

# SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)

## MAXISOL-3

Version 1 Date of compilation: 5/10/2018

Version 16 (replaces version 15)

Revision date: 19/04/2023

Page 1 of 14

Print date: 19/04/2023

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

#### 1.1 Product identifier.

Product Name: MAXISOL-3

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

Metalworking fluid

#### Uses advised against:

Uses other than those recommended.

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

Company: **OLIPES SL**  
Address: C/ ALUMINIO, 2-3 (Parque Empresarial Borondo)  
City: Campo Real - 28510  
Province: Madrid (Spain)  
Telephone: +0034918765244  
Fax: +0034918733886  
E-mail: calidad@olipes.com  
Web: www.olipes.com

#### 1.4 Emergency telephone number: (Only available during office hours; Monday-Friday; 08:00-18:00)

Servicio de Información Toxicológica (Instituto Nacional de Toxicología y Ciencias Forenses) Teléfono: +34 91 5620420.

Información en español (24h/365 días). Únicamente con la finalidad de proporcionar respuesta sanitaria en caso de urgencia.

### SECTION 2: HAZARDS IDENTIFICATION.

#### 2.1 Classification of the substance or mixture.

In accordance with Regulation (EC) No 1272/2008:

Eye Irrit. 2 : Causes serious eye irritation.

Skin Irrit. 2 : Causes skin irritation.

Skin Sens. 1 : May cause an allergic skin reaction.

#### 2.2 Label elements.

##### Labelling in accordance with Regulation (EC) No 1272/2008:

Pictograms:



Signal Word:

#### **Warning**

Hazard statements:

H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.

Precautionary statements:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...  
P321 Specific treatment (if possible visit your doctor with the safety data sheet for this product).  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P337+P313 If eye irritation persists: Get medical advice/attention.

# SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)



## MAXISOL-3

Version 1 Date of compilation: 5/10/2018

Version 16 (replaces version 15)

Revision date: 19/04/2023

Page 2 of 14

Print date: 19/04/2023

P362+P364 Take off contaminated clothing and wash it before reuse.  
P501 Dispose of contents/container in accordance with the legislation in force.

Contains:

1,2-benzisothiazol-3(2H)-one,1,2-benzisothiazolin-3-one  
2,2',2''-(hexahydro-1,3,5triazine-1,3,5triylo)triethanol,1,3,5-tris(2-hydroxyethyl) hexahydro-1,3,5-triazine  
rosin, colophony

### 2.3 Other hazards.

The mixture does not contain substances classified as PBT.  
The mixture does not contain substances classified as vPvB.  
The mixture does not contain any endocrine disrupting properties substances.

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.

### 3.1 Substances.

Not Applicable.

Distillates (petroleum), hydrotreated heavy naphthenic

### 3.2 Mixtures.

Substances posing a danger to health or the environment in accordance with the Regulation (EC) No. 1272/2008, assigned a Community exposure limit in the workplace, and classified as PBT/vPvB or included in the Candidate List:

Identifiers	Name	Concentrate	(*)Classification - Regulation (EC) No 1272/2008	
			Classification	Specifics concentration limits and Acute toxicity estimate
Index No: 649-455-00-2 CAS No: 64741-89-5 EC No: 265-091-3 Registration No: 01-2119487067-30-XXXX	distillates (petroleum), solvent-refined light paraffinic, Baseoil — unspecified, [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 oF (19cSt at 40 oC).]	10 - 49.99 %	Asp. Tox. 1, H304	-
Index No: 649-465-00-7 CAS No: 64742-52-5 EC No: 265-155-0 Registration No: 01-2119467170-45-XXXX	[2] distillates (petroleum), hydrotreated heavy naphthenic, Baseoil — unspecified, [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100oF (19cSt at 40 oC). It contains relatively few normal paraffins.]	10 - 24.99 %	-	-
Index No: 649-422-00-2 CAS No: 64742-47-8 EC No: 265-149-8 Registration No: 01-2119484819-18-XXXX	[2] distillates (petroleum), hydrotreated light, Kerosine — unspecified, [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approximately 150 oC to 290 oC (302 oFto 554 oF).]	10 - 24.99 %	Asp. Tox. 1, H304	-
CAS No: 68608-26-4 EC No: 271-781-5 Registration No: 01-2119527859-22-XXXX	Sulfonic acids, petroleum, sodium salts	1 - 9.99 %	Eye Irrit. 2, H319	-

