



EverGreen Hybrid Primer

Safety Data Sheet

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

Reference number: 313023045000099

Issue date: 13.04.2018 Revision date: 21.09.2023 Supersedes version of: 12.01.2023 Version: 2.1

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

1.1. Product identifier

Product form : Mixture
Product name : EverGreen Hybrid Primer
UFI : KT005TMP
Product code : 313023045000099
Product group : Trade product

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

Main use category : Industrial use, Professional use, Consumer use :
Use of the substance/mixture : Coating

No additional information available

1.3. Details of the supplier of the safety data sheet

KoverTekLtd
Unit 4 Poldermere, Northampton,
NN6 9SZ.
T 44 (0)1604 781702
info@kovertek.com -
www.kovertek.com

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	+44 20 7188 7188	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Flammable liquids, Category 3 H226 Skin corrosion/irritation, Category 2 H315 Serious eye damage/eye irritation, Category 2 H319 Reproductive toxicity, Category 2 H361 Specific target organ toxicity – Single exposure, Category 3, H335 Respiratory tract irritation Specific target organ toxicity – Repeated exposure, Category 1 H372 Full text of H- and EUH-statements: see section 16

Flammable liquid and vapour. Suspected of damaging fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure. Harmful if inhaled. Causes skin irritation. Causes serious eye irritation.

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2.2. Label elements

Hazard pictograms (CLP)



Signal word (CLP)

GHS02 GHS07 GHS08

: Danger

Contains

: Styrene

Hazard statements (CLP)

: H226 - Flammable liquid and vapour.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H335 - May cause respiratory irritation.

H361 - Suspected of damaging fertility or the unborn child.

H372 - Causes damage to organs through prolonged or repeated exposure.

Precautionary statements (CLP)

: P280 - Wear protective gloves, protective clothing, eye protection.

P241 - Use explosion-proof electrical equipment.

P271 - Use only outdoors or in a well-ventilated area.

P370+P378 - In case of fire: Use Water fog, foam, extinguishing powder, carbon dioxide (CO₂) for extinction.

P264 - Wash hands thoroughly after handling.

P210 - Keep away from heat, hot surfaces, sparks, open flames. – No smoking.

EUH-statements

: EUH211 - Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

EUH208 - Contains Cobalt bis(2-ethylhexanoate). May produce an allergic reaction.

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]
Styrene	CAS-No.: 100-42-5 EC-No.: 202-851-5 EC Index-No.: 601-026-00-0 REACH-no: 01-2119457861-32	20 – 35	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 2, H361d STOT SE 3, H335 STOT RE 1, H372 Asp. Tox. 1, H304 Aquatic Chronic 3, H412

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
MEK CAS-No.: 78-93-3 substance with a Community workplace exposure limit 43	EC-No.: 201-159-0 EC Index-No.: 606-002-00-3 REACH-no: 01-2119457290-	1 – 3	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Ethyl acetate CAS-No.: 141-78-6 substance with a Community workplace exposure limit 46	EC-No.: 205-500-4 EC Index-No.: 607-022-00-5 REACH-no: 01-2119475103-	1 – 3	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
QUARTZ CAS-No.: 14808-60-7 substance with a Community workplace exposure limit MONOETHYLENE GLYCOL CAS-No.: 107-21-1	EC-No.: 238-878-4	< 0,5	Not classified
substance with a Community workplace exposure limit 28	EC-No.: 203-473-3 EC Index-No.: 603-027-00-1 REACH-no: 01-2119456816-	0,2 – 0,3	Acute Tox. 4 (Oral), H302 STOT RE 2, H373
Cobalt bis(2-ethylhexanoate) CAS-No.: 136-52-7 EC-No.: 205-250-6 29	REACH-no: 01-2119524678-	0,01 – 0,1	Eye Irrit. 2, H319 Skin Sens. 1A, H317 Repr. 1B, H360F Aquatic Acute 1, H400 Aquatic Chronic 3, H412
Hydrotreated Heavy naphtha - benzene <0.1% CAS-No.: 64742-48-9 substance with a Community workplace exposure limit 33	EC-No.: 919-857-5 EC Index-No.: 649-327-00-6 REACH-no: 01-2119463258-	< 0,01	Flam. Liq. 3, H226 STOT SE 3, H336 Asp. Tox. 1, H304
Copper di(acetate) CAS-No.: 142-71-2 substance with a Community workplace exposure limit 16	EC-No.: 205-553-3 REACH-no: 01-2119980669-	< 0,01	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 2, H411

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	: IF exposed or concerned: Get medical advice/attention. 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. Call a poison center or a doctor if you feel unwell.
First-aid measures after skin contact	: Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation 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/effects after skin contact	: Irritation.
Symptoms/effects after eye contact	: Eye irritation.

