

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation

# 026201 - ANTIGOTERAS ACRILICO Rojo

# SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**1.1 Product identifier:** 026201 - ANTIGOTERAS ACRILICO Rojo

Other means of identification:

Non-applicable

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

Relevant uses: Waterproofing agents for terraces and facades

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

Productos JAFEP, S.L. Carretera de Barrax, s/n 02630 La Roda - Albacete

02630 La Roda - Albacete - Spain

Phone: +34 967 44 05 96 - Fax: +34 967 44 26 12

jafep@jafep.com www.jafep.com

**1.4 Emergency telephone number:** +34 967 44 05 96 (9:00 - 14:00 ; 16:00-20:00 )

# SECTION 2: HAZARDS IDENTIFICATION \*\*

The product has been classified in accordance with the information contained in the suppliers' SDS and the additional information from tests carried out by said suppliers

# 2.1 Classification of the substance or mixture:

# CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412

## 2.2 Label elements:

# CLP Regulation (EC) No 1272/2008:

# **Hazard statements:**

Harmful to aquatic life with long lasting effects.

#### **Precautionary statements:**

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

Keep out of reach of children.

Avoid release to the environment.

Dispose of contents/container according to the separated collection system used in your municipality.

#### **Supplementary information:**

Contains 1,2-benzisothiazol-3(2H)-one, octhilinone (ISO), reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

#### 2.3 Other hazards:

Product fails to meet PBT/vPvB criteria

Endocrine-disrupting properties: The product fails to meet the criteria.

# SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS \*\*

#### 3.1 Substance:

Non-applicable

# 3.2 Mixture:

Chemical description: Miscellaneous products

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

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# SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS \*\* (continued)

	Identification		Chemical name/Classification	Concentration		
CAS:	330-54-1	diuron (ISO)(1)	diuron (ISO) <sup>(1)</sup> ATP ATP01			
EC: 206-354-4 Index: 006-015-00-9 REACH: 01-2119517622-45- XXXX		Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Carc. 2: H351; STOT RE 2: H373 - Warning	<0,09 %		
CAS:	26530-20-1	octhilinone (ISO)(1)	ATP ATP1	5		
	247-761-7 613-112-00-5 01-2120768921-45- XXXX	Regulation 1272/2008	Acute Tox. 2: H330; Acute Tox. 3: H301+H311; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Corr. 1: H314; Skin Sens. 1A: H317; EUH071 - Danger	<0,09 %		
CAS:	111-76-2	2-butoxyethanol(2)	ATP ATP1!	5		
Index: 603-01	203-905-0 603-014-00-0 01-2119475108-36- XXXX	Regulation 1272/2008	Acute Tox. 4: H302+H332; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	<0,09 %		
CAS:	2634-33-5	1,2-benzisothiazol-3(2H)-one <sup>(1)</sup> ATP CLP00				
	220-120-9 613-088-00-6 01-2120761540-60- XXXX		Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Danger	<0,09 %		
CAS: EC:	55965-84-9 Non-applicable	reaction mass of 5-c one (3:1) <sup>(1)</sup>	hloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3- ATP ATP1	3		
Index: REACH:	613-167-00-5 Non-applicable	Regulation 1272/2008	Acute Tox. 2: H310+H330; Acute Tox. 3: H301; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Corr. 1C: H314; Skin Sens. 1A: H317; EUH071 - Danger	<0,09 %		
CAS:	50-00-0 200-001-8	Formaldehyde (2)	ATP ATPO	5		
	605-001-8 605-001-00-5 01-2119488953-20- XXXX	Regulation 1272/2008	Acute Tox. 3: H301+H311+H331; Carc. 1B: H350; Muta. 2: H341; Skin Corr. 1B: H314; Skin Sens. 1: H317 - Danger	<0,09 %		
CAS: EC:	55965-84-9 Non-applicable	reaction mass of 5-c one (3:1) <sup>(1)</sup>	hloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3- ATP ATP1:			
Index: REACH:	613-167-00-5 Non-applicable	Regulation 1272/2008	Acute Tox. 2: H310+H330; Acute Tox. 3: H301; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Corr. 1C: H314; Skin Sens. 1A: H317; EUH071 - Danger	<0,09 %		

<sup>(1)</sup> Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878 (2) Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

