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

1.1 Product identifier

Trade name : TESSAROL Egalin fast drying primer paint

Product code : Please see section 16 for detailed data

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

Use of the Sub- : Building and construction work

stance/Mixture Roller application or brushing, Non industrial spraying

Coatings and paints, thinners, paint removers

Recommended restrictions

on use

Professional and consumer use of coatings

1.3 Details of the supplier of the safety data sheet

Company : Helios TBLUS d.o.o.

Količevo 65 1230 Domžale Slovenia

Telephone Company : 386 (1) 722 4383

Telefax Company : 386 (1) 722 4310

Responsible/issuing person : 386 (1) 722 4383

productsafety@helios.si

1.4 Emergency telephone number

Call 999 (or 112) for emergency medical attention

professionals only: National Poison Information Service (NPIS) 24h national number 0844 892

0111

consumer: National Health Service (NHS) 24h national number, England & Scotland 111

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#### **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Flammable liquids, Category 3

H226: Flammable liquid and vapour.

Skin irritation, Category 2

H315: Causes skin irritation.

Eye irritation, Category 2 H319: Causes serious eye irritation.
Skin sensitisation, Category 1 H317: May cause an allergic skin reaction.

Specific target organ toxicity - single exposure, Category 3, Respiratory system
Specific target organ toxicity - repeated
H335: May cause respiratory irritation.
H373: May cause damage to organs through pro-

exposure, Category 2 longed or repeated exposure.

Long-term (chronic) aquatic hazard, Category 3 H412: Harmful to aquatic life with long lasting effects.

#### 2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Hazard pictograms	:		
Signal word	:	Warning	
Hazard statements	:	H226 H315 H317 H319 H335 H373	Flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause respiratory irritation. May cause damage to organs through prolonged or repeated exposure. Harmful to aquatic life with long lasting effects.
Precautionary statements	:	P101 P102	If medical advice is needed, have product container or label at hand. Keep out of reach of children.
		Prevention	:
		P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
		P260 P271 P280	Do not breathe mist or vapours. Use only outdoors or in a well-ventilated area. Wear protective gloves/ protective clothing/ eye

protection/ face protection/ hearing protection.

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Response:

P370 + P378 In case of fire: Use dry sand, dry chemical or

alcohol-resistant foam to extinguish.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved

waste disposal plant.

Hazardous components which must be listed on the label:

reaction mixture of ethylbenzene, m-xylene and p-xylene Hydrocarbons, C9 aromatics

Fatty acids, C14-18 and C16-18-unsatd., maleated maleic anhydride

#### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### **SECTION 3: Composition/information on ingredients**

#### 3.2 Mixtures

#### Components

Chemical name	CAS-No.	Classification	Concentration
	EC-No.		(% w/w)
	Index-No.		
	Registration number		
reaction mixture of ethylbenzene, m-	108-31-6	Flam. Liq. 3; H226	>= 20 - < 30
xylene and p-xylene	905-562-9	Acute Tox. 4; H332	
	01-2119555267-33	Acute Tox. 4; H312	
		Skin Irrit. 2; H315	
		Eye Irrit. 2; H319	
		STOT SE 3; H335	
		(Respiratory sys-	
		tem)	
		STOT RE 2; H373	
		Asp. Tox. 1; H304	
Hydrocarbons, C9 aromatics		Flam. Liq. 3; H226	>= 2,5 - < 10
	918-668-5	STOT SE 3; H336	
	01-2119455851-35	(Central nervous	
		system)	
		STOT SE 3; H335	
		(Respiratory sys-	
		tem)	

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		Asp. Tox. 1; H304 Aquatic Chronic 2; H411	
1-butanol	200-751-6 603-004-00-6 01-2119484630-38	Flam. Liq. 3; H226 Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H336 (Central nervous system) STOT SE 3; H335 (Respiratory system)	>= 1 - < 3
fatty acids, C14-18 and C16-18- unsatd., maleated	288-306-2 01-2119976378-19	Skin Irrit. 2; H315 Skin Sens. 1; H317	>= 0,1 - < 1
maleic anhydride	203-571-6 607-096-00-9 01-2119472428-31	Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318 Resp. Sens. 1; H334 STOT RE 1; H372 (Respiratory system) ————————————————————————————————————	>= 0,001 - < 0,0025
Substances with a workplace exposu	re limit :		
calcium carbonate	207-439-9 01-2119486795-18		>= 30 - < 50
talc	238-877-9 01-2120140278-58		>= 10 - < 20
titanium dioxide	236-675-5 01-2119489379-17		>= 1 - < 10

For explanation of abbreviations see section 16.