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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.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Flammable liquid and vapour. :
Hazardous decomposition products in case of fire Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. Use water spray or fog for cooling exposed containers. Prevent entry to sewers and public waters.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes. Do not breathe vapours. fume.

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

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 13.

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. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe fume. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes.
Hygiene measures : 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.

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Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Styrene (100-42-5)

Local name	Styrol
MAK (OEL TWA)	85 mg/m ³
MAK (OEL TWA) [ppm]	20 ppm
MAK (OEL STEL)	340 mg/m ³ (4x 15(Miw) min)
MAK (OEL STEL) [ppm]	80 ppm (4x 15(Miw) min)
Remark	Fortpflanzungsgefährdend: d
Regulatory reference	BGBl. II Nr. 156/2021

Local name	Styreeni
HTP (OEL TWA) [1] HTP	86 mg/m ³
(OEL TWA) [2] HTP (OEL STEL)	20 ppm
HTP (OEL STEL) [ppm]	430 mg/m ³
HTP (OEL STEL) [ppm]	100 ppm
Remark	Melu
Regulatory reference	HTP-ARVOT 2020 (Sosiaali- ja terveysministeriö)

Local name	Styreeni
BLV	1,2 mmol/l Parametri: Virtsan MAPGA (Virtsan manteli- ja fenyyli glykoksyylihappo) - Näytteenottoajankohta: Työpäivän jälkeinen aamu
Regulatory reference	HTP-ARVOT 2020 (Sosiaali- ja terveysministeriö)

Local name	Styrene
WEL TWA (OEL TWA) [1] WEL	430 mg/m ³
TWA (OEL TWA) [2] WEL STEL	100 ppm
(OEL STEL)	1080 mg/m ³
WEL STEL (OEL STEL) [ppm]	250 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

MEK (78-93-3)

Local name	Butanone
IOEL TWA	600 mg/m ³

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MEK (78-93-3)	
IOEL TWA [ppm]	200 ppm
IOEL STEL	900 mg/m ³
IOEL STEL [ppm]	300 ppm
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
Local name	Butanon (Ethylmethylketon;
MAK (OEL TWA)	Methylethylketon) 295 mg/m ³
MAK (OEL TWA) [ppm]	100 ppm
MAK (OEL STEL)	590 mg/m ³ (4x 30(Miw) min)
MAK (OEL STEL) [ppm]	200 ppm (4x 30(Miw) min)
Remark	H
Regulatory reference	BGBl. II Nr. 156/2021
Local name	2-Butanoni
HTP (OEL TWA) [1] HTP	60 mg/m ³
(OEL TWA) [2] HTP (OEL STEL)	20 ppm
300 mg/m ³	
HTP (OEL STEL) [ppm]	100 ppm
Remark	Iho
Regulatory reference	HTP-ARVOT 2020 (Sosiaali- ja terveystieteiden ministeriö)
Local name	2-Butanon
TGG-8u (OEL TWA)	590 mg/m ³
TGG-8u (OEL TWA) [ppm]	197 ppm
TGG-15min (OEL STEL)	900 mg/m ³
TGG-15min (OEL STEL) [ppm]	300 ppm
Remark	H (Huidopname) Stoffen die relatief gemakkelijk door de huid kunnen worden opgenomen, hetgeen een substantiële bijdrage kan betekenen aan de totale inwendige blootstelling, hebben in de lijst een H-aanduiding. Bij deze stoffen moeten naast maatregelen tegen inademing ook adequate maatregelen ter voorkoming van huidcontact worden genomen. Arbeidsomstandighedenregeling 2023
Regulatory reference	
Local name	Butan-2-one (methyl ethyl ketone)
WEL TWA (OEL TWA) [1] WEL	600 mg/m ³
TWA (OEL TWA) [2] WEL STEL	200 ppm
(OEL STEL)	899 mg/m ³
WEL STEL (OEL STEL) [ppm]	300 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)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