# Other information:

	Identification		M-factor	
diuron (ISO)		Acute	10	
CAS: 330-54-1	EC: 206-354-4	Chronic	10	
octhilinone (ISO)		Acute	100	
CAS: 26530-20-1	EC: 247-761-7	Chronic	100	
reaction mass of 5-ch	nloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	Acute	100	
CAS: 55965-84-9	EC: Non-applicable	Chronic	100	
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)			100	
CAS: 55965-84-9	EC: Non-applicable	Chronic	100	

Identification	Specific concentration limit
octhilinone (ISO) CAS: 26530-20-1 EC: 247-761-7	% (w/w) >=0,0015: Skin Sens. 1A - H317
1,2-benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9	% (w/w) >=0,05: Skin Sens. 1 - H317
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: Non-applicable	% (w/w) >=0,6: Skin Corr. 1C - H314 0,06<= % (w/w) <0,6: Skin Irrit. 2 - H315 % (w/w) >=0,6: Eye Dam. 1 - H318 0,06<= % (w/w) <0,6: Eye Irrit. 2 - H319 % (w/w) >=0,0015: Skin Sens. 1A - H317
Formaldehyde CAS: 50-00-0 EC: 200-001-8	% (w/w) >=25: Skin Corr. 1B - H314 5<= % (w/w) <25: Skin Irrit. 2 - H315 % (w/w) >=25: Eye Dam. 1 - H318 5<= % (w/w) <25: Eye Irrit. 2 - H319 % (w/w) >=0,2: Skin Sens. 1 - H317 % (w/w) >=5: STOT SE 3 - H335

<sup>\*\*</sup> Changes with regards to the previous version

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# SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS \*\* (continued)

Identification	Specific concentration limit
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EG: Nea papilicable	% (w/w) >=0,6: Skin Corr. 1C - H314 0,06<= % (w/w) <0,6: Skin Irrit. 2 - H315 % (w/w) >=0,6: Eye Dam. 1 - H318
EC: Non-applicable	0,06<= % (w/w) <0,6: Eye Irrit. 2 - H319 % (w/w) >=0.0015: Skin Sens. 1A - H317

CAS: 26530-20-1 (2-octyl-2H-isothiazol-3-one), the total content is indicated, free / total percentage10%;

CAS: 330-54-1 (diuron), the total content is indicated, percentage free / total 10%.

Classification calculation based on supplier testing information:

Only the content of free OIT is toxicologically relevant and must be taken into account for the classification of the preparation in relation to danger for the environment, irritation to skin and eyes, sensitization.

Only the content of free Diuron is toxicologically relevant and must be taken into account for the classification of the preparation in relation to the danger for the environment.

#### **SECTION 4: FIRST AID MEASURES**

#### 4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

#### By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

#### By skin contact:

This product is not classified as hazardous when in contact with the skin. However, in case of skin contact it is recommended to remove contaminated clothes and shoes, rinse the skin or if necessary shower the affected person thoroughly with cold water and neutral soap. In case of serious reaction consult a doctor.

#### By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

# By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

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

Acute and delayed effects are indicated in sections 2 and 11.

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

Non-applicable

# **SECTION 5: FIREFIGHTING MEASURES**

#### 5.1 Extinguishing media:

## Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

#### Unsuitable extinguishing media:

Non-applicable

# 5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

# 5.3 Advice for firefighters:

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# SECTION 5: FIREFIGHTING MEASURES (continued)

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

#### **Additional provisions:**

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

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

# For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

#### For emergency responders:

See section 8.

#### 6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

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

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

# 6.4 Reference to other sections:

See sections 8 and 13.

# **SECTION 7: HANDLING AND STORAGE**

# 7.1 Precautions for safe handling:

A.- Precautions for safe manipulation

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations to prevent ergonomic and toxicological risks

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

 $\ensuremath{\text{D.-}}$  Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

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

A.- Technical measures for storage

Minimum Temp.: 5 °C Maximum Temp.: 30 °C

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

## 7.3 Specific end use(s):

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# SECTION 7: HANDLING AND STORAGE (continued)

