

COLORLAK barvy, které vydrží

according to Regulation (EC) No 1907/2006 (REACH) as amended

# S1023 penetrating glazing with oil LUSONOL

Creation date 27th June 2017
Revision date 22nd March 2021 Version 3.0

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

1.1. Product identifier S1023 penetrating glazing with oil LUSONOL

Substance / mixture mixture

Number S1023-A-C....; S1023-Z1C....
UFI WN1E-DJDX-U005-1460

Other mixture names S1023 Syntetická napouštěcí lazura LUSONOL

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

#### Mixture's intended use

LUSONOL S1023 glazing is intended for matt protective penetration coatings of wood exposed to weathering as well as interior wood treatment.

### Mixture uses advised against

The product should not be used in ways other then those referred in Section 1.

#### Main intended use

PC-PNT-2 Paints/coatings - Decorative

#### 1.3. Details of the supplier of the safety data sheet

#### Manufacturer

Name or trade name COLORLAK, a.s.

Address Tovární 1076, Staré Město, 686 03

Czech Republic

Identification number (CRN)49444964VAT Reg NoCZ49444964Phone+420 572527111E-mailcolorlak@colorlak.czWeb addresswww.colorlak.cz

Competent person responsible for the safety data sheet

Name Ing. Veronika Chytilová E-mail chytilova@colorlak.cz

### 1.4. Emergency telephone number

European emergency number: 112

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

### 2.1. Classification of the substance or mixture

### Classification of the mixture in accordance with Regulation (EC) No 1272/2008

The mixture is classified as dangerous.

Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336

STOT RE 2, H373 (central nervous system, respiratory tract (inhalation))

Aquatic Chronic 3, H412

Full text of all classifications and hazard statements is given in the section 16.

## Most serious adverse physico-chemical effects

Flammable liquid and vapour.

### Most serious adverse effects on human health and the environment

May be fatal if swallowed and enters airways. May cause drowsiness or dizziness. May cause damage to the central nervous system, the respiratory tract (inhalation) through prolonged or repeated exposure. Harmful to aquatic life with long lasting effects.



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#### 2.2. Label elements

### Hazard pictogram







### Signal word

Danger

### **Hazardous substances**

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

#### Hazard statements

Flammable liquid and vapour. H226

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

H373 May cause damage to the central nervous system, the respiratory tract (inhalation)

through prolonged or repeated exposure.

H412 Harmful to aquatic life with long lasting effects.

#### **Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

P260 Do not breathe vapours/spray.

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

Wear protective gloves/protective clothing/eye protection/face protection. P280

Get medical advice/attention if you feel unwell. P314

In case of fire: Use foam (alcohol resistant), carbon dioxide, a spray mist, powder to P370+P378

extinguish.

P403+P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

P501 Dispose of contents/container to by handing over to a person authorized to dispose of

waste or a site designated by the town.

### Supplemental information

**EUH211** Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe

spray or mist.

FUH204 Contains isocyanates. May produce an allergic reaction.

**EUH208** Contains 2-butanone oxime, maleic anhydride. May produce an allergic reaction.

Repeated exposure may cause skin dryness or cracking. **EUH066** 

Density 0,83 - 1,32 g/cm<sup>3</sup> at 23 °C (ČSN EN ISO 2811-2)

VOC 0,578 kg/kg TOC 0,485 kg/kg 15-45 % volume Dry matter VOC limit value cat. A (h) SB: 750 g/l

Max. VOC content in the product in its ready to use

585 a/l

### Requirements for child-resistant fastenings and tactile warning of danger

Container must carry a tactile warning of danger. Container must be fitted with child-resistant fastening.

#### 2.3. Other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended.



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

#### 3.2. **Mixtures**

### **Chemical characterization**

LUSONOL S1023 is a solution of alkyd resins in organic solvents with the addition of drying oils and dispersions of organic and inorganic pigments and additives. Mixture of substances and additives specified below.

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
EC: 919-857-5 Registration number: 01-2119463258-33	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics	45,5-49	Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336 EUH066	7
Index: 022-006-00-2 CAS: 13463-67-7 EC: 236-675-5 Registration number: 01-2119489379-17	titanium dioxide	≤10,5	Carc. 2, H351 (inhalation)	2, 3, 4
EC: 919-446-0 Registration number: 01-2119458049-33	hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	7,5-9	Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336 STOT RE 1, H372 (central nervous system, respiratory tract (inhalation)) Aquatic Chronic 2, H411 EUH066	7
CAS: 1309-37-1 EC: 215-168-2 Registration number: 01-2119457614-35- 0000	diiron trioxide	≤3,1	not classified as dangerous	
CAS: 1333-86-4 EC: 215-609-9	carbon black	≤1,5	not classified as dangerous	
CAS: 74336-59-7 EC: 277-823-9 Registration number: 01-2119936828-22- 0000	3-[(4-chloro-2-nitrophenyl)azo]-2-methylpyrazolo[5,1-b]quinazolin-9(1H)-one	≤1,1	not classified as dangerous	
Index: 607-195-00-7 CAS: 108-65-6 EC: 203-603-9 Registration number: 01-2119475791-29	2-methoxy-1-methylethyl acetate	<1	Flam. Liq. 3, H226 STOT SE 3, H336	5
CAS: 1302-78-9	Bentonite	≤0,5	not classified as dangerous	
Index: 601-022-00-9 CAS: 1330-20-7 EC: 215-535-7 Registration number: 01-2119488216-32	xylene	≤0,4	Flam. Liq. 3, H226 Acute Tox. 4, H312, H332 Skin Irrit. 2, H315	1, 5
Index: 616-014-00-0 CAS: 96-29-7 EC: 202-496-6 Registration number: 01-2119539477-28	2-butanone oxime	0,1-0,2	Acute Tox. 4, H312 Skin Sens. 1, H317 Eye Dam. 1, H318 Carc. 2, H351	

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Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
Index: 601-023-00-4 CAS: 100-41-4 EC: 202-849-4 Registration number: 01-2119489370-35	ethylbenzene	≤0,12	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Acute Tox. 4, H332 STOT RE 2, H373 (hearing organs)	5
Index: 615-006-00-4 CAS: 26471-62-5 EC: 247-722-4	m-tolylidene diisocyanate	<0,02	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319 Acute Tox. 2, H330 Resp. Sens. 1, H334 STOT SE 3, H335 Carc. 2, H351 Aquatic Chronic 3, H412 Specific concentration limit: Resp. Sens. 1, H334: C ≥ 0,1 %	1, 6
Index: 607-096-00-9 CAS: 108-31-6 EC: 203-571-6	maleic anhydride	≤0,001	Acute Tox. 4, H302 Skin Corr. 1B, H314 Skin Sens. 1A, H317 Eye Dam. 1, H318 Resp. Sens. 1, H334 STOT RE 1, H372 (respiratory tract (inhalation)) EUH071 Specific concentration limit: Skin Sens. 1A, H317: C ≥ 0,001 %	

### Notes

- 1 Note C: Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.
- Note V: If the substance is to be placed on the market as fibres (with diameter < 3 µm, length > 5 µm and aspect ratio ≥ 3:1) or particles of the substance fulfilling the WHO fibre criteria or as particles with modified surface chemistry, their hazardous properties must be evaluated in accordance with Title II of this Regulation, to assess whether a higher category (Carc. 1B or 1A) and/or additional routes of exposure (oral or dermal) should be applied.
- Note W: It has been observed that the carcinogenic hazard of this substance arises when respirable dust is inhaled in quantities leading to significant impairment of particle clearance mechanisms in the lung.
  - This note aims to describe the particular toxicity of the substance; it does not constitute a criterion for classification according to this Regulation.
- 4 Note 10: The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter  $\leq$  10  $\mu$ m.
- 5 Substance with a Union workplace exposure limit.
- 6 The use of the substance is restricted by Annex XVII of REACH Regulation
- 7 Substance of unknown or variable composition, complex reaction products or biological materials UVCB.