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MEK (78-93-3)

Local name	Butan-2-one (methyl ethyl ketone)
BMGV	70 µmol/l Parameter: butan-2-one - Medium: urine - Sampling time: Post
Regulatory reference	shift EH40/2005 (Fourth edition, 2020). HSE

Ethyl acetate (141-78-6)

Local name	Ethyl acetate
IOEL TWA	734 mg/m ³
IOEL TWA [ppm]	200 ppm
IOEL STEL	1468 mg/m ³
IOEL STEL [ppm]	400 ppm
Regulatory reference	COMMISSION DIRECTIVE (EU) 2017/164

Local name	Ethylacetat (Essigsäureethylester)
MAK (OEL TWA)	734 mg/m ³
MAK (OEL TWA) [ppm]	200 ppm
MAK (OEL STEL)	1468 mg/m ³ (4x 15(Miw) min)
MAK (OEL STEL) [ppm]	400 ppm (4x 15(Miw) min)
Regulatory reference	BGBl. II Nr. 156/2021

Local name	Etyyliasettaatti
HTP (OEL TWA) [1] HTP	730 mg/m ³
(OEL TWA) [2] HTP (OEL STEL)	200 ppm
HTP (OEL STEL) [ppm]	400 ppm
Regulatory reference	HTP-ARVOT 2020 (Sosiaali- ja terveysministeriö)

Local name	Ethylacetaat
TGG-8u (OEL TWA)	734 mg/m ³
TGG-8u (OEL TWA) [ppm]	200 ppm
TGG-15min (OEL STEL)	1468 mg/m ³
TGG-15min (OEL STEL) [ppm]	400 ppm
Regulatory reference	Arbeidsomstandighedenregeling 2023

Local name	Ethyl acetate
WEL TWA (OEL TWA) [1]	734 mg/m ³
WEL TWA (OEL TWA) [2]	200 ppm
WEL STEL (OEL STEL)	1468 mg/m ³
WEL STEL (OEL STEL) [ppm]	400 ppm

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Ethyl acetate (141-78-6)	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
MONOETHYLENE GLYCOL (107-21-1)	
Local name	Ethylene glycol
IOEL TWA	246 mg/m ³
IOEL TWA [ppm]	50 ppm
IOEL STEL	492 mg/m ³
IOEL STEL [ppm]	100 ppm
Remark	Skin
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
Local name	Ethylenglykol (Ethandiol; Glykol)
MAK (OEL TWA)	26 mg/m ³
MAK (OEL TWA) [ppm]	10 ppm
MAK (OEL STEL)	52 mg/m ³ (8x 5(Mow) min)
MAK (OEL STEL) [ppm]	20 ppm (8x 5(Mow) min)
Remark	H
Regulatory reference	BGBl. II Nr. 156/2021
Local name	1,2-Etaanidioli
HTP (OEL TWA) [1] HTP (OEL TWA) [2] HTP (OEL STEL)	50 mg/m ³ 20 ppm 100 mg/m ³
HTP (OEL STEL) [ppm]	40 ppm
Remark	Iho
Regulatory reference	HTP-ARVOT 2020 (Sosiaali- ja terveystieteiden ministeriö)
Local name	Ethaan-1,2-diol
TGG-8u (OEL TWA)	52 mg/m ³ (damp) 10 mg/m ³ (druppels)
TGG-8u (OEL TWA) [ppm]	20 ppm (damp)
TGG-15min (OEL STEL)	104 mg/m ³ (damp)
TGG-15min (OEL STEL) [ppm]	40 ppm (damp)
Remark	H (Huidopname) Stoffen die relatief gemakkelijk door de huid kunnen worden opgenomen, hetgeen een substantiële bijdrage kan betekenen aan de totale inwendige blootstelling, hebben in de lijst een H-aanduiding. Bij deze stoffen moeten naast maatregelen tegen inademing ook adequate maatregelen ter voorkoming van huidcontact worden genomen. Arbeidsomstandighedenregeling 2023
Regulatory reference	
Local name	Ethane-1,2-diol