-Continued on next page.-

# SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)



## MAXISOL-3

Version 1 Date of compilation: 5/10/2018

Version 16 (replaces version 15)

Revision date: 19/04/2023

Page 3 of 14

Print date: 19/04/2023

Index No: 650-015-00-7 CAS No: 8050-09-7 EC No: 232-475-7 Registration No: 01-2119480418-32-XXXX	[2] rosin, colophony	1 - 9.99 %	Skin Sens. 1, H317	-
Index No: 019-002-00-8 CAS No: 1310-58-3 EC No: 215-181-3 Registration No: 01-2119487136-33-XXXX	[2] potassium hydroxide, caustic potash	0.5 - 1.99 %	Acute Tox. 4 *, H302 - Skin Corr. 1A, H314	Skin Corr. 1A, H314: C ≥ 5 % Skin Corr. 1B, H314: 2 % ≤ C < 5 % Skin Irrit. 2, H315: 0,5 % ≤ C < 2 % Eye Irrit. 2, H319: 0,5 % ≤ C < 2 %
Index No: 603-108-00-1 CAS No: 78-83-1 EC No: 201-148-0 Registration No: 01-2119484609-23-XXXX	[2] 2-methylpropan-1-ol, iso-butanol	1 - 2.99 %	Eye Dam. 1, H318 - Flam. Liq. 3, H226 - Skin Irrit. 2, H315 - STOT SE 3, H335 - STOT SE 3, H336	-
Index No: 613-114-00-6 CAS No: 4719-04-4 EC No: 225-208-0 Registration No: 01-2119529226-41-XXXX	2,2',2''-(hexahydro-1,3,5triazine-1,3,5triy)triethanol,1,3,5-tris(2-hydroxyethyl)hexahydro-1,3,5-triazine	0.1 - 0.99 %	Acute Tox. 2, H330 - Acute Tox. 4, H302 - Eye Irrit. 2, H319 - Skin Sens. 1, H317 - STOT RE 1, H372	Skin Sens. 1, H317: C ≥ 0,1 %
Index No: 613-088-00-6 CAS No: 2634-33-5 EC No: 220-120-9 Registration No: 01-2120761540-60-XXXX	1,2-benzisothiazol-3(2H)-one,1,2-benzisothiazolin-3-one	0.05 - 0.249 %	Acute Tox. 2, H330 - Acute Tox. 4, H302 - Aquatic Acute 1, H400 - Aquatic Chronic 1, H410 - Eye Dam. 1, H318 - Skin Irrit. 2, H315 - Skin Sens. 1, H317	Skin Sens. 1, H317: C ≥ 0,05 %
Index No: 011-002-00-6 CAS No: 1310-73-2 EC No: 215-185-5 Registration No: 01-2119457892-27-XXXX	[2] sodium hydroxide, caustic soda	0 - 0.499 %	Eye Dam. 1, H318 - Met. Corr. 1, H290 - Skin Corr. 1A, H314	Skin Corr. 1A, H314: C ≥ 5 % Skin Corr. 1B, H314: 2 % ≤ C < 5 % Skin Irrit. 2, H315: 0,5 % ≤ C < 2 % Eye Irrit. 2, H319: 0,5 % ≤ C < 2 %
Index No: 603-030-00-8 CAS No: 141-43-5 EC No: 205-483-3 Registration No: 01-2119486455-28-XXXX	[1] [2] 2-aminoethanol, ethanolamine	0 - 0.99 %	Acute Tox. 4, H312 - Acute Tox. 4, H332 - Acute Tox. 4, H302 - Eye Dam. 1, H318 - Skin Corr. 1B, H314	STOT SE 3, H335: C ≥ 5 %

-Continued on next page.-

# SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)



## MAXISOL-3

Version 1      Date of compilation: 5/10/2018  
Version 16 (replaces version 15)

Revision date: 19/04/2023

Page 4 of 14  
Print date: 19/04/2023

(\* ) The complete text of the H phrases is given in section 16 of this Safety Data Sheet.

\* See Regulation (EC) No. 1272/2008, Annex VI, section 1.2.

