ³
France	VME (ppm)	400 ppm
France	Note (FR)	Valeurs recommandées/admises
Germany	Local name	Ethylacetat
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	1500 mg/m ³
Germany	TRGS 900 Occupational exposure limit value (ppm)	400 ppm
Germany	Remark (TRGS 900)	DFG, Y
Greece	OEL TWA (mg/m ³)	1400 mg/m ³
Greece	OEL TWA (ppm)	400 ppm
Hungary	Local name	ETIL-ACETÁT
Hungary	AK-érték	1400 mg/m ³
Hungary	CK-érték	1400 mg/m ³
Hungary	Megjegyzések (HU)	i, sz; l.
Ireland	Local name	Ethyl acetate

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Ireland	OEL (8 hours ref) (ppm)	200 ppm
Ireland	OEL (15 min ref) (ppm)	400 ppm
Latvia	Local name	Etiķskābesetilesteris (etilacetāts)
Latvia	OEL TWA (mg/m ³)	200 mg/m ³
Lithuania	Local name	Etilo acetatas
Lithuania	IPRV (mg/m ³)	500 mg/m ³
Lithuania	IPRV (ppm)	150 ppm
Lithuania	NRV (mg/m ³)	1100 mg/m ³
Lithuania	NRV (ppm)	300 ppm
Poland	Local name	Octan etylu
Poland	NDS (mg/m ³)	200 mg/m ³
Poland	NDSch (mg/m ³)	600 mg/m ³
Portugal	Local name	Acetato de etilo
Portugal	OEL TWA (ppm)	400 ppm
Romania	Local name	Acetat de etil
Romania	OEL TWA (mg/m ³)	400 mg/m ³
Romania	OEL TWA (ppm)	111 ppm
Romania	OEL STEL (mg/m ³)	500 mg/m ³
Romania	OEL STEL (ppm)	139 ppm
Slovenia	Local name	etilacetat
Slovenia	OEL TWA (mg/m ³)	1400 mg/m ³
Slovenia	OEL TWA (ppm)	400 ppm
Slovenia	OEL STEL (mg/m ³)	1400 mg/m ³
Slovenia	OEL STEL (ppm)	400 ppm
Spain	Local name	Acetato de etilo
Spain	VLA-ED (mg/m ³)	1460 mg/m ³
Spain	VLA-ED (ppm)	400 ppm
Sweden	Local name	Etylacetat
Sweden	nivagränsvärde (NVG) (mg/m ³)	550 mg/m ³
Sweden	nivagränsvärde (NVG) (ppm)	150 ppm
Sweden	kortidsvärde (KTV) (mg/m ³)	1100 mg/m ³
Sweden	kortidsvärde (KTV) (ppm)	300 ppm
United Kingdom	Local name	Ethyl acetate
United Kingdom	WEL TWA (ppm)	200 ppm
United Kingdom	WEL STEL (ppm)	400 ppm
Iceland	OEL (8 hours ref) (mg/m ³)	540 mg/m ³
Iceland	OEL (8 hours ref) (ppm)	150 ppm
Norway	Local name	Etylacetat
Norway	Grenseverdier (AN) (mg/m ³)	550 mg/m ³
Norway	Grenseverdier (AN) (ppm)	150 ppm
Switzerland	Local name	Essigsäureethylester (s. Ethylacetat)
Switzerland	VME (mg/m ³)	1400 mg/m ³ 1400 mg/m ³
Switzerland	VME (ppm)	400 ppm 400 ppm
Switzerland	KZGW (mg/m ³)	2800 mg/m ³ 2800 mg/m ³
Switzerland	KZGW (ppm)	800 ppm 800 ppm
Australia	TWA (mg/m ³)	720 mg/m ³
Australia	TWA (ppm)	200 ppm
Australia	STEL (mg/m ³)	1440 mg/m ³
Australia	STEL (ppm)	400 ppm
USA - ACGIH	Local name	Ethyl acetate
USA - ACGIH	ACGIH TWA (ppm)	400 ppm

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8.2. Exposure controls

Appropriate engineering controls	: Ensure good ventilation of the work station.
Hand protection	: Protective gloves
Eye protection	: Safety glasses
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment
Environmental exposure controls	: Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Colour	: Black.
Odour	: Ester.
Odour threshold	: No data available
pH	: 7
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 0.97 - 1.03 g/ml
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Highly flammable liquid and vapour.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

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10.5. Incompatible materials

Amines. alcohols. Strong acids. Strong bases. Oxidizing agent. Water.

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified pH: 7
Serious eye damage/irritation	: Causes serious eye irritation. pH: 7
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

Reproductive toxicity	: Not classified
STOT-single exposure	: May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

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.