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#### **SECTION 4: First aid measures**

#### 4.1 Description of first aid measures

General advice : Move out of dangerous area.

Show this safety data sheet to the doctor in attendance.

Do not leave the victim unattended.

If inhaled : If breathed in, move person into fresh air.

If symptoms persist, call a physician.

If unconscious, place in recovery position and seek medical

advice.

If unconscious, place in recovery position and seek medical

advice.

If symptoms persist, call a physician.

In case of skin contact : If skin irritation persists, call a physician.

If on skin, rinse well with water. If on clothes, remove clothes.

In case of eye contact : Immediately flush eye(s) with plenty of water.

Remove contact lenses. Protect unharmed eye.

Keep eye wide open while rinsing.

If eye irritation persists, consult a specialist.

If swallowed : Keep respiratory tract clear.

Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

If symptoms persist, call a physician. Take victim immediately to hospital.

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

Risks : Causes skin irritation.

May cause an allergic skin reaction. Causes serious eye irritation. May cause respiratory irritation.

May cause damage to organs through prolonged or repeated

exposure.

Causes skin irritation.

May cause an allergic skin reaction. Causes serious eye irritation. May cause respiratory irritation.

May cause damage to organs through prolonged or repeated

exposure.

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

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Treatment Treat symptomatically.

### **SECTION 5: Firefighting measures**

5.1 Extinguishing media

Suitable extinguishing media : Alcohol-resistant foam

Carbon dioxide (CO2)

Dry chemical

Unsuitable extinguishing

media

High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-

fighting

Do not allow run-off from fire fighting to enter drains or water

courses.

ucts

Hazardous combustion prod- : No hazardous combustion products are known

5.3 Advice for firefighters

for firefighters

Special protective equipment : In the event of fire, wear self-contained breathing apparatus.

Collect contaminated fire extinguishing water separately. This Further information

must not be discharged into drains.

Fire residues and contaminated fire extinguishing water must

be disposed of in accordance with local regulations.

For safety reasons in case of fire, cans should be stored sepa-

rately in closed containments.

Use a water spray to cool fully closed containers.

#### **SECTION 6: Accidental release measures**

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

Personal precautions Use personal protective equipment.

Remove all sources of ignition. Evacuate personnel to safe areas.

Beware of vapours accumulating to form explosive concentra-

tions. Vapours can accumulate in low areas.

6.2 Environmental precautions

**Environmental precautions** Prevent product from entering drains.

Prevent further leakage or spillage if safe to do so.

If the product contaminates rivers and lakes or drains inform

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respective authorities.

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

Methods for cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

### 6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

### **SECTION 7: Handling and storage**

#### 7.1 Precautions for safe handling

Advice on safe handling

Avoid formation of aerosol.

Do not breathe vapours/dust.

Avoid exposure - obtain special instructions before use.

Avoid contact with skin and eyes. For personal protection see section 8.

Smoking, eating and drinking should be prohibited in the ap-

plication area.

Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in work rooms. Open drum carefully as content may be under pressure. Dispose of rinse water in accordance with local and national

regulations.

Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being

used.

Advice on protection against

fire and explosion

Do not spray on a naked flame or any incandescent material. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Keep away from open flames, hot surfaces and sources of ignition.

When using do not eat or drink. When using do not smoke. Hygiene measures

Wash hands before breaks and at the end of workday.

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

Requirements for storage areas and containers

No smoking. Keep container tightly closed in a dry and wellventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

Further information on stor-

age stability

No decomposition if stored and applied as directed.

#### 7.3 Specific end use(s)

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Specific use(s) : For further information, refer to the product technical data

sheet.

Consult the technical guidelines for the use of this sub-

stance/mixture.