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

# SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

# 8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC, Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

	Identification	Occ	Occupational exposure limits			
2-butoxyethanol		IOELV (8h)	20 ppm	98 mg/m <sup>3</sup>		
CAS: 111-76-2	EC: 203-905-0	IOELV (STEL)	50 ppm	246 mg/m <sup>3</sup>		
Formaldehyde		IOELV (8h)	0,3 ppm	0,37 mg/m <sup>3</sup>		
CAS: 50-00-0	EC: 200-001-8	IOELV (STEL)	0,6 ppm	0,74 mg/m <sup>3</sup>		

# **DNEL (Workers):**

			Short e	exposure	Long e	xposure
Identification			Systemic	Local	Systemic	Local
diuron (ISO)		Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 330-54-1		Dermal	Non-applicable	Non-applicable	5,79 mg/kg	Non-applicable
EC: 206-354-4		Inhalation	Non-applicable	Non-applicable	0,17 mg/m <sup>3</sup>	Non-applicable
2-butoxyethanol		Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 111-76-2		Dermal	89 mg/kg	Non-applicable	125 mg/kg	Non-applicable
EC: 203-905-0		Inhalation	1091 mg/m <sup>3</sup>	246 mg/m <sup>3</sup>	98 mg/m <sup>3</sup>	Non-applicable
1,2-benzisothiazol-3(2H)-one		Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 2634-33-5		Dermal	Non-applicable	Non-applicable	0,966 mg/kg	Non-applicable
EC: 220-120-9		Inhalation	Non-applicable	Non-applicable	6,81 mg/m <sup>3</sup>	Non-applicable
Formaldehyde		Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 50-00-0		Dermal	Non-applicable	Non-applicable	240 mg/kg	Non-applicable
EC: 200-001-8		Inhalation	Non-applicable n	0,75 mg/m <sup>3</sup>	9 mg/m³	0,375 mg/m <sup>3</sup>

# **DNEL (General population):**

		Short exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local
2-butoxyethanol	Oral	Non-applicable	Non-applicable	6,3 mg/kg	Non-applicable
CAS: 111-76-2	Dermal	89 mg/kg	Non-applicable	75 mg/kg	Non-applicable
EC: 203-905-0	Inhalation	426 mg/m³	147 mg/m <sup>3</sup>	59 mg/m <sup>3</sup>	Non-applicable
1,2-benzisothiazol-3(2H)-one	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 2634-33-5	Dermal	Non-applicable	Non-applicable	0,345 mg/kg	Non-applicable
EC: 220-120-9	Inhalation	Non-applicable	Non-applicable	1,2 mg/m <sup>3</sup>	Non-applicable
Formaldehyde	Oral	Non-applicable	Non-applicable	4,1 mg/kg	Non-applicable
CAS: 50-00-0	Dermal	Non-applicable	Non-applicable	102 mg/kg	Non-applicable
EC: 200-001-8	Inhalation	Non-applicable	Non-applicable	3,2 mg/m <sup>3</sup>	0,1 mg/m <sup>3</sup>

# PNEC:

Identification				
diuron (ISO)	STP	58 mg/L	Fresh water	0,00032 mg/L
CAS: 330-54-1	Soil	0,012 mg/kg	Marine water	0,000032 mg/L
EC: 206-354-4	Intermittent	0,00022 mg/L	Sediment (Fresh water)	0,052 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,005 mg/kg
octhilinone (ISO)	STP	Non-applicable	Fresh water	0,0022 mg/L
CAS: 26530-20-1	Soil	0,0082 mg/kg	Marine water	0,00022 mg/L
EC: 247-761-7	Intermittent	0,00122 mg/L	Sediment (Fresh water)	0,0475 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00475 mg/kg

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# SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
2-butoxyethanol	STP	463 mg/L	Fresh water	8,8 mg/L
CAS: 111-76-2	Soil	2,33 mg/kg	Marine water	0,88 mg/L
EC: 203-905-0	Intermittent	26,4 mg/L	Sediment (Fresh water)	34,6 mg/kg
	Oral	0,02 g/kg	Sediment (Marine water)	3,46 mg/kg
1,2-benzisothiazol-3(2H)-one	STP	1,03 mg/L	Fresh water	0,00403 mg/L
CAS: 2634-33-5	Soil	3 mg/kg	Marine water	0,000403 mg/L
EC: 220-120-9	Intermittent	0,0011 mg/L	Sediment (Fresh water)	0,0499 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00499 mg/kg
Formaldehyde	STP	0,19 mg/L	Fresh water	0,44 mg/L
CAS: 50-00-0	Soil	0,2 mg/kg	Marine water	0,44 mg/L
EC: 200-001-8	Intermittent	4,44 mg/L	Sediment (Fresh water)	2,3 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	2,3 mg/kg