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Additional information : Flammable vapours may accumulate in the container.

SECTION 14: Transport information

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

14.1. UN number

UN-No. (ADR)	: 1866
UN-No. (IMDG)	: 1866
UN-No. (IATA)	: 1866
UN-No. (ADN)	: 1866

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UN-No. (RID) : 1866

14.2. UN proper shipping name

Proper Shipping Name (ADR) : RESIN SOLUTION
 Proper Shipping Name (IMDG) : RESIN SOLUTION
 Proper Shipping Name (IATA) : RESIN SOLUTION
 Proper Shipping Name (ADN) : RESIN SOLUTION
 Proper Shipping Name (RID) : RESIN SOLUTION
 Transport document description (ADR) : UN 1866 RESIN SOLUTION, 3, II, (D/E)
 Transport document description (IMDG) : UN 1866 RESIN SOLUTION, 3, II
 Transport document description (IATA) : UN 1866 RESIN SOLUTION, 3, II
 Transport document description (ADN) : UN 1866 RESIN SOLUTION, 3, II
 Transport document description (RID) : UN 1866 RESIN SOLUTION, 3, II

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 3
 Danger labels (ADR) : 3

:



IMDG

Transport hazard class(es) (IMDG) : 3
 Danger labels (IMDG) : 3

:



IATA

Transport hazard class(es) (IATA) : 3
 Hazard labels (IATA) : 3

:



ADN

Transport hazard class(es) (ADN) : 3
 Danger labels (ADN) : 3

:



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RID

Transport hazard class(es) (RID) : 3
Danger labels (RID) : 3



14.4. Packing group

Packing group (ADR) : II
Packing group (IMDG) : II
Packing group (IATA) : II
Packing group (ADN) : II
Packing group (RID) : II

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) : F1
Special provisions (ADR) : 640C
Limited quantities (ADR) : 5I
Excepted quantities (ADR) : E2
Packing instructions (ADR) : P001
Special packing provisions (ADR) : PP1
Mixed packing provisions (ADR) : MP19
Portable tank and bulk container instructions (ADR) : T4
Portable tank and bulk container special provisions (ADR) : TP1, TP8
Tank code (ADR) : L1.5BN
Vehicle for tank carriage : FL
Transport category (ADR) : 2
Special provisions for carriage - Operation (ADR) : S2, S20
Hazard identification number (Kemler No.) : 33
Orange plates :



Tunnel restriction code (ADR) : D/E

- Transport by sea

Limited quantities (IMDG) : 5 L
Excepted quantities (IMDG) : E2
Packing instructions (IMDG) : P001
Special packing provisions (IMDG) : PP1
IBC packing instructions (IMDG) : IBC02

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Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1, TP8
EmS-No. (Fire)	: F-E
EmS-No. (Spillage)	: S-E
Stowage category (IMDG)	: B
Properties and observations (IMDG)	: Miscibility with water depends upon the composition.
MFAG-No	: 127;128

- Air transport

PCA Excepted quantities (IATA)	: E2
PCA Limited quantities (IATA)	: Y341
PCA limited quantity max net quantity (IATA)	: 1L
PCA packing instructions (IATA)	: 353
PCA max net quantity (IATA)	: 5L
CAO packing instructions (IATA)	: 364
CAO max net quantity (IATA)	: 60L
Special provisions (IATA)	: A3
ERG code (IATA)	: 3L

- Inland waterway transport

Classification code (ADN)	: F1
Special provisions (ADN)	: 640C
Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E2
Equipment required (ADN)	: PP, EX, A
Ventilation (ADN)	: VE01
Number of blue cones/lights (ADN)	: 1

- Rail transport

Classification code (RID)	: F1
Special provisions (RID)	: 640C
Limited quantities (RID)	: 5L
Excepted quantities (RID)	: E2
Packing instructions (RID)	: P001
Special packing provisions (RID)	: PP1
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T4
Portable tank and bulk container special provisions (RID)	: TP1, TP8
Tank codes for RID tanks (RID)	: L1.5BN
Transport category (RID)	: 2
Colis express (express parcels) (RID)	: CE7
Hazard identification number (RID)	: 33

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

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15.1.2. National regulations

Germany

VwVwS Annex reference : Water hazard class (WGK) 1, low hazard to waters (Classification according to VwVwS, Annex 4)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

Denmark

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Full text of H- and EUH-statements:	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Sens. 1	Sensitisation — Skin, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H302	Harmful if swallowed
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
EUH066	Repeated exposure may cause skin dryness or cracking

SDS EU PROLOC MARINE LINE

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