## **SECTION 8: Exposure controls/personal protection**

### 8.1 Control parameters

### **Occupational Exposure Limits**

CAS-No.	Value type (Form	Control parameters	Basis		
471-34-1	`	10 mg/m3	GB EH40		
	TWA (Respirable	4 mg/m3	GB EH40		
	dust)				
1330-20-7	TWA	50 ppm	GB EH40		
		220 mg/m3			
		are concerns that dermal ab	sorption will		
lead to system	nic toxicity.				
	STEL	100 ppm	GB EH40		
		441 mg/m3			
Further inform	nation: Can be absor	bed through the skin. The as	signed sub-		
stances are th	ose for which there				
lead to system	nic toxicity.				
	TWA	50 ppm	2000/39/EC		
		221 mg/m3			
Further inform	nation: Identifies the	possibility of significant uptal	ce through the		
skin, Indicative	е				
	STEL	100 ppm	2000/39/EC		
		442 mg/m3			
Further inform	ation: Identifies the	possibility of significant uptal	ce through the		
skin, Indicative	e				
14807-96-6	TWA (Respirable	1 mg/m3	GB EH40		
	dust)				
	TWA (Respirable	0,1 mg/m3	2004/37/EC		
	dust) `				
13463-67-7	TWA (inhalable	10 mg/m3	GB EH40		
	dust)				
	,	4 mg/m3	GB EH40		
71-36-3	STEL	50 ppm	GB EH40		
	Further inform stances are the lead to system  Further inform stances are the lead to system  Further inform skin, Indicative 14807-96-6  Further inform 13463-67-7	of exposure)  471-34-1 TWA (inhalable dust)  TWA (Respirable dust)  1330-20-7 TWA  Further information: Can be absorstances are those for which there lead to systemic toxicity.  STEL  Further information: Can be absorstances are those for which there lead to systemic toxicity.  TWA  Further information: Identifies the skin, Indicative  STEL  Further information: Identifies the skin, Indicative  14807-96-6 TWA (Respirable dust)  TWA (Respirable dust)  Further information: Carcinogens and the standard st	of exposure)  471-34-1 TWA (inhalable dust)  TWA (Respirable dust)  1330-20-7 TWA  Further information: Can be absorbed through the skin. The asstances are those for which there are concerns that dermal abslead to systemic toxicity.  STEL  100 ppm 441 mg/m3  Further information: Can be absorbed through the skin. The asstances are those for which there are concerns that dermal abslead to systemic toxicity.  TWA  50 ppm 221 mg/m3  Further information: Identifies the possibility of significant uptakskin, Indicative  STEL  100 ppm 421 mg/m3  Further information: Identifies the possibility of significant uptakskin, Indicative  STEL  100 ppm 442 mg/m3  Further information: Identifies the possibility of significant uptakskin, Indicative  14807-96-6  TWA (Respirable dust)  TWA (Respirable 0,1 mg/m3  dust)  Further information: Carcinogens or mutagens  13463-67-7  TWA (inhalable dust)  TWA (Respirable dust)  4 mg/m3		

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			154 mg/m3	
		nose for which there	bed through the skin. The as are concerns that dermal abs	
maleic anhydride	108-31-6	TWA	1 mg/m3	GB EH40
	Further inform	Further information: Capable of causing occupational asthma.		
		STEL	3 mg/m3	GB EH40
	Further information: Capable of causing occupational asthma.			

### **Biological occupational exposure limits**

Substance name	CAS-No.	Control parameters	Sampling time	Basis
reaction mixture of	1330-20-7	methyl hippuric	After shift	GB EH40
ethylbenzene, m-xylene		acid: 650 Millimo-		BAT
and p-xylene		les per mole creat-		
		inine		
		(Urine)		

## **Derived No Effect Level (DNEL):**

according to Regulation (EC) No. 1907/2006

Substance name	End Use	Exposure routes	Potential health effects	Value
Calcium carbonate	Workers	Inhalation	Long-term local effects	4,26 mg/m3
	Consumers	Inhalation	Long-term local ef- fects	1,06 mg/m3
reaction mixture of ethylbenzene, m-xylene and p-xylene	Workers	Inhalation	Long-term systemic effects	77 mg/m3
	Consumers	Inhalation	Long-term local effects	65,3 mg/m3
	Workers	Inhalation	Acute systemic effects	442 mg/m3
	Workers	Inhalation	Acute local effects	289 mg/m3
	Consumers	Inhalation	Acute systemic effects	260 mg/m3
	Workers	Inhalation	Long-term local ef- fects	221 mg/m3
	Consumers	Inhalation	Long-term systemic effects	14,8 mg/m3
	Consumers	Inhalation	Acute local effects	260 mg/m3
	Consumers	Dermal	Long-term systemic effects	108 mg/kg bw/day
	Consumers	Oral	Long-term systemic effects	16 mg/kg bw/day
	Workers	Dermal	Long-term systemic effects	180 mg/kg bw/day
Talc	Workers	Inhalation	Acute systemic effects	2,16 mg/m3
	Workers	Inhalation	Acute local effects	3,6 mg/m3