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MONOETHYLENE GLYCOL (107-21-1)	
WEL TWA (OEL TWA) [1]	10 mg/m ³ particulate 52 mg/m ³ vapour
WEL TWA (OEL TWA) [2] WEL	20 ppm vapour
STEL (OEL STEL)	104 mg/m ³ vapour
WEL STEL (OEL STEL) [ppm]	40 ppm vapour
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)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
Hydrotreated Heavy naphtha - benzene <0.1% (64742-48-9)	
Local name	White spirit Type 3
IOEL TWA	116 mg/m ³
IOEL TWA [ppm]	20 ppm
IOEL STEL	290 mg/m ³
IOEL STEL [ppm]	50 ppm
Remark	Skin. (Year of adoption 2007)
Regulatory reference	SCOEL Recommendations
Copper di(acetate) (142-71-2)	
Local name	Copper(II) acetate
IOEL TWA	0,01 mg/m ³ (respirable
Remark	fraction) (Year of adoption
Regulatory reference	2014)
QUARTZ (14808-60-7) SCOEL Recommendations	
Local name	Silica crystalline (Quartz)
IOEL TWA	0,05 mg/m ³ (respirable dust)
Remark	(Year of adoption 2003)
Regulatory reference	SCOEL Recommendations
Local name	Quarzfeinstaub (alveolengängiges kristallines Siliziumdioxid)
MAK (OEL TWA)	0,05 mg/m ³ (A)
Remark	Krebserzeugend: III C
Regulatory reference	BGBL II Nr. 156/2021
Local name	Quarz Staub

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QUARTZ (14803-60-7)

Remark	<p>Eignung mit vorzeitiger Folgeuntersuchung: Bei Vorliegen einer wesentlichen Beeinträchtigung der Lungenfunktion. Diese liegt jedenfalls vor, wenn nach mehrmaliger Messung der beste gemessene Wert den für den/die Untersuchte/n maßgebenden Sollwert um 20% unterschreitet bzw. den MEF50-Sollwert um 50% unterschreitet. Eine vorzeitige Folgeuntersuchung ist jedoch nicht erforderlich, wenn im Vergleich zu Vorbefunden der altersabhängige physiologische Abfall der 1-Sekundenkapazität (FEV1) von 40 ml/Jahr nicht überschritten wird oder aus der Beurteilung des Kurvenverlaufes der Forcierten Vitalkapazität (FVC) eine eingeschränkte Mitarbeit des Untersuchten/der Untersuchten ersichtlich ist.</p> <p>Der Zeitabstand zwischen den Untersuchungen beträgt bei Eignung: zwei Jahre bzw. für die Röntgenuntersuchung 4 Jahre; bei Eignung mit vorzeitiger Folgeuntersuchung: ein Jahr. Sofern eine vorzeitige Folgeuntersuchung lediglich auf Grund veränderter Lungenfunktionswerte erfolgt, ist die Lungenfunktionsprüfung durchzuführen, jedoch keine Röntgen-Aufnahme anzufertigen.</p> <p>Verordnung über die Gesundheitsüberwachung am Arbeitsplatz 2017 (VGÜ 2017)</p>
Regulatory reference	
Local name	Kvartsi
HTP (OEL TWA) [1]	0,05 mg/m ³ alveolijae
Regulatory reference	HTP-ARVOT 2020 (Sosiaali- ja terveystieteistie)
Local name	Respirabel kristallijn silicastof: – kwarts
TGG-8u (OEL TWA)	0,075 mg/m ³ (Respirabele fractie)
Remark	Kankerverwekkende stof
Regulatory reference	Arbeidsomstandighedenregeling 2023

No additional information available

No additional information available

No additional information available

No additional information available

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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 symbol(s):



8.2.2.1. Eye and face protection

Eye protection:
Safety glasses. Wear eye protection

8.2.2.2. Skin protection

Skin and body protection:
Wear suitable protective clothing. Wear protective clothing

Hand protection:

Chemical resistant gloves (according to European standard NF ISO 374-1 or equivalent). Protective gloves made of PVC. neoprene gloves. Nitrile rubber gloves. Wear protective gloves