Full text of all classifications and hazard statements is given in the section 16.

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

### 4.1. Description of first aid measures

Do not perform artificial respiration without self-protection (e.g. a mask). Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet. If unconscious, put the person in the stabilized (recovery) position on his side with his head slightly bent backwards and make sure that airways are free; never induce vomiting. If the person vomits by himself, make sure that the vomit is not inhaled. In life threatening conditions first of all provide resuscitation of the affected person and ensure medical assistance. Respiratory arrest - provide artificial respiration immediately. Cardiac arrest - provide indirect cardiac massage immediately.



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#### If inhaled

Take care of your own safety, do not let the affected person walk! Terminate the exposure immediately; move the affected person to fresh air. Beware of the contaminated clothes. Depending on the situation, call the medical rescue service and ensure medical treatment considering the frequent need of further observation for at least 24 hours.

#### If on skin

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible. Soap, soap solution or shampoo should be used if there is no skin injury. Provide medical treatment if skin irritation persists. Rinse skin with water or shower.

#### If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes.

#### If swallowed

If the affected person vomits, make sure to prevent inhalation of the vomit (as there is a danger of lung damage after inhalation of these liquids in the airways also in infinitesimal amount). Ensure medical treatment considering the frequent need of further observation for at least 24 hours. Bring an original container with the label and the Safety Data Sheet of the given substance as appropriate.

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

#### If inhaled

Cough, headache. May cause drowsiness or dizziness.

#### If on skin

Not expected.

#### If in eyes

Not expected.

#### If swallowed

Irritation, nausea.

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

Symptomatic treatment.

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

## 5.1. Extinguishing media

### Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

### Unsuitable extinguishing media

Water - full jet.

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

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

### 5.3. Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Closed containers with the product near the fire should be cooled with water. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

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

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

Provide sufficient ventilation. Flammable liquid and vapour. Remove all ignition sources. Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Do not inhale aerosols.

## 6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water.

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

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

### 6.4. Reference to other sections

See the Section 7, 8 and 13.





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

### Precautions for safe handling

Prevent formation of gases and vapours in flammable or explosive concentrations and concentrations exceeding the occupational exposure limits. The product should be used only in the areas where it is not in contact with open fire and other ignition sources. Use non-sparking tools. Use of antistatic clothes and footwear is recommended. Do not inhale aerosols. No smoking. Use only outdoors or in a well-ventilated area. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Take action to prevent static discharges. Avoid release to the environment. Dispose of absorbent materials of organic origin (rags, sawdust, paper, etc.) contaminated with S1023 - risk of spontaneous combustion.

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

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose. Do not expose to sunlight. Store locked up. Keep container tightly closed. Keep cool.

Content	Packaging type	Material of package
0,9	can / tin	FE
2,2	can / tin	FE
2,5 l	can / tin	FE
3	can / tin	FE
8	can / tin	FE
18	can / tin	FE
30	can / tin	FE

Storage class 3A - Flammable liquids (flash point below 55 °C)

+5-25 °C Storage temperature

#### The specific requirements or rules relating to the substance/mixture

Solvent vapours are heavier than air and accumulate especially near the floor where they may form an explosive mixture with the air.

#### 7.3. Specific end use(s)

not available

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

#### **Control parameters** 8.1.

The mixture contains substances for which occupational exposure limits are set.

# **European Union**

### Commission Directive 2000/39/EC

Substance name (component)	Туре	Value	Note
	OEL 8 hours	275 mg/m <sup>3</sup>	
2-methoxy-1-methylethyl acetate (CAS: 108-65-	OEL 8 hours	50 ppm	Chin
6)	OEL 15 minutes	550 mg/m <sup>3</sup>	Skin
	OEL 15 minutes	100 ppm	
	OEL 8 hours	221 mg/m <sup>3</sup>	
	OEL 8 hours	50 ppm	
xylene (CAS: 1330-20-7)	OEL 15 minutes	442 mg/m <sup>3</sup>	Skin
	OEL 15 minutes	100 ppm	
	OEL 8 hours	442 mg/m <sup>3</sup>	
ethylbenzene (CAS: 100-41-4)	OEL 8 hours	100 ppm	Skin
Carybenzene (CAS. 100 41 4)	OEL 15 minutes	884 mg/m³	JAIII

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### **European Union**

### Commission Directive 2000/39/EC

Substance name (component)	Туре	Value	Note
ethylbenzene (CAS: 100-41-4)	OEL 15 minutes	200 ppm	Skin

### **DNEL**

# 2-butanone oxime

Workers / consumers	Route of exposure	Value	Effect	Determining method
Workers	Inhalation	9 mg/m³	Systemic chronic effects	
Workers	Inhalation	3.33 mg/m <sup>3</sup>	Local chronic effects	
Workers	Dermal	1.3 mg/kg bw/day	Systemic chronic effects	
Workers	Dermal	2.5 mg/kg bw/day	Systemic acute effects	
Consumers	Inhalation	2.7 mg/m <sup>3</sup>	Systemic chronic effects	
Consumers	Inhalation	2 mg/m <sup>3</sup>	Local chronic effects	
Consumers	Dermal	780 μg/kg	Systemic chronic effects	
Consumers	Dermal	1.5 mg/kg bw/day	Systemic acute effects	

# 2-methoxy-1-methylethyl acetate

Workers / consumers	Route of exposure	Value	Effect	Determining method
Workers	Inhalation	275 mg/m <sup>3</sup>	Systemic chronic effects	
Workers	Dermal	796 mg/kg bw/day	Systemic chronic effects	
Consumers	Inhalation	33 mg/m <sup>3</sup>	Systemic chronic effects	
Consumers	Dermal	320 mg/kg bw/day	Systemic chronic effects	
Consumers	Oral	36 mg/kg bw/day	Systemic chronic effects	

# 3-[(4-chloro-2-nitrophenyl)azo]-2-methylpyrazolo[5,1-b]quinazolin-9(1H)-one

Workers / consumers	Route of exposure	Value	Effect	Determining method
Workers	Inhalation	10 mg/m <sup>3</sup>	Local chronic effects	
Consumers	Inhalation	10 mg/m <sup>3</sup>	Local chronic effects	