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	Consumers	Inhalation	Acute systemic effects	1,08 mg/m3
	Consumers	Inhalation	Acute local effects	1,8 mg/m3
	Consumers	Dermal	Long-term local ef- fects	2,27 mg/cm2
	Workers	Dermal	Long-term local ef- fects	4,54 mg/cm2
	Consumers	Oral	Long-term systemic effects	160 mg/kg bw/day
	Consumers	Oral	Acute systemic ef- fects	160 mg/kg bw/day
	Workers	Dermal	Long-term systemic effects	43,2 mg/kg bw/day
	Consumers	Dermal	Long-term systemic effects	21,6 mg/kg bw/day
Hydrocarbons, C9 aromatics	Workers	Inhalation	Long-term systemic effects	150 mg/m3
	Workers	Oral	Long-term systemic effects	150 mg/m3
	Consumers	Inhalation	Long-term exposure	32 mg/m3
	Workers	Dermal	Long-term systemic effects	25 mg/kg bw/day
	Consumers	Dermal	Long-term systemic effects	11 mg/kg bw/day
titanium dioxide	Workers	Inhalation	Long-term local ef- fects	10 mg/m3
	Consumers	Oral	Long-term systemic effects	700 mg/kg bw/day
butan-1-ol	Workers	Inhalation	Long-term local ef- fects	310 mg/m3
	Consumers	Inhalation	Long-term systemic effects	55,357 mg/m3
	Consumers	Inhalation	Long-term local ef- fects	155 mg/m3
	Consumers	Dermal	Long-term systemic effects	3,125 mg/kg bw/day
	Consumers	Oral	Long-term systemic effects	1,562 mg/kg bw/day
Fatty acids, C14-18 and C16-18-unsatd., maleated	Workers	Dermal	Long-term systemic effects	3,33 mg/kg bw/day
	Consumers	Dermal	Long-term systemic effects	1,67 mg/kg bw/day
	Consumers	Oral	Long-term systemic effects	1,67 mg/kg bw/day

## **Predicted No Effect Concentration (PNEC):**

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Calcium carbonate	Sewage treatment plant	100 mg/l
reaction mixture of ethylbenzene,	Soil	2,31 mg/kg dry
m-xylene and p-xylene		weight (d.w.)
	Marine water	0,327 mg/l
	Fresh water	0,327 mg/l
	Marine sediment	12,46 mg/kg dry
		weight (d.w.)
	Fresh water sediment	12,46 mg/kg dry
		weight (d.w.)
	Sewage treatment plant	6,58 mg/l
	Intermittent use/release	0,327 mg/l
Talc	Marine water	141,26 mg/l
	Fresh water	597,97 mg/l
	Marine sediment	3,13 mg/kg dry
		weight (d.w.)
	Fresh water sediment	31,33 mg/kg dry
		weight (d.w.)
	Intermittent use/release	597,97 mg/l
titanium dioxide	Soil	100 mg/kg dry
		weight (d.w.)
	Marine water	0,0184 mg/l
	Fresh water	0,184 mg/l
	Marine sediment	100 mg/kg dry
		weight (d.w.)
	Fresh water sediment	1000 mg/kg dry
		weight (d.w.)
	Sewage treatment plant	100 mg/l
	Intermittent use/release	0,193 mg/l
butan-1-ol	Soil	0,0166 mg/kg dry
		weight (d.w.)
	Marine water	0,0082 mg/l
	Fresh water	0,082 mg/l
	Marine sediment	0,0324 mg/kg dry
		weight (d.w.)
	Fresh water sediment	0,324 mg/kg dry
		weight (d.w.)
	Sewage treatment plant	2476 mg/l
	Intermittent use/release	2,25 mg/l
Fatty acids, C14-18 and C16-18-	Sewage treatment plant	100 mg/l
unsatd., maleated	3	

### 8.2 Exposure controls

## Personal protective equipment

Eye/face protection : Equipment should conform to EN 166

Eye wash bottle with pure water Tightly fitting safety goggles

Tightly fitting safety goggles Wear face-shield and protective suit for abnormal processing

problems.