[1] Substance with a European Union exposure limit in the workplace (see section 8.1).

[2] Substance with a national workplace exposure limit (see section 8.1).

### SECTION 4: FIRST AID MEASURES.

IRRITANT MIXTURE. Its repeated or prolonged contact with the skin or mucous membranes can cause irritant symptoms such as reddening of the skin, blisters, or dermatitis. Some of the symptoms may not be immediate. They can cause allergic reactions on the skin.

#### 4.1 Description of first aid measures.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

#### Inhalation.

Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration.

#### Eye contact.

Remove contact lenses, if present and if it is easy to do. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance. Don't let the person to rub the affected eye.

#### Skin contact.

Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. NEVER use solvents or thinners.

#### Ingestion.

If accidentally ingested, seek immediate medical attention. Keep calm. NEVER induce vomiting.

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

Irritant Product, repeated or prolonged contact with skin or mucous membranes can cause redness, blisters or dermatitis, inhalation of spray mist or particles in suspension may cause irritation of the respiratory tract, some symptoms may not be immediate.

It may cause an allergic reaction, dermatitis, redness or inflammation of the skin.

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

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious. Cover the affected area with a dry sterile bandage. Protect the affected area from pressure or friction.

### SECTION 5: FIREFIGHTING MEASURES.

The product does not present any particular risk in case of fire.

#### 5.1 Extinguishing media.

##### Suitable extinguishing media:

Extinguisher powder or CO<sub>2</sub>. In case of more serious fires, also alcohol-resistant foam and water spray.

##### Unsuitable extinguishing media:

Do not use a direct stream of water to extinguish. In the presence of electrical voltage, you cannot use water or foam as extinguishing media.

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

##### Special risks.

Exposure to combustion or decomposition products can be harmful to your health.

#### 5.3 Advice for firefighters.

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways.

##### Fire protection equipment.

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and boots.

-Continued on next page.-

# SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)



## MAXISOL-3

Version 1 Date of compilation: 5/10/2018

Version 16 (replaces version 15)

Revision date: 19/04/2023

Page 5 of 14

Print date: 19/04/2023

### SECTION 6: ACCIDENTAL RELEASE MEASURES.

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

For exposure control and individual protection measures, see section 8.

#### 6.2 Environmental precautions.

Product not classified as hazardous for the environment, avoid spillage as much as possible.

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

Contain and collect spillage with inert absorbent material (earth, sand, vermiculite, Kieselguhr...) and clean the area immediately with a suitable decontaminant.

Deposit waste in closed and suitable containers for disposal, in compliance with local and national regulations (see section 13).

#### 6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8.

For later elimination of waste, follow the recommendations under section 13.

### SECTION 7: HANDLING AND STORAGE.

#### 7.1 Precautions for safe handling.

For personal protection, see section 8.

In the application area, smoking, eating, and drinking must be prohibited.

Follow legislation on occupational health and safety.

Never use pressure to empty the containers. They are not pressure-resistant containers. Keep the product in containers made of a material identical to the original.

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

Store according to local legislation. Observe indications on the label. Store the containers between 5 and 25 ° C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorized persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

The product is not affected by Directive 2012/18/EU (SEVESO III).

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

Professional use only.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

#### 8.1 Control parameters.

Work exposure limit for:

Name	CAS No.	Country	Limit value	ppm	mg/m <sup>3</sup>
distillates (petroleum), hydrotreated heavy naphthenic, Baseoil — unspecified, [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100oF (19cSt at 40 oC). It contains relatively few normal paraffins.]	64742-52-5	España [1]	Eight hours		5
			Short term		10

-Continued on next page.-

# SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)



## MAXISOL-3

Version 1 Date of compilation: 5/10/2018  
Version 16 (replaces version 15)