#### 8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory hand protection	Chemical protective gloves (Material: Linear low-density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm)	CATIII	EN 420:2004+A1:2010	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

# D.- Ocular and facial protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory face protection	Panoramic glasses against splash/projections.	CATII	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

# E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CATI		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CATII	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

# F.- Additional emergency measures

Emergeno	y measure	Standards	Emergency measure	Standards
	+	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	<b>*</b> T	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011
Emergen	cy shower		Eyewash stations	

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# SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

#### **Environmental exposure controls:**

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

#### Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply): 0,06 % weight
V.O.C. density at 20 °C: 0,9 kg/m³ (0,9 g/L)

Average carbon number: 4,61

Average molecular weight: 118,62 g/mol

With regard to Directive 2004/42/EC, this product which is ready to use has the following characteristics:

Liquid

V.O.C. density at 20 °C: 0,9 kg/m³ (0,9 g/L)

EU limit for the product (Cat. A.C): 40 g/L (2010)

Components: Non-applicable

# SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

# 9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

**Appearance:** 

Physical state at 20 °C:

Appearance:

Colour:

Red

Odour:

Characteristic

Odour threshold: Non-applicable \*

Volatility:

Boiling point at atmospheric pressure: Experts 102 °C coration

Vapour pressure at 20 °C: 2357 Pa

Vapour pressure at 50 °C: 12383,85 Pa (12,38 kPa)

Evaporation rate at 20 °C: Non-applicable \*

**Product description:** 

Density at 20 °C:  $\approx 1413 \text{ kg/m}^3$  Relative density at 20 °C:  $\approx 1,413$ 

Dynamic viscosity at 20 °C:

Kinematic viscosity at 20 °C:

Kinematic viscosity at 40 °C:

Concentration:

Non-applicable \*

>20,5 mm²/s

Non-applicable \*

pH: 8 - 10

Vapour density at 20 °C:

Partition coefficient n-octanol/water 20 °C:

Solubility in water at 20 °C:

Non-applicable \*

Solubility properties:

Water-soluble

Decomposition temperature:

Melting point/freezing point:

Non-applicable \*

Flammability:

Flash Point: Non Flammable (>60 °C)
\*Not relevant due to the nature of the product, not providing information property of its hazards.

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# SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flammability (solid, gas): Non-applicable \*

Autoignition temperature: 238 °C

Lower flammability limit: Non-applicable \* Upper flammability limit: Non-applicable \*

**Particle characteristics:** 

Median equivalent diameter: Non-applicable

9.2 Other information:

#### Information with regard to physical hazard classes:

Explosive properties:

Oxidising properties:

Non-applicable \*

Corrosive to metals:

Heat of combustion:

Aerosols-total percentage (by mass) of flammable components:

Non-applicable \*

Non-applicable \*

Other safety characteristics:

Surface tension at 20 °C:

Refraction index:

Non-applicable \*

Non-applicable \*

#### SECTION 10: STABILITY AND REACTIVITY

#### 10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

#### 10.2 Chemical stability:

Chemically stable under the conditions of storage, handling and use.

# 10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

# 10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

# 10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

# 10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO2), carbon monoxide and other organic compounds.

# SECTION 11: TOXICOLOGICAL INFORMATION \*\*

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

The experimental information related to the toxicological properties of the product itself is not available

Contains glycols. It is recommended not to breathe the vapours for prolonged periods of time due to the possibility of effects that are hazardous to the health .

**Dangerous health implications:** 

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<sup>\*</sup>Not relevant due to the nature of the product, not providing information property of its hazards.