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Hand protection

Gloves Viton® (> 0,6 mm; < 240 min); ISO EN374

PE laminate (> 0,1 mm; < 240 min); ISO EN374

Remarks The suitability for a specific workplace should be discussed

with the producers of the protective gloves.

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of

cuts, abrasion, and the contact time.

Skin and body protection Impervious clothing

Choose body protection according to the amount and concen-

tration of the dangerous substance at the work place.

No personal respiratory protective equipment normally re-Respiratory protection

quired.

Protective measures Wash thoroughly after handling.

Avoid contact with skin, eyes and clothing.

Keep away from food, drink and animal feedingstuffs.

### **SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

Appearance liquid

Colour in accordance with the product description

Odour solvent-like Odour Threshold No data available

pΗ No data available

-47,9 - 13,3 °C Melting point/freezing point

(calculation method (principal components, lowest value))

138 - 141,4 °C (calculation method (principal components, Boiling point/boiling range

lowest value))

Flash point 25 °C (calculation method (principal components, lowest val-

ue))

Flammability (solid, gas) Static-accumulating flammable liquid., Combustible Solids

Upper explosion limit / Upper

6,6 %(V)

flammability limit (calculation method (principal components, highest value))

Lower explosion limit / Lower

1,1 %(V)

flammability limit (calculation method (principal components, highest value))

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Relative vapour density : No data available

Relative density : No data available

Density : 1,4 - 1,48 g/cm3

Solubility(ies)

Water solubility : insoluble

Solubility in other solvents : Description: miscible with most organic solvents

Partition coefficient: n-

octanol/water

log Pow: 2,77 - 3,15 (calculation method (principal compo-

nents, highest value))

Ignition temperature : 465 - 525 °C (calculation method (principal components, high-

est value))

Decomposition temperature : No decomposition if stored and applied as directed.

Hazardous decomposition products formed under fire condi-

tions.

Viscosity

Viscosity, kinematic : > 20,5 mm2/s (40 °C)

Flow time : > 60 s at 23 °C

Cross section: 6 mm Method: ISO 2431

Explosive properties : Not applicable

Oxidizing properties : Sustains combustion

9.2 Other information

No data available

VOC : (Directive 2004/42/EC)

500 g/l

### **SECTION 10: Stability and reactivity**

#### 10.1 Reactivity

No decomposition if stored and applied as directed.

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#### 10.2 Chemical stability

No decomposition if stored and applied as directed.

#### 10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.

Vapours may form explosive mixture with air.

10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

10.5 Incompatible materials

Materials to avoid : Incompatible with strong acids and bases.

### 10.6 Hazardous decomposition products

No hazardous decomposition products are known.

#### **SECTION 11: Toxicological information**

#### 11.1 Information on toxicological effects

#### **Acute toxicity**

Not classified based on available information.

Not classified due to lack of data.

**Product:** 

Acute oral toxicity : Acute toxicity estimate: > 2.000 mg/kg

Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: > 20 mg/l

Exposure time: 4 h Test atmosphere: vapour Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 2.000 mg/kg

Method: Calculation method

#### **Components:**

#### reaction mixture of ethylbenzene, m-xylene and p-xylene:

Acute oral toxicity : LD50 Oral (Rat): >= 8.700 mg/kg

Acute inhalation toxicity : LC50 (Rat): 27,14 mg/l

Test atmosphere: vapour

Acute dermal toxicity : Assessment: The component/mixture is moderately toxic after

single contact withskin.

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



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Hydrocarbons, C9 aromatics:

Acute dermal toxicity : LD50 (Rabbit): > 3.160 mg/kg

butan-1-ol:

Acute oral toxicity : Assessment: The component/mixture is moderately toxic after

single ingestion.

LD50 Oral (Rat): > 2.000 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 5 mg/l

Test atmosphere: vapour

Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg

maleic anhydride:

Acute oral toxicity : Assessment: The component/mixture is moderately toxic after

single ingestion.