Revision date: 19/04/2023

Page 6 of 14  
Print date: 19/04/2023

distillates (petroleum), hydrotreated light, Kerosine — unspecified, [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approximately 150 oC to 290 oC (302 oFto 554 oF).]	64742-47-8	Éire [2]	<b>Eight hours</b>		100	
			<b>Short term</b>			
rosin, colophony	8050-09-7	United Kingdom [3]	<b>Eight hours</b>		0,05	
			<b>Short term</b>		0,15	
potassium hydroxide, caustic potash	1310-58-3	España [1]	<b>Eight hours</b>			
			<b>Short term</b>		2	
		United Kingdom [3]	<b>Eight hours</b>			
			<b>Short term</b>			2
		Éire [2]	<b>Eight hours</b>			
			<b>Short term</b>			2
2-methylpropan-1-ol, iso-butanol	78-83-1	España [1]	<b>Eight hours</b>	50	154	
			<b>Short term</b>			
		United Kingdom [3]	<b>Eight hours</b>	50	154	
			<b>Short term</b>	75	231	
		Éire [2]	<b>Eight hours</b>	50	150	
			<b>Short term</b>	75	225	
		United States [4] (Cal/OSHA)	<b>Eight hours</b>	50		
			<b>Short term</b>			
		United States [5] (NIOSH)	<b>Eight hours</b>	50		
			<b>Short term</b>			
		United States [6] (OSHA)	<b>Eight hours</b>	100	300	
			<b>Short term</b>			
sodium hydroxide, caustic soda	1310-73-2	España [1]	<b>Eight hours</b>			
			<b>Short term</b>		2	
		United Kingdom [3]	<b>Eight hours</b>			
			<b>Short term</b>			2
		Éire [2]	<b>Eight hours</b>			
			<b>Short term</b>			2
		United States [4] (Cal/OSHA)	<b>Eight hours</b>	(Ceiling) 2		
			<b>Short term</b>			
United States [5] (NIOSH)	<b>Eight hours</b>			(Ceiling) 2		
	<b>Short term</b>					
United States [6] (OSHA)	<b>Eight hours</b>			2		
	<b>Short term</b>					
2-aminoethanol, ethanolamine	141-43-5	España [1]	<b>Eight hours</b>	1(Vía dérmica)	2,5(Vía dérmica)	
			<b>Short term</b>	3(Vía dérmica)	7,5(Vía dérmica)	
		European Union [7]	<b>Eight hours</b>	1 (skin)	2,5 (skin)	
			<b>Short term</b>	3 (skin)	7,6 (skin)	
		United Kingdom [3]	<b>Eight hours</b>	1	2,5	
			<b>Short term</b>	3	7,6	
		Éire [2]	<b>Eight hours</b>	1	2,5	
			<b>Short term</b>	3	7,6	
		United States [4] (Cal/OSHA)	<b>Eight hours</b>	3		
			<b>Short term</b>	6		
		United States [5] (NIOSH)	<b>Eight hours</b>	3	6	
			<b>Short term</b>			
		United States [6] (OSHA)	<b>Eight hours</b>	3		
			<b>Short term</b>	6		

[1] Según la lista de Valores Límite Ambientales de Exposición Profesional adoptados por el Instituto Nacional de Seguridad y Salud en el Trabajo (INSST) para el año 2022.

# SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)



## MAXISOL-3

Version 1 Date of compilation: 5/10/2018  
Version 16 (replaces version 15)

Revision date: 19/04/2023

Page 7 of 14  
Print date: 19/04/2023

[2] According Code of Practice for the Safety, Health and Welfare at Work (Chemicals Agents) Regulations adopted by Health and Safety Authority (HSA).

[3] According Limit Value (IOELV) list in 2nd Indicative Occupational Exposure adopted by Health and Safety Executive.

[4] California Division of Occupational Safety and Health (Cal/OSHA) Permissible Exposure Limits (PELs).

[5] National Institute for Occupational Safety and Health. NIOSH Recommendations for occupational safety and health, Compendium of Policy Documents and Statements, January, 1992, DHHS (NIOSH) Publication No. 92-100.

[6] Occupational Safety and Health Administration, United States Department of Labor. Permissible Exposure limits (PELs), California Division of Occupational Safety and Health (Cal/OSHA) Permissible Exposure Limits (PELs).

[7] According both Binding Occupational Exposure Limits (BOELVs) and Indicative Occupational Exposure Limits (IOELVs) adopted by Scientific Committee for Occupational Exposure Limits to Chemical Agents (SCOEL).

The product does NOT contain substances with Biological Limit Values.