# ethylbenzene

Workers / consumers	Route of exposure	Value	Effect	Determining method
Workers	Inhalation	77 mg/m <sup>3</sup>	Systemic chronic effects	
Workers	Dermal	180 mg/kg bw/day	Systemic chronic effects	
Consumers	Inhalation	15 mg/m <sup>3</sup>	Systemic chronic effects	
Consumers	Oral	1.6 mg/kg bw/day	Systemic chronic effects	

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Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics

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Workers / consumers	Route of exposure	Value	Effect	Determining method
Workers	Inhalation	1500 mg/m <sup>3</sup>	Systemic chronic effects	
Workers	Dermal	300 mg/kg bw/day	Systemic chronic effects	
Consumers	Inhalation	900 mg/m <sup>3</sup>	Systemic chronic effects	
Consumers	Dermal	300 mg/kg bw/day	Systemic chronic effects	
Consumers	Oral	300 mg/kg bw/day	Systemic chronic effects	

hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Workers / consumers	Route of exposure	Value	Effect	Determining method
Workers	Inhalation	330 mg/m <sup>3</sup>	Systemic chronic effects	
Workers	Dermal	44 mg/kg bw/day	Systemic chronic effects	
Consumers	Inhalation	71 mg/m³	Systemic chronic effects	
Consumers	Dermal	26 mg/kg bw/day	Systemic chronic effects	
Consumers	Oral	26 mg/kg bw/day	Systemic chronic effects	

### maleic anhydride

Workers / consumers	Route of exposure	Value	Effect	Determining method
Workers	Inhalation	0.19 mg/m <sup>3</sup>	Systemic chronic effects	
Workers	Inhalation	0.8 mg/m <sup>3</sup>	Systemic acute effects	
Consumers	Inhalation	0.05 mg/m <sup>3</sup>	Systemic chronic effects	
Consumers	Inhalation	0.08 mg/m <sup>3</sup>	Local chronic effects	
Consumers	Dermal	0.1 mg/kg bw/day	Systemic chronic effects	
Consumers	Oral	0.06 mg/kg bw/day	Systemic chronic effects	

# titanium dioxide

Workers / consumers	Route of exposure	Value	Effect	Determining method
	Inhalation	10 mg/m <sup>3</sup>	Local chronic effects	

# xylene

Workers / consumers	Route of exposure	Value	Effect	Determining method
Workers	Inhalation	77 mg/m <sup>3</sup>	Systemic chronic effects	
Workers	Dermal	180 mg/kg bw/day	Systemic chronic effects	
Consumers	Inhalation	14.8 mg/m <sup>3</sup>	Systemic chronic effects	
Consumers	Dermal	108 mg/kg bw/day	Systemic chronic effects	
Consumers	Oral	1.6 mg/kg bw/day	Systemic chronic effects	

# **PNEC**

## 2-butanone oxime

Route of exposure	Value	Determining method
Freshwater environment	256 μg/l	
Water (intermittent release)	118 μg/l	





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Route of exposure	Value	Determining method
Microorganisms in wastewater treatment plants	177 mg/l	

# 2-methoxy-1-methylethyl acetate

Route of exposure	Value	Determining method
Freshwater environment	0.635 mg/l	
Seawater	0.0635 mg/l	
Microorganisms in wastewater treatment plants	100 mg/l	
Freshwater sediment	3.29 mg/kg of dry substance of sediment	
Sea sediments	0.329 mg/kg of dry substance of sediment	
Soil (agricultural)	0.29 mg/kg of dry substance of soil	

# ethylbenzene

Route of exposure	Value	Determining method
Freshwater environment	100 μg/l	
Seawater	10-100 μg/l	
Water (intermittent release)	100 μg/l	
Microorganisms in wastewater treatment plants	9.6 mg/l	
Freshwater sediment	13.7 mg/kg of dry substance of sediment	
Sea sediments	1.37 mg/kg of dry substance of sediment	
Soil (agricultural)	2.68 mg/kg of dry substance of soil	
Food chain	20 mg/kg of food	

# maleic anhydride

Route of exposure	Value	Determining method
Freshwater environment	75 μg/l	
Seawater	7.5 μg/l	
Water (intermittent release)	428.1 μg/l	
Microorganisms in wastewater treatment plants	4.46 mg/l	
Freshwater sediment	60 μg/kg	
Sea sediments	6 μg/kg	
Soil (agricultural)	10 μg/kg	

### titanium dioxide

Route of exposure	Value	Determining method
Freshwater environment	0.127 mg/l	
Seawater	1 mg/l	
Water (intermittent release)	0.61 mg/l	
Freshwater sediment	1000 mg/kg	
Sea sediments	100 mg/kg	
Soil (agricultural)	100 mg/kg	
Microorganisms in wastewater treatment plants	100 mg/l	
Food chain	1667 mg/kg	



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xylene

Route of exposure	Value	Determining method
Freshwater environment	327 μg/l	
Seawater	327 μg/l	
Water (intermittent release)	327 μg/l	
Microorganisms in wastewater treatment plants	6.58 mg/l	
Freshwater sediment	12.46 mg/kg bw/day	
Sea sediments	12.46 mg/kg bw/day	
Soil (agricultural)	2.31 mg/kg of dry substance of soil	

#### 8.2. Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. If exposure limits cannot be observed in this mode, suitable protection of airways must be used. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

#### Eye/face protection

It is not needed. **Skin protection** 

Hand protection: Protective gloves resistant to the product. Contaminated skin should be washed thoroughly.

#### Respiratory protection

Mask with a filter against organic vapours in a poorly ventilated environment.

#### Thermal hazard

Not available.

### **Environmental exposure controls**

Observe usual measures for protection of the environment, see Section 6.2.

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

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

Physical state liquid

Color mixture containing generic product identifier 'colorant'

(select all relevant colours), by shades

Odour after organic solvents

Melting point/freezing point data not available 2-methoxy-1-methylethyl acetate (CAS: 108-65-6) -66 °C (BL dodavatele)

butan-1-ol (CAS: 71-36-3) -90 °C (BL dodavatele)

diiron trioxide (CAS: 1309-37-1) >1000 °C (BL dodavatele) hydrocarbons, C10-C13, n-alanes, isolakanes, cyclics,

<2% aromatics <-20 °C (BL dodavatele)

Iron hydroxide oxide (Fe(OH)O) (CAS: 20344-49-4) 1597 °C (BL dodavatele) Linseed oil (CAS: 8001-26-1) -20 °C (BL dodavatele)

n-butyl acetate (CAS: 123-86-4)

Technical xylene (mixed with ethylbenzene)

-78 °C (BL dodavatele)

-94,96-13,2 °C (BL dodavatele)

titanium dioxide (CAS: 13463-67-7)

+94,96-13,2 °C (BL dodavatele)

>1560 °C (BL dodavatele)