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# SECTION 11: TOXICOLOGICAL INFORMATION \*\* (continued)

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

- A- Ingestion (acute effect):
  - Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
  - Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous for this effect. For more information see section 3.
- B- Inhalation (acute effect):
  - Acute toxicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous for inhalation. For more information see section 3.
  - Corrosivity/Irritability: Prolonged inhalation of the product is corrosive to mucous membranes and the upper respiratory tract
- C- Contact with the skin and the eyes (acute effect):
  - Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous for skin contact. For more information see section 3.
  - Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous for this effect. For more information see section 3.
- D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):
  - Carcinogenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with carcinogenic effects. For more information see section 3.
  - IARC: Distillates (petroleum), hydrotreated light paraffinic (3); Distillates (petroleum), hydrotreated light naphthenic (3); 2-butoxyethanol (3); Diiron trioxide (3); Talc (3); Formaldehyde (1)
  - Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
  - Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- E- Sensitizing effects:
  - Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensitising effects. For more information see section 3.
  - Cutaneous: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.
- F- Specific target organ toxicity (STOT) single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

- G- Specific target organ toxicity (STOT)-repeated exposure:
  - Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances which are classified as dangerous due to repetitive exposure. For more information see section 3.
  - Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

#### Other information:

Not skin sensitizing based on the results of similar mixtures tested in accordance with the bridging principles described in Article 9 (4) of the CLP Regulation; OECD 429 LLNA (mouse): not skin sensitiser- S4565; S4568

# Specific toxicology information on the substances:

Identification	Acu	Genus	
diuron (ISO)	LD50 oral	1017 mg/kg	Rat
CAS: 330-54-1	LD50 dermal	Non-applicable	
EC: 206-354-4	LC50 inhalation	Non-applicable	

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# SECTION 11: TOXICOLOGICAL INFORMATION \*\* (continued)

Identification	A	Genus	
octhilinone (ISO)	LD50 oral	125 mg/kg	
CAS: 26530-20-1	LD50 dermal	311 mg/kg	
EC: 247-761-7	LC50 inhalation	Non-applicable	
2-butoxyethanol	LD50 oral	1200 mg/kg	Rat
CAS: 111-76-2	LD50 dermal	3000 mg/kg	Rabbit
EC: 203-905-0	LC50 inhalation	Non-applicable	
1,2-benzisothiazol-3(2H)-one	LD50 oral	500 mg/kg	Rat
CAS: 2634-33-5	LD50 dermal	Non-applicable	
EC: 220-120-9	LC50 inhalation	Non-applicable	
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	LD50 oral	64 mg/kg	Rat
CAS: 55965-84-9	LD50 dermal	87,12 mg/kg	Rabbit
EC: Non-applicable	LC50 inhalation	0,33 mg/L (4 h)	Rat
Formaldehyde	LD50 oral	>5000 mg/kg	Rat
CAS: 50-00-0	LD50 dermal	>5000 mg/kg	Rabbit
EC: 200-001-8	LC50 inhalation	1,1 mg/L (4 h)	Rat
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	LD50 oral	64 mg/kg	Rat
CAS: 55965-84-9	LD50 dermal	87,12 mg/kg	Rabbit
EC: Non-applicable	LC50 inhalation	0,33 mg/L (4 h)	Rat

# 11.2 Information on other hazards:

#### **Endocrine disrupting properties**

Endocrine-disrupting properties: The product fails to meet the criteria.

# Other information

Non-applicable

# SECTION 12: ECOLOGICAL INFORMATION \*\*

The experimental information related to the eco-toxicological properties of the product itself is not available

#### 12.1 Toxicity:

Acute toxicity:

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Identification		Concentration	Species	Genus
diuron (ISO)	LC50	6,6 mg/L (96 h)	Leuciscus idus	Fish
CAS: 330-54-1	EC50	1,4 mg/L (48 h)	Daphnia magna	Crustacea
EC: 206-354-4	EC50	0,022 mg/L (96 h)	Scenedesmus subspicatus	Algae
octhilinone (ISO)	LC50	0,036 mg/L (96 h)	Oncorhynchus mykiss	Fish
CAS: 26530-20-1	EC50	0,42 mg/L (48 h)	Daphnia magna	Crustace
EC: 247-761-7	EC50	0,084 mg/L (72 h)	Desmodesmus subspicatus	Algae
2-butoxyethanol	LC50	1490 mg/L (96 h)	Lepomis macrochirus	Fish
CAS: 111-76-2	EC50	1815 mg/L (48 h)	Daphnia magna	Crustacea
EC: 203-905-0	EC50	911 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
1,2-benzisothiazol-3(2H)-one	LC50	>0.1 - 1 (96 h)		Fish
CAS: 2634-33-5	EC50	>0.1 - 1 (48 h)		Crustacea
EC: 220-120-9	EC50	>0.1 - 1 (72 h)		Algae
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	LC50	>0.1 - 1 (96 h)		Fish
CAS: 55965-84-9	EC50	>0.1 - 1 (48 h)		Crustace
EC: Non-applicable	EC50	>0.1 - 1 (72 h)		Algae
Formaldehyde	LC50	100 mg/L (96 h)	Lepomis macrochirus	Fish
CAS: 50-00-0	EC50	42 mg/L (24 h)	Daphnia magna	Crustace
EC: 200-001-8	EC50	Non-applicable		
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	LC50	0,28 mg/L (96 h)	Lepomis macrochirus	Fish
CAS: 55965-84-9	EC50	0,16 mg/L (48 h)	Daphnia magna	Crustacea
EC: Non-applicable	EC50	0,018 mg/L (72 h)	Selenastrum capricornutum	Algae
Chronic toxicity:				
Identification		Concentration	Species	Genus
diuron (ISO)	NOEC	0,001 mg/L	Danio rerio	Fish
CAS: 330-54-1 EC: 206-354-4	NOEC	0,56 mg/L	Daphnia magna	Crustace
2-butoxyethanol	NOEC	100 mg/L	Danio rerio	Fish
CAS: 111-76-2 EC: 203-905-0	NOEC	100 mg/L	Daphnia magna	Crustacea
Formaldehyde	NOEC	Non-applicable		
CAS: 50-00-0 EC: 200-001-8	NOEC	6,4 mg/L	Daphnia magna	Crustacea

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			1.1.00				
	Identification	Degradability Biodegradability Biodegradability					
	diuron (ISO)	BOD5	Non-applicable		centration		100 mg/L
	CAS: 330-54-1	COD	Non-applicable	Perio			28 days
	EC: 206-354-4	BOD5/COD	Non-applicable		odegradable		0 %
	2-butoxyethanol	BOD5	0,71 g O2/g	Conc	entration		100 mg/L
	CAS: 111-76-2	COD	2,2 g O2/g	_	eriod		14 days
	EC: 203-905-0	BOD5/COD	0,32	% Bi	odegradable		96 %
	1,2-benzisothiazol-3(2H)-one	BOD5	Non-applicable	Conc	centration		100 mg/L
	CAS: 2634-33-5	COD	Non-applicable	Perio	od		28 days
	EC: 220-120-9	BOD5/COD	Non-applicable	% Bi	odegradable		0 %
	Formaldehyde	BOD5	Non-applicable	Conc	entration		100 mg/L
	CAS: 50-00-0	COD	Non-applicable	Perio	od		14 days
	EC: 200-001-8	BOD5/COD	Non-applicable	% Bi	odegradable		92 %
3	Bioaccumulative potential:						
	·						
		Identification Bioaccumulation p				n potentiai	
	diuron (ISO)			BC		64	
	CAS: 330-54-1				w Log	2.68	
	EC: 206-354-4				otential	Moder	ate
	2-butoxyethanol			ВС		3	
	CAS: 111-76-2				w Log	0.83	
	EC: 203-905-0				tential	Low	
	1,2-benzisothiazol-3(2H)-one			BC	F	2	
	CAS: 2634-33-5			Po	w Log	1.45	
	EC: 220-120-9	2	intunas.	Po	tential	Low	
	Formaldehyde			BC	CF .	3	
	CAS: 50-00-0			Po	w Log	0.35	
	EC: 200-001-8			Po	tential	Low	
	Mobility in soil:						
1	Mobility III Soli.					Volat	ility
4	-	Δhs	orntion/desorntion				
4	Identification		orption/desorption		Henry		
4	Identification 2-butoxyethanol	Кос	8		Henry		1,621E-1 Pa·m³/mo
4	Identification  2-butoxyethanol CAS: 111-76-2	Koc Conclusion	8 Very High	0E 0C)	Dry soil		1,621E-1 Pa·m³/mol No
4	Identification  2-butoxyethanol  CAS: 111-76-2  EC: 203-905-0	Koc Conclusion Surface tension	8 Very High 2,729E-2 N/m (2	25 °C)	Dry soil Moist soil		1,621E-1 Pa·m³/mol No Yes
4	Identification  2-butoxyethanol CAS: 111-76-2	Koc Conclusion	8 Very High	25 °C)	Dry soil		1,621E-1 Pa·m³/mol No

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# SECTION 12: ECOLOGICAL INFORMATION \*\* (continued)

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

Product fails to meet PBT/vPvB criteria

# 12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

# 12.7 Other adverse effects:

Not described



# **SECTION 13: DISPOSAL CONSIDERATIONS**

# 13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances	Dangerous

# Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

# Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommended disposal down the drain. See paragraph 6.2.

# Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

# **SECTION 14: TRANSPORT INFORMATION**

This product is not regulated for transport (ADR/RID,IMDG,IATA)

# **SECTION 15: REGULATORY INFORMATION**

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

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# SECTION 15: REGULATORY INFORMATION (continued)

Regulation (EC) No 528/2012: contains a preservative to protect the initial properties of the treated article. Contains bronopol (INN), reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), Tetrahydro-1,3,4,6-tetrakis(hydroxymethyl)imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, 1,2-benzisothiazol-3(2H)-one, (ethylenedioxy)dimethanol, reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), diuron (ISO), octhilinone (ISO), 2-methylisothiazol-3(2H)-one, 1,2-benzisothiazol-3(2H)-one.

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: diuron (ISO) (Product-type 7, 10); octhilinone (ISO) (Product-type 6, 7, 8, 9, 10, 11, 13); 1,2-benzisothiazol-3(2H)-one (Product-type 2, 6, 9, 11, 12, 13); reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (Product-type 2, 4, 6, 11, 12, 13); Formaldehyde (Product-type 2, 3, 22); reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (Product-type 2, 4, 6, 11, 12, 13)

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

#### Seveso III:

Non-applicable

# Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:

- —ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- -tricks and jokes,
- —games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

#### Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

#### Other legislation:

The product could be affected by sectorial legislation

## 15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

# SECTION 16: OTHER INFORMATION \*\*

#### Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

#### Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

COMMISSION REGULATION (EU) 2020/878

COMPOSITION/INFORMATION ON INGREDIENTS (SECTION 3, SECTION 11, SECTION 12):

· New declared substances

2-butoxyethanol (111-76-2) Formaldehyde (50-00-0)

diuron (ISO) (330-54-1)

octhilinone (ISO) (26530-20-1)

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)

CLP Regulation (EC) No 1272/2008 (SECTION 2, SECTION 16):

- · Hazard statements
- · Precautionary statements

#### Texts of the legislative phrases mentioned in section 2:

H412: Harmful to aquatic life with long lasting effects.

### Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

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# SECTION 16: OTHER INFORMATION \*\* (continued)

Acute Tox. 2: H310+H330 - Fatal in contact with skin or if inhaled.

Acute Tox. 2: H330 - Fatal if inhaled. Acute Tox. 3: H301 - Toxic if swallowed.

Acute Tox. 3: H301+H311 - Toxic if swallowed or in contact with skin.

Acute Tox. 3: H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled.

Acute Tox. 4: H302 - Harmful if swallowed.

Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.

Aguatic Acute 1: H400 - Very toxic to aquatic life.

Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.

Carc. 1B: H350 - May cause cancer.

Carc. 2: H351 - Suspected of causing cancer. Eye Dam. 1: H318 - Causes serious eye damage. Eye Irrit. 2: H319 - Causes serious eye irritation. Muta. 2: H341 - Suspected of causing genetic defects.

Skin Corr. 1: H314 - Causes severe skin burns and eye damage. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Skin Corr. 1C: H314 - Causes severe skin burns and eye damage.

Skin Irrit. 2: H315 - Causes skin irritation.

Skin Sens. 1: H317 - May cause an allergic skin reaction. Skin Sens. 1A: H317 - May cause an allergic skin reaction.

STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure.

#### Advice related to training:

Minimal training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

#### Principal bibliographical sources:

http://echa.europa.eu http://eur-lex.europa.eu

#### **Abbreviations and acronyms:**

ADR: European agreement concerning the international carriage of dangerous goods by road

IMDG: International maritime dangerous goods code

IATA: International Air Transport Association ICAO: International Civil Aviation Organisation

COD: Chemical Oxygen Demand

BOD5: 5day biochemical oxygen demand

BCF: Bioconcentration factor LD50: Lethal Dose 50

LC50: Lethal Concentration 50 EC50: Effective concentration 50

LogPOW: Octanolwater partition coefficient Koc: Partition coefficient of organic carbon

UFI: unique formula identifier

IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

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