8.2.2.3. Respiratory protection

Respiratory protection:
Wear appropriate mask. Wear respiratory protection

Respiratory protection

Device	Filter type	Condition	Standard
	Type A - High-boiling (>65 °C) organic compounds		

No additional information available

8.2.3. Environmental exposure controls

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
Colour	: white.
Odour	: characteristic.
Odour threshold	: Not available
Melting point	: - 31 °C (Styrene)
Freezing point	: Not available
Boiling point	: 145 °C (Styrene)
Flammability	: Not applicable
Lower explosion limit	: 1.1 %(V) (Styrene) :
Upper explosion limit	: 6.1 %(V) (Styrene) :
Flash point	: 31 °C (Styrene)
Auto-ignition temperature	: 490 °C (Styrene)
Decomposition temperature	: Not available
pH	: Not available

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Viscosity, kinematic	: Not available
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: 1,31
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

9.2. Other information

No additional information available

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

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.

10.5. Incompatible materials

No additional information available

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 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

Styrene (100-42-5)

LD50 oral rat	≈ 5000 mg/kg
LD50 dermal rat	2000 mg/kg
LC50 Inhalation - Rat	11,8 mg/l

MEK (78-93-3)

LD50 oral	>2000 mg/kg
LD50 dermal rabbit	>2000 mg/kg
LC50 Inhalation - Rat	>20 mg/l/4h

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Ethyl acetate (141-78-6)	
LD50 oral rat	5600 mg/kg
LD50 oral	4934 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rabbit	>20000 mg/kg bodyweight Animal: rabbit, Animal sex: male
MONOETHYLENE GLYCOL (107-21-1)	
LD50 oral rat	7712 mg/kg bodyweight Animal:
LD50 dermal	rat >3500 mg/kg mouse
LC50 Inhalation - Rat	>2,5 mg/l 6 h
Cobalt bis(2-ethylhexanoate) (136-52-7)	
LD50 oral rat	3129 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure), 95% CL: 1750 - 5000
LD50 dermal rat	>2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
Hydrotreated Heavy naphtha - benzene <0.1% (64742-48-9)	
LD50 oral rat	>5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
Copper di(acetate) (142-71-2)	
LD50 oral rat	300 – 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method), Guideline: EU Method B.1 bis (Acute Oral Toxicity - Fixed Dose Procedure)
LD50 oral	300 – 200 mg/kg
LD50 dermal rat	>2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal))
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
MONOETHYLENE GLYCOL (107-21-1)	
NOAEL (chronic, oral, animal/male, 2 years)	1500 mg/kg bodyweight Animal: mouse, Animal sex: male, Remarks on results: other:Effect type: carcinogenicity (migrated information)
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.
STOT-single exposure	: May cause respiratory irritation.
Styrene (100-42-5)	
STOT-single exposure	May cause respiratory irritation.
MEK (78-93-3)	
STOT-single exposure	May cause drowsiness or dizziness.
Ethyl acetate (141-78-6)	
STOT-single exposure	May cause drowsiness or dizziness.
Hydrotreated Heavy naphtha - benzene <0.1% (64742-48-9)	
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure	: Causes damage to organs through prolonged or repeated exposure.

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Styrene (100-42-5)	
STOT-repeated exposure	Causes damage to organs (hearing organs) through prolonged or repeated exposure.
Ethyl acetate (141-78-6)	
LOAEL (oral, rat, 90 days)	3600 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 795.2600 (Subchronic Oral Toxicity Test)
NOAEL (oral, rat, 90 days)	900 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 795.2600 (Subchronic Oral Toxicity Test)
MONOETHYLENE GLYCOL (107-21-1)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified
MEK (78-93-3)	
Viscosity, kinematic	0,494 mm ² /s
MONOETHYLENE GLYCOL (107-21-1)	
Viscosity, kinematic	14,505 mm ² /s
Hydrotreated Heavy naphtha - benzene <0.1% (64742-48-9)	
Viscosity, kinematic	< 1 mm ² /s Temp.: 'other:37.8°C' Parameter: 'kinematic viscosity (in mm ² /s)'