Skin corrosion/irritation

Causes skin irritation. Causes skin irritation.

**Product:** 

Remarks : May cause skin irritation and/or dermatitis.

**Components:** 

reaction mixture of ethylbenzene, m-xylene and p-xylene:

Result : irritating

butan-1-ol:

Result : irritating

Fatty acids, C14-18 and C16-18-unsatd., maleated:

Result : irritating

maleic anhydride:

Result : Corrosive after 3 minutes to 1 hour of exposure

Serious eye damage/eye irritation

Causes serious eye irritation. Causes serious eye irritation.

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**Product:** 

Remarks : May cause irreversible eye damage.

**Components:** 

reaction mixture of ethylbenzene, m-xylene and p-xylene:

Result : Eye irritation

butan-1-ol:

Result : Corrosive

Respiratory or skin sensitisation

Skin sensitisation

May cause an allergic skin reaction.

Skin sensitisation

May cause an allergic skin reaction.

Respiratory sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified due to lack of data.

Product:

Remarks : Causes sensitisation.

**Components:** 

Fatty acids, C14-18 and C16-18-unsatd., maleated:

Result : Probability or evidence of skin sensitisation in humans

maleic anhydride:

Result : Probability of respiratory sensitisation in humans based on

animaltesting

Result : Probability or evidence of skin sensitisation in humans

Germ cell mutagenicity

Not classified based on available information.

Not classified due to lack of data.

Carcinogenicity

Not classified based on available information.

Not classified due to lack of data.

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#### Reproductive toxicity

Not classified based on available information.

Not classified due to lack of data.

#### STOT - single exposure

May cause respiratory irritation. May cause respiratory irritation.

#### **Components:**

#### reaction mixture of ethylbenzene, m-xylene and p-xylene:

Assessment : May cause respiratory irritation.

### Hydrocarbons, C9 aromatics:

Assessment : May cause drowsiness or dizziness.

Assessment : May cause respiratory irritation.

butan-1-ol:

Assessment : May cause drowsiness or dizziness.

Assessment : May cause respiratory irritation.

#### STOT - repeated exposure

May cause damage to organs through prolonged or repeated exposure. May cause damage to organs through prolonged or repeated exposure.

#### **Components:**

#### reaction mixture of ethylbenzene, m-xylene and p-xylene:

Assessment : May cause damage to organs through prolonged or repeated

exposure.

maleic anhydride:

Assessment : May cause damage to organs through prolonged or repeated

exposure.

### **Aspiration toxicity**

Not classified based on available information.

Not classified due to lack of data.

#### **Components:**

#### reaction mixture of ethylbenzene, m-xylene and p-xylene:

May be fatal if swallowed and enters airways.

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#### Hydrocarbons, C9 aromatics:

May be fatal if swallowed and enters airways.

#### **Further information**

**Product:** 

Remarks Solvents may degrease the skin.

## **SECTION 12: Ecological information**

#### 12.1 Toxicity

#### **Components:**

reaction mixture of ethylbenzene, m-xylene and p-xylene:

: LC50 (Fish): >= 1 - 10 mg/l Toxicity to fish

aquatic invertebrates

Toxicity to daphnia and other : LC50 (Daphnia (water flea)): >= 1 - 10 mg/l

Toxicity to microorganisms

: EC50 (Bacteria): >= 1 - 100 mg/l

Hydrocarbons, C9 aromatics:

Toxicity to fish : LC50 (Fish): >= 9,2 mg/l

Exposure time: 96 h

aquatic invertebrates

Toxicity to daphnia and other : EC50 (Daphnia (water flea)): >= 3,2 mg/l

Exposure time: 48 h

**Ecotoxicology Assessment** 

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

butan-1-ol:

Toxicity to fish LC50 (Fish): > 1.000 mg/l

aquatic invertebrates

Toxicity to daphnia and other : LC50 (Daphnia (water flea)): > 1.000 mg/l

Toxicity to microorganisms : EC50 (Bacteria): > 1.000 mg/l

maleic anhydride:

Toxicity to fish LC50: 75 mg/l

Exposure time: 96 h

Toxicity to daphnia and other :

aquatic invertebrates (Chron-

ic toxicity)

NOEC: 10 ma/l Exposure time: 21 d

Species: Daphnia magna (Water flea)

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## 12.2 Persistence and degradability

### **Components:**

reaction mixture of ethylbenzene, m-xylene and p-xylene:

Biodegradability : Readily biodegradable.