Boiling point or initial boiling point and boiling range data not available

2-methoxy-1-methylethyl acetate (CAS: 108-65-6) 145,8 °C (BL dodavatele) butan-1-ol (CAS: 71-36-3) 119 °C (BL dodavatele)

hydrocarbons, C10-C13, n-alanes, isolakanes, cyclics, 2% aromatics 160-245 °C (BL dodavatele)

n-butyl acetate (CAS: 123-86-4) 124-126,5 °C (BL dodavatele)
Technical xylene (mixed with ethylbenzene) 136,2-144,5 °C (BL dodavatele)

titanium dioxide (CAS: 13463-67-7) 3000 °C (BL dodavatele)

Flammability Flammable liquid of risk class II (ČSN 65 0201)

n-butyl acetate (CAS: 123-86-4) hořlavý (odvozeno od bodu vzplanutí)

Technical xylene (mixed with ethylbenzene) hořlavý (BL dodavatele)





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Lower and upper explosion limit bottom 0,5 % (for petrols) 2-methoxy-1-methylethyl acetate (CAS: 108-65-6) 1,5 % (BL dodavatele) butan-1-ol (CAS: 71-36-3) 1,4 % (BL dodavatele) n-butyl acetate (CAS: 123-86-4) 1,2 % (literatura) Technical xylene (mixed with ethylbenzene) 0,8 % (BL dodavatele) 6,5 % (for petrols) 2-methoxy-1-methylethyl acetate (CAS: 108-65-6) 7,0 % (BL dodavatele) butan-1-ol (CAS: 71-36-3) 11,3 % (BL dodavatele) n-butyl acetate (CAS: 123-86-4) 7,6 % (literatura) Technical xylene (mixed with ethylbenzene) 7 % (BL dodavatele) Flash point 28 °C (PND 67 3015) 2-methoxy-1-methylethyl acetate (CAS: 108-65-6) 45 °C (BL dodavatele) butan-1-ol (CAS: 71-36-3) 35 °C (BL dodavatele) hydrocarbons, C10-C13, n-alanes, isolakanes, cyclics, >61 °C (BL dodavatele) <2% aromatics Linseed oil (CAS: 8001-26-1) >300 °C (BL dodavatele) n-butyl acetate (CAS: 123-86-4) 27 °C (BL dodavatele) 18-32 °C (BL dodavatele) Technical xylene (mixed with ethylbenzene) Auto-ignition temperature data not available 2-methoxy-1-methylethyl acetate (CAS: 108-65-6) 333 °C (BL dodavatele) 355 °C (BL dodavatele) butan-1-ol (CAS: 71-36-3) hydrocarbons, C10-C13, n-alanes, isolakanes, cyclics, >200 °C (BL dodavatele) <2% aromatics n-butyl acetate (CAS: 123-86-4) 415 °C (BL dodavatele) Technical xylene (mixed with ethylbenzene) 432-528 °C (BL dodavatele) Decomposition temperature data not available 3-[(4-chloro-2-nitrophenyl)azo]-2-methylpyrazolo[5,1-320 °C (BL dodavatele) b]quinazolin-9(1H)-one (CAS: 74336-59-7) Iron hydroxide oxide (Fe(OH)O) (CAS: 20344-49-4) 180 °C (BL dodavatele) non-soluble (in water) 2-[(2-methoxy-4-nitrophenyl)azo]-N-(2-5,5-8,5 (5% solution at 25 °C) (BL dodavatele) methoxyphenyl)-3-oxobutyramide (CAS: 6358-31-2) 3-[(4-chloro-2-nitrophenyl)azo]-2-methylpyrazolo[5,1-5-8 (undiluted) (BL dodavatele) b]quinazolin-9(1H)-one (CAS: 74336-59-7) 6,5-8,5 (undiluted) (BL dodavatele) C.I. pigment Green 7 (CAS: 1328-53-6) diiron trioxide (CAS: 1309-37-1) 5-8 (5% solution) (BL dodavatele) Iron hydroxide oxide (Fe(OH)O) (CAS: 20344-49-4) 3,5-8 (5% solution) (BL dodavatele) Kinematic viscosity <20,5 mm<sup>2</sup>/s at 40 °C Kinematic viscosity data not available 2-methoxy-1-methylethyl acetate (CAS: 108-65-6) 1,23 mm<sup>2</sup>/s at 40 °C (BL dodavatele) n-butyl acetate (CAS: 123-86-4) 0,83 mm<sup>2</sup>/s at 20 °C (BL dodavatele) Outflow time from a cup with a nozzle of Ø 2 mm: 40-75 s Viscosity - flow time Solubility in water not miscible 2-[(2-methoxy-4-nitrophenyl)azo]-N-(2nerozpustný (BL dodavatele) methoxyphenyl)-3-oxobutyramide (CAS: 6358-31-2) 2-methoxy-1-methylethyl acetate (CAS: 108-65-6) 247 g/l (BL dodavatele) 3-[(4-chloro-2-nitrophenyl)azo]-2-methylpyrazolo[5,1nerozpustný (BL dodavatele) b]quinazolin-9(1H)-one (CAS: 74336-59-7) 75 g/l při 20 °C (BL dodavatele) butan-1-ol (CAS: 71-36-3) C.I. pigment Green 7 (CAS: 1328-53-6) nerozpustný (BL dodavatele) Iron hydroxide oxide (Fe(OH)O) (CAS: 20344-49-4) <0,001 g/l (BL dodavatele) Linseed oil (CAS: 8001-26-1) <0,001 g/l (BL dodavatele) n-butyl acetate (CAS: 123-86-4) 5,3 g/l při 20 °C (pH 6) (BL dodavatele) Technical xylene (mixed with ethylbenzene) 146-190,7 mg/l při 25 °C (BL dodavatele)

titanium dioxide (CAS: 13463-67-7)

Partition coefficient n-octanol/water (log value)

<1 µg/L v rozmezí pH 6 až 8 (BL dodavatele)

logPow 2,1-6 (for petrols)





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3-12 hPa at 20 °C (for petrols)

10 hPa at 20 °C (BL dodavatele)

<0,1 kPa at 20 °C (BL dodavatele)

1,49 g/cm3 at 20 °C (BL dodavatele)

0,964 g/cm3 at 25 °C (BL dodavatele)

1,77 g/cm3 at 20 °C (BL dodavatele)

0,81 g/cm3 at 20 °C (BL dodavatele)

4,26 g/cm³ at 20 °C (BL dodavatele)

4 g/cm<sup>3</sup> at 20 °C (BL dodavatele)

miscible sediment is allowed

440 °C (PND 33 0371)

38 °C (PND 65 6212) 0,578 kg/kg (calculation)

cat. A (h) SB: 750 g/l

585 q/l (calculation)

0,485 kg/kg (calculation)

> 1 (air = 1)

0,8812 g/cm<sup>3</sup> at 20 °C (BL dodavatele)

1,7-1,9 g/cm<sup>3</sup> at 20 °C (BL dodavatele)

0,751-0,851 g/cm3 at 15 °C (BL dodavatele)

0,926-0,933 g/cm<sup>3</sup> at 20 °C (BL dodavatele)