Concentration levels DNEL/DMEL:

Name	DNEL/DMEL	Type	Value
Sulfonic acids, petroleum, sodium salts CAS No: 68608-26-4 EC No: 271-781-5	DNEL (Workers)	Inhalation, Chronic, Systemic effects	0,66 (mg/m <sup>3</sup> )
rosin, colophony CAS No: 8050-09-7 EC No: 232-475-7	DNEL (Workers)	Inhalation, Chronic, Systemic effects	176 (mg/m <sup>3</sup> )
2-methylpropan-1-ol, iso-butanol CAS No: 78-83-1 EC No: 201-148-0	DNEL (Workers)	Inhalation, Chronic, Local effects	310 (mg/m <sup>3</sup> )
	DNEL (Consumers)	Inhalation, Chronic, Local effects	55 (mg/m <sup>3</sup> )
2,2',2''-(hexahydro-1,3,5triazine-1,3,5triyli)triethanol,1,3,5-tris(2-hydroxyethyl)hexahydro-1,3,5-triazine CAS No: 4719-04-4 EC No: 225-208-0	DNEL (Workers)	Inhalation, Chronic, Local effects	0,2 (mg/m <sup>3</sup> )
sodium hydroxide, caustic soda CAS No: 1310-73-2 EC No: 215-185-5	DNEL (Workers)	Inhalation, Chronic, Local effects	1 (mg/m <sup>3</sup> )
	DNEL (Consumers)	Inhalation, Chronic, Local effects	1 (mg/m <sup>3</sup> )
2-aminoethanol, ethanolamine CAS No: 141-43-5 EC No: 205-483-3	DNEL (Workers)	Inhalation, Chronic, Local effects	3,3 (mg/m <sup>3</sup> )

DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.

DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.

Concentration levels PNEC:

Name	Details	Value
2-methylpropan-1-ol, iso-butanol CAS No: 78-83-1 EC No: 201-148-0	aqua (freshwater)	0,4 (mg/L)
	aqua (marine water)	0,04 (mg/L)
	aqua (intermittent releases)	11 (mg/L)
	STP	10 (mg/L)
	sediment (freshwater)	1,52 (mg/kg sediment dw)
	sediment (marine water)	0,152 (mg/kg sediment dw)
	soil	0,0699 (mg/kg soil dw)

PNEC: Predicted No Effect Concentration, concentration of the substance below which adverse effects are not expected in the environmental compartment.

Distillates (petroleum), hydrotreated heavy naphthenic

### 8.2 Exposure controls.

#### Measures of a technical nature:

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

-Continued on next page.-

# SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)

## MAXISOL-3

Version 1 Date of compilation: 5/10/2018

Version 16 (replaces version 15)

Revision date: 19/04/2023

Page 8 of 14

Print date: 19/04/2023

<b>Concentration:</b>	100 %		
<b>Uses:</b>	Metalworking fluid		
<b>Breathing protection:</b>			
If the recommended technical measures are observed, no individual protection equipment is necessary.			
<b>Hand protection:</b>			
PPE:	Work gloves.		
Characteristics:	«CE» marking, category I.		
CEN standards:	EN 374-1, En 374-2, EN 374-3, EN 420		
Maintenance:	Keep in a dry place, away from any sources of heat, and avoid exposure to sunlight as much as possible. Do not make any changes to the gloves that may alter their resistance, or apply paints, solvents or adhesives.		
Observations:	Gloves should be of the appropriate size and fit the user's hand well, not being too loose or too tight. Always use with clean, dry hands.		
Material:	PVC (polyvinyl chloride)	Breakthrough time (min.):	> 480
		Material thickness (mm):	0,35
<b>Eye protection:</b>			
PPE:	Face shield.		
Characteristics:	«CE» marking, category II. Face and eye protector against splashing liquid.		
CEN standards:	EN 165, EN 166, EN 167, EN 168		
Maintenance:	Visibility through lenses should be ideal. Therefore, these parts should be cleaned daily. Protectors should be disinfected periodically following the manufacturer's instructions. Make sure that mobile parts move smoothly.		
Observations:	Face shields should offer a field of vision with a dimension in the central line of, at least, 150 mm vertically once attached to the frame.		
<b>Skin protection:</b>			
PPE:	Protective clothing.		
Characteristics:	«CE» marking, category II. Protective clothing should not be too tight or loose in order not to obstruct the user's movements.		
CEN standards:	EN 340		
Maintenance:	In order to guarantee uniform protection, follow the washing and maintenance instructions provided by the manufacturer.		
Observations:	The protective clothing should offer a level of comfort in line with the level of protection provided in terms of the hazard against which it protects, bearing in mind environmental conditions, the user's level of activity and the expected time of use.		
PPE:	Work footwear.		
Characteristics:	«CE» marking, category II.		
CEN standards:	EN ISO 13287, EN 20347		
Maintenance:	This product adapts to the first user's foot shape. That is why, as well as for hygienic reasons, it should not be used by other people.		
Observations:	Work footwear for professional use includes protection elements aimed at protecting users against any injury resulting from an accident		



### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

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

Physical state: Liquid

Colour: Not applicable/Not available due to the nature/properties of the product

Odour: Mild

Odour threshold: Not applicable/Not available due to the nature/properties of the product

Melting point: -10 °C

Freezing point: Not applicable/Not available due to the nature/properties of the product

Boiling point or initial boiling point and boiling range: >100 °C

Flammability: Not applicable/Not available due to the nature/properties of the product

Lower explosion limit: Not applicable/Not available due to the nature/properties of the product

Upper explosion limit: Not applicable/Not available due to the nature/properties of the product

Flash point: >100 °C

Auto-ignition temperature: Not applicable/Not available due to the nature/properties of the product

Decomposition temperature: Not applicable/Not available due to the nature/properties of the product

pH: 9 - 10

Kinematic viscosity: 32 cSt @ 40°C

-Continued on next page.-



# SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)



## MAXISOL-3

Version 1 Date of compilation: 5/10/2018

Version 16 (replaces version 15)

Revision date: 19/04/2023

Page 9 of 14

Print date: 19/04/2023

Solubility: Oil solvents  
Hydrosolubility: Emulsifiable  
Liposolubility: Not applicable/Not available due to the nature/properties of the product  
Partition coefficient n-octanol/water (log value): Not applicable/Not available due to the nature/properties of the product  
Vapour pressure: Not applicable/Not available due to the nature/properties of the product  
Absolute density: Not applicable/Not available due to the nature/properties of the product  
Relative density: 0.885-0900  
Relative vapour density: Not applicable/Not available due to the nature/properties of the product  
Particle characteristics: Not applicable/Not available due to the nature/properties of the product

### 9.2 Other information

Not applicable/Not available due to the nature/properties of the product

## SECTION 10: STABILITY AND REACTIVITY.

### 10.1 Reactivity.

The product does not present hazards by their reactivity.

### 10.2 Chemical stability.

Unstable in contact with:

- Acids.

### 10.3 Possibility of hazardous reactions.

Neutralization can occur on contact with acids.

### 10.4 Conditions to avoid.

- Avoid contact with acids.

### 10.5 Incompatible materials.

Avoid the following materials:

- Acids.

### 10.6 Hazardous decomposition products.

Depending on conditions of use, can be generated the following products:

- Corrosive vapors or gases.

## SECTION 11: TOXICOLOGICAL INFORMATION.

IRRITANT MIXTURE. Splashes in the eyes can cause irritation.

IRRITANT MIXTURE. Its repeated or prolonged contact with the skin or mucous membranes can cause irritant symptoms such as reddening of the skin, blisters, or dermatitis. Some of the symptoms may not be immediate. They can cause allergic reactions on the skin.

### 11.1 Information on hazard classes as defined in Regulation (EC) N° 1272/2008.

Repeated or prolonged contact with the product can cause the elimination of oil from the skin, giving rise to non-allergic contact dermatitis and absorption of the product through the skin.

### Toxicological information about the substances present in the composition.

Name	Acute toxicity			
	Type	Test	Kind	Value
1,2-benzisothiazol-3(2H)-one,1,2-benzisothiazolin-3-one  CAS No: 2634-33-5    EC No: 220-120-9	Oral	LD50	Rat	1020 mg/kg bw [1]
	Dermal	[1] Pharmacological Research Communications. Vol. 3, Pg. 385, 1971		
	Inhalation			
sodium hydroxide, caustic soda	Oral	LD50	Rabbit	325 mg/kg bw [1]

-Continued on next page.-

# SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)



## MAXISOL-3

Version 1 Date of compilation: 5/10/2018  
Version 16 (replaces version 15)

Revision date: 19/04/2023

Page 10 of 14  
Print date: 19/04/2023

CAS No: 1310-73-2 EC No: 215-185-5		[1] Naunyn-Schmiedeberg's (1937), Archiv für experimentielle Pathologie und Pharmakologie (Berlin, Germany), 184, 587-604
	Dermal	
	Inhalation	

a) acute toxicity;  
Not conclusive data for classification.