Photodegradation : Decomposes rapidly in contact with light.

maleic anhydride:

Biodegradability : Result: Biodegradable

Biodegradation: 90 % Exposure time: 25 d

Method: OECD Test Guideline 301B

Stability in water : Hydrolyses readily.

Photodegradation

### 12.3 Bioaccumulative potential

#### **Components:**

reaction mixture of ethylbenzene, m-xylene and p-xylene:

Bioaccumulation : Bioconcentration factor (BCF): 25,9

Bioaccumulation is unlikely.

Partition coefficient: n-

octanol/water

log Pow: 2,77 - 3,15

Hydrocarbons, C9 aromatics:

Partition coefficient: n-

octanol/water

log Pow: < 4

butan-1-ol:

Partition coefficient: n-

log Pow: 0,785

octanol/water

maleic anhydride:

Bioaccumulation : Bioaccumulation is unlikely.

Partition coefficient: n-

octanol/water

: log Pow: -2,61 (20 °C)

### 12.4 Mobility in soil

### **Components:**

reaction mixture of ethylbenzene, m-xylene and p-xylene:

Distribution among environ: Koc: 537, log Koc: 2,73

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mental compartments

Moderately mobile in soils

The product evaporates from soil.

Stability in soil

Dissipation time: 23 d

Percentage dissipation: 50 % (DT50)

Hydrocarbons, C9 aromatics:

Mobility

Medium: Air

Content: 92,9 %

Medium: Water Content: 3,5 %

Medium: Soil Content: 1,9 %

Medium: Sediment Content: 1,8 %

Distribution among environ-

mental compartments

Koc: 1,71 - 14,70

Mobile in soils

The product is insoluble and floats on water.

maleic anhydride:

Mobility

Medium: Water Content: 100 %

Medium: Soil Content: 0 %

Distribution among environ-

mental compartments

Koc: 42, log Koc: 1,63

#### 12.5 Results of PBT and vPvB assessment

**Product:** 

Assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or

very persistent and very bioaccumulative (vPvB) at levels of

0.1% or higher.

#### 12.6 Other adverse effects

**Product:** 

Endocrine disrupting poten-

tial

This substance/mixture does not contain components considered to have endocrine disrupting properties for environment

according to UK REACH Article 57(f).

Additional ecological infor-

An environmental hazard cannot be excluded in the event of

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mation unprofessional handling or disposal.

Harmful to aquatic life with long lasting effects.

## **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water

courses or the soil.

Do not contaminate ponds, waterways or ditches with chemi-

cal or used container.

Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.

Dispose of as unused product. Do not re-use empty containers.

Do not burn, or use a cutting torch on, the empty drum.

## **SECTION 14: Transport information**

### 14.1 UN number

ADN : UN 1263
ADR : UN 1263
RID : UN 1263
IMDG : UN 1263
IATA : UN 1263

## 14.2 UN proper shipping name

ADN : PAINT
ADR : PAINT
RID : PAINT
IMDG : PAINT
IATA : Paint

### 14.3 Transport hazard class(es)

Class Subsidiary risks

ADN : 3
ADR : 3
RID : 3

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**IMDG** : 3 **IATA** : 3

### 14.4 Packing group

ADN

Packing group : III
Classification Code : F1
Hazard Identification Number : 30
Labels : 3

**ADR** 

Packing group : III
Classification Code : F1
Hazard Identification Number : 30
Labels : 3
Tunnel restriction code : (D/E)

**RID** 

Packing group : III
Classification Code : F1
Hazard Identification Number : 30
Labels : 3

**IMDG** 

Packing group : III
Labels : 3
EmS Code : F-E, <u>S-E</u>

IATA (Cargo)

Packing instruction (cargo : 366

aircraft)

Packing instruction (LQ) : Y344
Packing group : III

Labels : Flammable Liquids

IATA (Passenger)

Packing instruction (passen: 355

ger aircraft)