0,862-0,88 g/cm<sup>3</sup> at 25 °C (BL dodavatele)

liquid, liquid without mechanical impurities, formation of

15-45 % volume (manufacturer's methodology B5/TD1-

0,83 - 1,32 g/cm3 at 23 °C (ČSN EN ISO 2811-2)

355 at 20 °C (BL dodavatele)

12-21 at 20 °C (literatura)

2,1 g/cm<sup>3</sup> (BL dodavatele)

650-944 Pa (BL dodavatele)

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Vapour pressure 2-methoxy-1-methylethyl acetate (CAS: 108-65-6)

butan-1-ol (CAS: 71-36-3)

hvdrocarbons, C10-C13, n-alanes, isolakanes, cyclics,

<2% aromatics

n-butyl acetate (CAS: 123-86-4)

Technical xylene (mixed with ethylbenzene)

Density and/or relative density

2-[(2-methoxy-4-nitrophenyl)azo]-N-(2-

methoxyphenyl)-3-oxobutyramide (CAS: 6358-31-2)

2-methoxy-1-methylethyl acetate (CAS: 108-65-6)

3-[(4-chloro-2-nitrophenyl)azo]-2-methylpyrazolo[5,1-

b]quinazolin-9(1H)-one (CAS: 74336-59-7)

butan-1-ol (CAS: 71-36-3)

C.I. pigment Green 7 (CAS: 1328-53-6)

carbon black (CAS: 1333-86-4)

hydrocarbons, C10-C13, n-alanes, isolakanes, cyclics,

<2% aromatics

Iron hydroxide oxide (Fe(OH)O) (CAS: 20344-49-4)

Linseed oil (CAS: 8001-26-1) n-butyl acetate (CAS: 123-86-4)

Technical xylene (mixed with ethylbenzene)

titanium dioxide (CAS: 13463-67-7)

Form 9.2. Other information

Ignition temperature

Vapour density

Combustion temperature

Content of organic solvents (VOC) Total organic carbon (TOC)

Solid content (dry matter)

VOC limit value

Max. VOC content in the product in its ready to use

condition

Calorific value: 38,71 MJ/kg (PND 65 6169); Heat of combustion: 40,98 MJ/kg (PND 65 6169); Flammability temperature class: T2 (PND 33 0371)

12B)

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

#### 10.1. Reactivity

not available

### 10.2. Chemical stability

The product is stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Hnknown

### 10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

### 10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

## 10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

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

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

Inhalation of solvent vapors above values exceeding exposure limits for working environment may result in acute inhalation poisoning, depending on the level of concentration and exposure time. No toxicological data is available for the mixture.

#### **Acute toxicity**

Based on available data the classification criteria are not met.

#### 2-butanone oxime

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex	Source
Oral	LD50		900-2326 mg/kg bw		Rat		echa
Inhalation	LC50		4.83 mg/l of air	4 hour	Rat		echa
Dermal	LD50		1000 mg/kg bw		Rabbit		echa

### 2-methoxy-1-methylethyl acetate

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex	Source
Oral	LD50		5000 mg/kg		Rat (Rattus norvegicus)		BL dodavatel e
Inhalation	LC 0		>23.5 mg/l	6 hour	Rat (Rattus norvegicus)		BL dodavatel e
Dermal	LD50		5000 mg/kg		Rat (Rattus norvegicus)		BL dodavatel e

# $3\hbox{-}[(4\hbox{-}chloro\hbox{-}2\hbox{-}nitrophenyl)azo]\hbox{-}2\hbox{-}methylpyrazolo[5,1\hbox{-}b]quinazolin\hbox{-}9(1H)\hbox{-}one$

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex	Source
Oral	LD50	OECD 401	>5000 mg/kg		Rat (Rattus norvegicus)		BL dodavatel e

### carbon black

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex	Source
Oral	LD50		13400 mg/kg		Rat		výrobce
Dermal	LD50		3000 mg/kg		Rabbit		výrobce
Oral	LD50		15400 mg/kg		Rat		výrobce
Inhalation	LD50		3000 mg/kg		Rabbit		výrobce

### diiron trioxide

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex	Source
Oral	LD50		>5000 mg/kg		Rat		BL dodavatel e

# ethylbenzene

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex	Source
Oral	LD50		3500 mg/kg		Rat		
Dermal	LD50		17800 mg/kg		Rat		
Inhalation (vapor)	LC50		17400 mg/kg	4 hour	Rat		·





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Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex	Source
Oral	LD50		5 000 - 15 000 mg/kg bw		Rat		ECHA
Inhalation	LC50		5 mg/l of air	8 hour	Rat		ECHA
Dermal	LD50		2 000 mg/kg bw		Rat		ECHA

hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex	Source
Oral	LD50		15000 mg/kg bw		Rat		ECHA
Inhalation	LD50		13.1 mg/l of air	4 hour	Rat		ECHA
Dermal	LD50		4 ml/kg bw		Rat		ECHA
Inhalation	NOAEL		300 ppm		Rat		ECHA
Dermal	NOAEL		495 mg/kg bw/day		Rat		ECHA

### maleic anhydride

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex	Source
Oral	LD50		1090 mg/kg bw		Rat (Rattus norvegicus)		ECHA
Inhalation	LC50		4.35 mg/l of air	60 min	Rat (Rattus norvegicus)		ECHA
Dermal	LD50		2620 mg/kg bw		Rabbit		ECHA

### titanium dioxide

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex	Source
Oral	LD50		>5000 mg/kg				BL dodavatel e
Inhalation	LC50		>6.82 mg/l of air				BL dodavatel e

# xylene

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex	Source
Oral	LD50		3523 mg/kg		Rat		BL dodavatel e
Dermal	LD50		2000 mg/kg		Rabbit		BL dodavatel e
Inhalation	LC50		29000 mg/m <sup>3</sup>	4 hour	Rat		BL dodavatel e

### Skin corrosion/irritation

Based on available data the classification criteria are not met.

### Serious eye damage/irritation

Based on available data the classification criteria are not met.

### Respiratory or skin sensitisation

Based on available data the classification criteria are not met.



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### Germ cell mutagenicity

Based on available data the classification criteria are not met.

### Carcinogenicity

Based on available data the classification criteria are not met.

### Reproductive toxicity

Based on available data the classification criteria are not met.

## Toxicity for specific target organ - single exposure

May cause drowsiness or dizziness.

### Toxicity for specific target organ - repeated exposure

May cause damage to the central nervous system, the respiratory tract (inhalation) through prolonged or repeated exposure.