11.2. Information on other hazards

No additional information available

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

Styrene (100-42-5)	
LC50 - Fish [1]	4,02 mg/l (96 h) (Pimephales promelas)
EC50 - Crustacea [1]	4,7 mg/l (48 h) (Daphnia magna)
EC50 72h - Algae [1]	4,9 mg/l (Pseudokirchneriella
ErC50 algae	subcapitata) 4,9 mg/l
MEK (78-93-3)	
LC50 - Fish [1]	2993 mg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	308 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	1972 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	2029 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
Ethyl acetate (141-78-6)	
LC50 - Fish [1]	230 mg/l Test organisms (species): Pimephales promelas

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Ethyl acetate (141-78-6)	
EC50 - Crustacea [1]	717 mg/l
NOEC (chronic)	2,4 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
MONOETHYLENE GLYCOL (107-21-1)	
LC50 - Fish [1]	72860 mg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	>100 mg/l Test organisms (species): Daphnia magna
EC50 96h - Algae [1]	3536 mg/l Test organisms (species): other:greenn algae
EC50 96h - Algae [2]	6500 – 13000 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
NOEC (chronic)	≥ 1000 mg/l Test organisms (species): Americamysis bahia (previous name: Mysidopsis bahia) Duration: '23 d' 15380 mg/l Pimephales Promelas
NOEC chronic fish	8590 mg/l Ceriodaphnia Dubia
NOEC chronic crustacea	
Hydrotreated Heavy naphtha - benzene <0.1% (64742-48-9)	
LC50 - Fish [1]	>1000 mg/l Oncorhynchus mykiss (Rainbow
EC50 - Crustacea [1]	trout) >1000 mg/l
EC50 72h - Algae [1]	>1000 mg/l

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Styrene (100-42-5)

Partition coefficient n-octanol/water (Log Pow)	2,96
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Ethyl acetate (141-78-6)

Partition coefficient n-octanol/water (Log Kow)	0,6
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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

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.

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SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

14.1. UN number or ID number

UN-No. (ADR) : UN 1866 :
UN-No. (IMDG) UN 1866 :
UN-No. (IATA) UN 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
Transport document description (ADR) : UN 1866 RESIN SOLUTION, 3, III, (D/E) :
Transport document description (IMDG) UN 1866 RESIN SOLUTION, 3, III
Transport document description (IATA) : UN 1866 Resin solution, 3, III

14.3. Transport hazard class(es)

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



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



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



14.4. Packing group

Packing group (ADR) : II
Packing group (IMDG) : I
Packing group (IATA) : II
I

14.5. Environmental hazards

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


14.6. Special precautions for user

Special provisions (ADR) : 640E :
Transport category (ADR) 3
Hazard identification number (Kemler No.) : 30

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Orange plates	:	
Tunnel restriction code (ADR)	:	D/E
EAC code	:	+3YE
EmS-No. (Fire)	:	F-E
EmS-No. (Spillage)	:	S-E
Stowage category (IMDG)	:	A
Properties and observations (IMDG)	:	Miscibility with water depends upon the composition.
PCA packing instructions (IATA)	:	355 :
CAO packing instructions (IATA)	:	366 :
ERG code (IATA)	:	3L

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

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

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

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

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

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

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

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

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)

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SZW-lijst van kankerverwekkende stoffen : QUARTZ is listed
SZW-lijst van mutagene stoffen : None of the components are 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 : Styrene is listed

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes

Section	Changed item	Change	Comments
	Revision date	Modified	
	Supersedes version of	Modified	
2.2	EUH-statements	Modified	

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
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
EUH208	Contains Cobalt bis(2-ethylhexanoate). May produce an allergic reaction.
EUH211	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.

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Full text of H- and EUH-statements:

H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H360F	May damage fertility.
H361	Suspected of damaging fertility or the unborn child.
H361d	Suspected of damaging the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Repr. 1B	Reproductive toxicity, Category 1B
Repr. 2	Reproductive toxicity, Category 2
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1A	Skin sensitisation, category 1A
STOT RE 1	Specific target organ toxicity – Repeated exposure, Category 1
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation

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

Flam. Liq. 3 H226 Expert judgement	
Skin Irrit. 2 H315 Calculation method	
Eye Irrit. 2 H319 Calculation method	
Repr. 2 H361 Calculation method	
STOT SE 3 H335 Calculation method	
STOT RE 1 H372 Calculation method	

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.