Packing instruction (LQ) : Y344
Packing group : III

Labels : Flammable Liquids

### 14.5 Environmental hazards

**ADN** 

Environmentally hazardous : no

**ADR** 

Environmentally hazardous : no

RID

Environmentally hazardous : no

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**IMDG** 

Marine pollutant : no

14.6 Special precautions for user

Remarks : ADR: Packages smaller than or equal to 450 litres, not

goods/merchandise of Class 3 (exemption ADR 2.2.3.1.5) IMDG: Packages smaller than or equal to 450 litres, not goods/merchandise of Class 3; "transport acc. IMDG-code

2.3.2.5"

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

**SECTION 15: Regulatory information** 

15.1 Safety, health and environmental regulations/legislation specific for the substance or mix-

Relevant EU provisions transposed through retained EU law

UK REACH List of restrictions (Annex 17) : Conditions of restriction for the fol-

lowing entries should be considered:

Number on list 3

Not applicable

Not applicable

UK REACH Candidate list of substances of very high

concern (SVHC) for Authorisation

The Persistent Organic Pollutants Regulations (retained

Regulation (EU) 2019/1021 as amended for Great Brit-

ain)

Regulation (EC) No 1005/2009 on substances that de-

plete the ozone layer

UK REACH List of substances subject to authorisation

(Annex XIV)

GB Export and import of hazardous chemicals - Prior

Informed Consent (PIC) Regulation

Control of Major Accident Hazards Regulations P5c

2015 (COMAH)

: Not applicable

: Not applicable

: Not applicable

• •

FLAMMABLE LIQUIDS

Volatile organic compounds : Directive 2004/42/EC

Volatile organic compounds (VOC) content: 500 g/l

Other regulations:

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to new and expectant mothers at work contained in Regulation 16 to 18) and of the Pregnant Workers Directive 92/85/EEC.

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements

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relating to protection of young people at work contained in Regulation 19) and of Directive 94/33/EC on the protection of young people at work.

#### 15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

#### **SECTION 16: Other information**

#### **Full text of H-Statements**

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.

H332 : Harmful if inhaled.

H334 : May cause allergy or asthma symptoms or breathing difficul-

ties if inhaled.

H335 : May cause respiratory irritation. H336 : May cause drowsiness or dizziness.

H372 : Causes damage to organs through prolonged or repeated

exposure if inhaled.

H373 : May cause damage to organs through prolonged or repeated

exposure.

H411 : Toxic to aquatic life with long lasting effects.

#### Full text of other abbreviations

Acute Tox. : Acute toxicity

Aquatic Chronic : Long-term (chronic) aquatic hazard

Asp. Tox. : Aspiration hazard Eye Dam. : Serious eye damage

Eye Irrit. : Eye irritation
Flam. Liq. : Flammable liquids
Resp. Sens. : Respiratory sensitisation

Skin Corr. : Skin corrosion
Skin Irrit. : Skin irritation

Skin Sens. : Skin sensitisation
STOT RE : Specific target organ toxicity - repeated exposure
STOT SE : Specific target organ toxicity - single exposure

2000/39/EC : Europe. Commission Directive 2000/39/EC establishing a first

list of indicative occupational exposure limit values

2004/37/EC : Europe. Directive 2004/37/EC on the protection of workers

from the risks related to exposure to carcinogens or mutagens

at work

GB EH40 : UK. EH40 WEL - Workplace Exposure Limits
GB EH40 BAT : UK. Biological monitoring guidance values

2000/39/EC / TWA : Limit Value - eight hours

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2000/39/EC / STEL : Short term exposure limit 2004/37/EC / TWA : Long term exposure limit

GB EH40 / TWA : Long-term exposure limit (8-hour TWA reference period)
GB EH40 / STEL : Short-term exposure limit (15-minute reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways: ADR - Agreement concerning the International Carriage of Dangerous Goods by Road: AIIC - Australian Inventory of Industrial Chemicals: ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA -European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI -Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

#### **Further information**

Aquatic Chronic 3

Classification of the mixture:

Flam. Liq. 3	H226	Based on product data or assessment
Skin Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	Calculation method
Skin Sens. 1	H317	Calculation method
STOT SE 3	H335	Calculation method
STOT RE 2	H373	Calculation method

Classification procedure:

Calculation method

H412

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Material codes (bulk) for which the SDS is valid

: 401673; 401674

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