### Repeated dose toxicity

#### 2-butanone oxime

Route of exposure	Parameter	Result	Value	Time of exposure	Species	Sex	Source
Oral	NOAEL		25-125 mg/kg bw/day		Rat		echa
Inhalation	NOAEC		90 mg/m <sup>3</sup> of air		Rat		echa

## 2-methoxy-1-methylethyl acetate

Route of exposure	Parameter	Result	Value	Time of exposure	Species	Sex	Source
Inhalation	NOAEL		1000 ppm		Rat		echa
Dermal	NOAEL		1000-1838 mg/kg bw/day		Rabbit		echa

### ethylbenzene

Route of exposure	Parameter	Result	Value	Time of exposure	Species	Sex	Source
Oral	NOAEL		75 mg/kg bw/day		Rat		echa
Inhalation	NOAEC		75 mg/kg bw/day		Rat		echa

### Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics

Route of exposure	Parameter	Result	Value	Time of exposure	Species	Sex	Source
Oral	NOAEL		1 000 - 5 000 mg/kg bw/day		Rat		ECHA
Inhalation	NOAEL		200 ppm		Rat		ECHA

# maleic anhydride

Route of exposure	Parameter	Result	Value	Time of exposure	Species	Sex	Source
Oral	NOAEL		10 mg/kg bw/day		Rat (Rattus norvegicus)		ECHA
Inhalation	NOAEC		3.3 mg/m <sup>3</sup> of air		Rat (Rattus norvegicus)		ECHA





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#### xylene

Route of exposure	Parameter	Result	Value	Time of exposure	Species	Sex	Source
Oral	NOAEL		150-250 mg/kg bw/day		Rat (Rattus norvegicus)		echa

### **Aspiration hazard**

May be fatal if swallowed and enters airways.

### 11.2. Information on other hazards

not available

### **SECTION 12: Ecological information**

### 12.1. Toxicity

### **Acute toxicity**

Harmful to aquatic life with long lasting effects.

### 2-butanone oxime

Parameter	Method	Value	Time of exposure	Species	Environme nt	Source
LC50		100 mg/l	96 hour	Fishes (Oncorhynchus mykiss)		echa
EC50		201 mg/l	48 hour	Aquatic invertebrates		echa
EC50		6.09-11.8 mg/l	72 hour	Algae and other aquatic plants		echa
EC50		281 mg/l	17 hour	Microorganisms (Photobacterium phosphoreum)		echa

### 2-methoxy-1-methylethyl acetate

Parameter	Method	Value	Time of exposure	Species	Environme nt	Source
LC50		134 mg/l	96 hour	Fishes (Oncorhynchus mykiss)		BL dodavatel e
EC50		408 mg/l	48 hour	Daphnia (Daphnia magna)		BL dodavatel e
EC50		500 mg/l	48 hour	Aquatic invertebrates		echa
ErC50	OECD 201	>1000 mg/l	96 hour	Algae (Selenastrum capricornutum)		BL dodavatel e
EC 10		1 g/l	30 min	Microorganisms (Photobacterium phosphoreum)		echa

# $\underline{3\hbox{-}[(4\hbox{-}chloro\hbox{-}2\hbox{-}nitrophenyl)azo]\hbox{-}2\hbox{-}methylpyrazolo} [5,1\hbox{-}b] quinazolin\hbox{-}9(1H)\hbox{-}one$

Parameter	Method	Value	Time of exposure	Species	Environme nt	Source
LC50	OECD 203	>100 mg/l	96 hour	Fishes (Branchydanio rerio)		BL dodavatel e
EC50	OECD 202	>100 mg/l	48 hour	Daphnia (Daphnia magna)		BL dodavatel e





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3-1(4-chioro-z-nitrobneny	<ol> <li>l)azol-2-methylpyrazolo[5,</li> </ol>	1-Didulnazolin-9(1H)-one

Parameter	Method	Value	Time of exposure	Species	Environme nt	Source
EC50	OECD 201	>100 mg/l	72 hour	Algae (Pseudokirchneriell a subcapitata)		BL dodavatel e
NOEC	OECD 209	1000 mg/l	30 min	Microorganisms (Aktivovaný kal)		BL dodavatel e

#### carbon black

Parameter	Method	Value	Time of exposure	Species	Environme nt	Source
EC50		5600 mg/l	24 hour	Crustaceans		výrobce

### diiron trioxide

Parameter	Method	Value	Time of exposure	Species	Environme nt	Source
LC50		>1000 mg/l	48 hour	Fishes (Leuciscus idus)		BL dodavatel e

### ethylbenzene

Parameter	Method	Value	Time of exposure	Species	Environme nt	Source
LC50		4.2-5.1 mg/l	96 hour	Fishes (Oncorhynchus mykiss)		echa
EC50		1.8-2.4 mg/l	48 hour	Aquatic invertebrates		echa
EC50		3.6-7.7 mg/l	96 hour	Algae and other aquatic plants		echa
EC50		96 mg/l	24 hour	Microorganisms (Photobacterium phosphoreum)		echa

### Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics

Parameter	Method	Value	Time of exposure	Species	Environme nt	Source
EL 50		1 g/l	72 hour	Algae and other aquatic plants		ECHA
EL 50		1 g/l	24 hour	Aquatic invertebrates		ECHA
LL 50		1 g/l	24 hour	Fishes (Oncorhynchus mykiss)		ECHA

# hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Parameter	Method	Value	Time of exposure	Species	Environme nt	Source
LD50		10 mg/l	4 day	Fishes (Oncorhynchus mykiss)		ECHA
LD50		10 mg/kg	48 hour	Aquatic invertebrates		ECHA
EC50		580 μg/l	4 day	Algae and other aquatic plants		ECHA





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maleic anhydride

Parameter	Method	Value	Time of exposure	Species	Environme nt	Source
LC50		75 mg/l	96 hour	Fishes (Oncorhynchus mykiss)		ECHA
EC50		42.81 mg/l	48 hour	Aquatic invertebrates		ECHA
EC50		74.35 mg/l	72 hour	Algae and other aquatic plants		ECHA
EC50		12.5 mg/l	15 min	Microorganisms (Photobacterium phosphoreum)		ECHA

### titanium dioxide

Parameter	Method	Value	Time of exposure	Species	Environme nt	Source
LC50		>100 mg/l	96 hour	Fishes (Oncorhynchus mykiss)	Freshwater	BL dodavatel e
LC50		>1000 mg/l	96 hour	Fishes (Pimephales promelas)	Freshwater	BL dodavatel e
LC50	OECD 202	>100 mg/l	48 hour	Daphnia (Daphnia magna)	Freshwater	BL dodavatel e

### xylene

Parameter	Method	Value	Time of exposure	Species	Environme nt	Source
LC50		13.5 mg/l	96 hour	Fishes (Oncorhynchus mykiss)		BL dodavatel e
EC50		7.4 mg/l	48 hour	Daphnia (Daphnia magna)		BL dodavatel e
EC50		2.2-4.36 mg/l	73 hour	Algae and other aquatic plants		echa
EC50		96 mg/l	24 hour	Microorganisms (Photobacterium phosphoreum)		echa

### **Chronic toxicity**

### 2-methoxy-1-methylethyl acetate

Parameter	Value	Time of exposure	Species	Environment	Source
LC50	63.5 mg/l	14 day	Fishes (Oncorhynchus mykiss)		echa

## Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics

Parameter	Value	Time of exposure	Species	Environment	Source
NOELR	230 μg/l	21 day	Aquatic invertebrates		ECHA
NOELR	131 µg/l	28 day	Fishes (Oncorhynchus mykiss)		ECHA





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hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Parameter	Value	Time of exposure	Species	Environment	Source
NOEL	130 µg/l	96 hour	Fishes (Oncorhynchus mykiss)		ECHA
EC50	328 μg/l	21 day	Aquatic invertebrates		ECHA

### 12.2. Persistence and degradability

not available

#### 12.3. Bioaccumulative potential

Not available.

#### 12.4. Mobility in soil

Not available.

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

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

### 12.6. Endocrine disrupting properties

not available

### 12.7. Other adverse effects

Not available.

# **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

### Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

### Waste type code

08 01 11 waste paint and varnish containing organic solvents or other hazardous substances  $^{st}$ 

08 01 13 sludges from paint or varnish containing organic solvents or other hazardous substances \*

20 01 27 paint, inks, adhesives and resins containing hazardous substances \*

### Packaging waste type code

15 01 10 packaging containing residues of or contaminated by hazardous substances \*

(\*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

### **SECTION 14: Transport information**

### 14.1. UN number or ID number

UN 1263

### 14.2. UN proper shipping name

PAINT

### 14.3. Transport hazard class(es)

3 Flammable liquids

### 14.4. Packing group

III - substances presenting low danger

#### 14.5. Environmental hazards

no

### 14.6. Special precautions for user

Reference in the Sections 4 to 8.

# 14.7. Maritime transport in bulk according to IMO instruments

not available





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#### **Additional information**

Hazard identification No.
UN number

Classification code Safety signs 30 1263

F1 3



### Road transport - ADR

Special provisions 163, 367, 650

Limited quantities 5 L Excepted quantities E1

**Packaging** 

Packing instructions P001, IBC03, LP01, R001

Special packing provisions PP1
Mixed packing provisions MP19

Portable tanks and bulk containers

Guidelines T2

Special provisions TP1, TP29

**ADR tank** 

Tank code LGBF
Vehicles for tank carriage FL
Transport category 3
Tunnel restriction code (D/E)

Special provision for

packages V12 operation S2

Railway transport - RID

Special provisions 163, 367, 650

Excepted quantities E1

**Packaging** 

Packing instructions P001, IBC03, LP01, R001

Special packing provisions PP1
Mixed packing provisions MP19

Portable tanks and bulk containers

Guidelines T2

Special provisions TP1, TP29

**RID Tanks** 

Tank code LGBF Transport category 0

Special provision for

packages W 12

Air transport - ICAO/IATA

Packaging instructions for limited amount Y344
Packaging instructions passenger 355
Cargo packaging instructions 366

Marine transport - IMDG

EmS (emergency plan) F-E, S-E MFAG 310



COLORLAK barvy, které vydrží

according to Regulation (EC) No 1907/2006 (REACH) as amended

# S1023 penetrating glazing with oil LUSONOL

Creation date 27th June 2017
Revision date 22nd March 2021 Version 3.0

### **SECTION 15: Regulatory information**

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

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16th December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006, as amended.

### Restrictions pursuant to Annex XVII of Regulation (EC) No. 1907/2006 (REACH), as amended

Doctriction	diisocyanate  Conditions of rectriction
Restriction	Conditions of restriction
74	1. Shall not be used as substances on their own, as a constituent in other substances or in mixture.
	for industrial and professional use(s) after 24 August 2023, unless:
	(a) the concentration of diisocyanates individually and in combination is less than 0,1 % by weight,
	or
	(b) the employer or self-employed ensures that industrial or professional user(s) have successfully
	completed training on the safe use of diisocyanates prior to the use of the substance(s) or mixture
	(s).
	2. Shall not be placed on the market as substances on their own, as a constituent in other
	substances or in mixtures for industrial and professional use(s) after 24 February 2022, unless:
	(a) the concentration of diisocyanates individually and in combination is less than 0,1 % by weight,
	or
	(b) the supplier ensures that the recipient of the substance(s) or mixture(s) is provided with
	information on the requirements referred to in point (b) of paragraph 1 and the following statemen
	is placed on the packaging, in a manner that is visibly distinct from the rest of the label information
	"As from 24 August 2023 adequate training is required before industrial or professional use".
	3. For the purpose of this entry "industrial and professional user(s)" means any worker or self-
	employed worker handling diisocyanates on their own, as a constituent in other substances or in
	mixtures for industrial and professional use(s) or supervising these tasks.
	4. The training referred to in point (b) of paragraph 1 shall include the instructions for the control of
	dermal and inhalation exposure to diisocyanates at the workplace without prejudice to any nationa
	occupational exposure limit value or other appropriate risk management measures at national leve
	Such training shall be conducted by an expert on occupational safety and health with competence
	acquired by relevant vocational training. That training shall cover as a minimum:
	(a) the training elements in point (a) of paragraph 5 for all industrial and professional use(s).
	(b) the training elements in points (a) and (b) of paragraph 5 for the following uses:
	— handling open mixtures at ambient temperature (including foam tunnels);
	— spraying in a ventilated booth;
	— application by roller;
	— application by brush;
	— application by dipping and pouring;
	— mechanical post treatment (e.g. cutting) of not fully cured articles which are not warm anymore
	— cleaning and waste;
	— any other uses with similar exposure through the dermal and/or inhalation route;
	(c) the training elements in points (a), (b) and (c) of paragraph 5 for the following uses:
	— handling incompletely cured articles (e.g. freshly cured, still warm);
	— foundry applications;
	maintenance and repair that needs access to equipment;
	— open handling of warm or hot formulations (> 45 °C);
	— open handling of warm of not formulations (> 45 °C),  — spraying in open air, with limited or only natural ventilation (includes large industry working hall
	and spraying with high energy (e.g. foams, elastomers);
	— and any other uses with similar exposure through the dermal and/or inhalation route.
	5. Training elements:
	(a) general training, including on-line training, on:
	— chemistry of diisocyanates;
	— toxicity hazards (including acute toxicity);
	— exposure to diisocyanates;
	— occupational exposure limit values;
	<ul><li>how sensitisation can develop;</li></ul>
	— odour as indication of hazard;
	<ul> <li>importance of volatility for risk;</li> </ul>



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# m-tolylidene diisocyanate

m-tolylidene o	diisocyanate
Restriction	Conditions of restriction
	<ul> <li>viscosity, temperature, and molecular weight of diisocyanates;</li> </ul>
	— personal hygiene;
	— personal protective equipment needed, including practical instructions for its correct use and its
	limitations;
	— risk of dermal contact and inhalation exposure;
	— risk in relation to application process used;
	— skin and inhalation protection scheme;
	<ul><li>ventilation;</li><li>cleaning, leakages, maintenance;</li></ul>
	— discarding empty packaging;
	— protection of bystanders;
	— identification of critical handling stages;
	— specific national code systems (if applicable);
	— behaviour-based safety;
	— certification or documented proof that training has been successfully completed
	(b) intermediate level training, including on-line training, on:
	— additional behaviour-based aspects;
	— maintenance;
	— management of change;
	— evaluation of existing safety instructions;
	— risk in relation to application process used;
	— certification or documented proof that training has been successfully completed
	(c) advanced training, including on-line training, on:
	— any additional certification needed for the specific uses covered;
	<ul> <li>spraying outside a spraying booth;</li> <li>open handling of hot or warm formulations (&gt; 45 °C);</li> </ul>
	— open handling of not of warm formulations (> 43 °C),  — certification or documented proof that training has been successfully completed
	6. The training shall comply with the provisions set by the Member State in which the industrial or
	professional user(s) operate. Member States may implement or continue to apply their own national
	requirements for the use of the substance(s) or mixture(s), as long as the minimum requirements
	set out in paragraphs 4 and 5 are met.
	7. The supplier referred to in point (b) of paragraph 2 shall ensure that the recipient is provided with
	training material and courses pursuant to paragraphs 4 and 5 in the official language(s) of the
	Member State(s) where the substance(s) or mixture(s) are supplied. The training shall take into
	consideration the specificity of the products supplied, including composition, packaging, and design.
	8. The employer or self-employed shall document the successful completion of the training referred
	to in paragraphs 4 and 5. The training shall be renewed at least every five years.
	9. Member States shall include in their reports pursuant to Article 117(1) the following information:
	(a) any established training requirements and other risk management measures related to the
	industrial and professional uses of diisocyanates foreseen in national law;
	(b) the number of cases of reported and recognised occupational asthma and occupational respiratory
	and dermal diseases in relation to diisocyanates;
	(c) national exposure limits for diisocyanates, if there are any; (d) information about enforcement activities related to this restriction.
	10. This restriction shall apply without prejudice to other Union legislation on the protection of safety
	and health of workers at the workplace.
	Tuna nearth of workers at the workplace.

### 15.2. Chemical safety assessment

not available

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

A list of standard risk	phrases used in	n the safety	/ data sheet
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H-	not classified as dangerous
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.





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	<u> </u>			
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H317	May cause an allergic skin reaction.			
H318	Causes serious eye damage.			
H319	Causes serious eye irritation.			
H330	Fatal if inhaled.			
H332	Harmful if inhaled.			
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.			
H335	May cause respiratory irritation.			
H336	May cause drowsiness or dizziness.			
H351	Suspected of causing cancer.			
H351	Suspected of causing cancer.			
H372	Causes damage to the central nervous system, the respiratory tract (inhalation) through prolonged or repeated exposure.			
H372	Causes damage to the respiratory tract (inhalation) through prolonged or repeated exposure.			
H373	May cause damage to the central nervous system, the respiratory tract (inhalation) through prolonged or repeated exposure.			
H373	May cause damage to hearing organs through prolonged or repeated exposure.			
H411	Toxic to aguatic life with long lasting effects.			
H412	Harmful to aquatic life with long lasting effects.			
Guidelines for	safe handling used in the safety data sheet			
P501	Dispose of contents/container to by handing over to a pe waste or a site designated by the town.	rson authorized to dispose of		
P102	Keep out of reach of children.			
P405	Store locked up.			
P101	If medical advice is needed, have product container or lal	bel at hand.		
P271	Use only outdoors or in a well-ventilated area.			
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.			
P403+P235	Store in a well-ventilated place. Keep cool.			
P370+P378	In case of fire: Use foam (alcohol resistant), carbon dioxi extinguish.	de, a spray mist, powder to		
P260	Do not breathe vapours/spray.			
P314	Get medical advice/attention if you feel unwell.			
P280	Wear protective gloves/protective clothing/eye protection/face protection.			
P103	Read label before use.			
A list of addition	onal standard phrases used in the safety data sheet			
EUH211	Warning! Hazardous respirable droplets may be formed w spray or mist.	hen sprayed. Do not breathe		
EUH204	Contains isocyanates. May produce an allergic reaction.			
EUH208	Contains 2-butanone oxime, maleic anhydride. May produ	uce an allergic reaction.		
EUH066	Repeated exposure may cause skin dryness or cracking.			
EUH071	Corrosive to the respiratory tract.			
	at information about human health protection			

# Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet				
ADR	European agreement concerning the international carriage of dangerous goods by road			
BCF	Bioconcentration Factor			
CAS	Chemical Abstracts Service			
CLP	Regulation (EC) No $1272/2008$ on classification, labelling and packaging of substance and mixtures			
DNEL	Derived no-effect level			
EC	Identification code for each substance listed in EINECS			
EC50	Concentration of a substance when it is affected 50% of the population			
EINECS	European Inventory of Existing Commercial Chemical Substances			
EmS	Emergency plan			
EU	European Union			





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**EuPCS** European Product Categorisation System IATA International Air Transport Association

**IBC** International Code For The Construction And Equipment of Ships Carrying Dangerous

Chemicals

IC50 Concentration causing 50% blockade ICAOInternational Civil Aviation Organization IMDG International Maritime Dangerous Goods

INCI International Nomenclature of Cosmetic Ingredients International Organization for Standardization ISO **IUPAC** International Union of Pure and Applied Chemistry

LC50 Lethal concentration of a substance in which it can be expected death of 50% of the

population

LD50 Lethal dose of a substance in which it can be expected death of 50% of the population

LOAEC Lowest observed adverse effect concentration

LOAEL Lowest observed adverse effect level log Kow Octanol-water partition coefficient

MARPOL International Convention for the Prevention of Pollution From Ships

NOAFC No observed adverse effect concentration

NOAFI No observed adverse effect level NOFC No observed effect concentration

No observed effect level NOFI OFL Occupational Exposure Limits Persistent, Bioaccumulative and Toxic PBT **PNEC** Predicted no-effect concentration

ppm Parts per million

**REACH** Registration, Evaluation, Authorisation and Restriction of Chemicals

**RID** Agreement on the transport of dangerous goods by rail

UN Four-figure identification number of the substance or article taken from the UN Model

Regulations

**UVCB** Substances of unknown or variable composition, complex reaction products or biological

materials

VOC Volatile organic compounds

vPvB Very Persistent and very Bioaccumulative

Acute Tox. Acute toxicity

Hazardous to the aquatic environment (chronic) Aquatic Chronic

Asp. Tox. Aspiration hazard Carc. Carcinogenicity Eye Dam. Serious eye damage Eye Irrit. Eye irritation Flam. Lia. Flammable liquid Resp. Sens. Respiratory sensitization

Skin Corr. Skin corrosion Skin Irrit. Skin irritation Skin Sens. Skin sensitization

STOT RE Specific target organ toxicity - repeated exposure STOT SE Specific target organ toxicity - single exposure

Without classification Without classification

### Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

### Recommended restrictions of use

not available

# Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.



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### The changes (which information has been added, deleted or modified)

The version 3.0 replaces the SDS version from 20.11.2019. Changes were made in sections 1, 2, 3, 7, 9, 11, 12, 13, 15 and 16.

### More information

Classification procedure - calculation method.

#### **Statement**

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.