Acute Toxicity Estimate (ATE):  
Mixtures:  
ATE (Oral) = 38.168 mg/kg

b) skin corrosion/irritation;  
Product classified:  
Skin irritant, Category 2: Causes skin irritation.

c) serious eye damage/irritation;  
Product classified:  
Eye irritation, Category 2: Causes serious eye irritation.

d) respiratory or skin sensitisation;  
Product classified:  
Skin sensitiser, Category 1: May cause an allergic skin reaction.

e) germ cell mutagenicity;  
Not conclusive data for classification.

f) carcinogenicity;  
Not conclusive data for classification.

g) reproductive toxicity;  
Not conclusive data for classification.

h) STOT-single exposure;  
Based on available data, the classification criteria are not met.

i) STOT-repeated exposure;  
Based on available data, the classification criteria are not met.

j) aspiration hazard;  
Based on available data, the classification criteria are not met.

### 11.2 Information on other hazards.

#### Endocrine disrupting properties

This product does not contain components with endocrine-disrupting properties with effects on human health.

#### Other information

There is no information available on other adverse health effects.

## SECTION 12: ECOLOGICAL INFORMATION.

### 12.1 Toxicity.

Name	Ecotoxicity			
	Type	Test	Kind	Value
1,2-benzisothiazol-3(2H)-one,1,2-	Fish	LC50	Fish	10 mg/l (96 h) [1]

-Continued on next page.-

# SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)



## MAXISOL-3

Version 1 Date of compilation: 5/10/2018  
Version 16 (replaces version 15)

Revision date: 19/04/2023

Page 11 of 14  
Print date: 19/04/2023

benzisothiazolin-3-one  CAS No: 2634-33-5    EC No: 220-120-9		[1] Linden, E., B.E. Bengtsson, O. Svanberg, and G. Sundstrom 1979. The Acute Toxicity of 78 Chemicals and Pesticide Formulations Against Two Brackish Water Organisms, the Bleak ( <i>Alburnus alburnus</i> ) and the Harpacticoid <i>Nitocra spinipes</i> . <i>Chemosphere</i> 8(11/12):843-851 (Author Communication Used) (OECDG Data File)
	Aquatic invertebrates	EC50    Crustacean    4,4 mg/l (48 h) [1] [1] Office of Pesticide Programs 2000. Pesticide Ecotoxicity Database (Formerly: Environmental Effects Database (EEDB)). Environmental Fate and Effects Division, U.S.EPA, Washington, D.C
	Aquatic plants	
sodium hydroxide, caustic soda  CAS No: 1310-73-2    EC No: 215-185-5	Fish	Minimal Lethal Concentration    Notropis sp.    100 mg/L (120 h) [1] [1] Van Horn et al. (1949), Effects of Kraft Mill Wastes, American Fisheries Society
	Aquatic invertebrates	LC50    Ophryotrocha diadema    33 mg/L (48 h) [1] [1] Parker JG (1984), <i>Wat Res</i> , 18, 865-868
	Aquatic plants	

### 12.2 Persistence and degradability.

No information is available regarding the biodegradability of the substances present.  
No information is available on the degradability of the substances present.  
No information is available about persistence and degradability of the product.

### 12.3 Bioaccumulative potential.

Information about the bioaccumulation of the substances present.

Name	Bioaccumulation			
	Log Pow	BCF	NOECs	Level
distillates (petroleum), hydrotreated light, Kerosine — unspecified, [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approximately 150 °C to 290 °C (302 °F to 554 °F).] CAS No: 64742-47-8    EC No: 265-149-8	6	-	-	Very high
2-methylpropan-1-ol, iso-butanol CAS No: 78-83-1    EC No: 201-148-0	0,76	-	-	Very low
2-aminoethanol, ethanolamine CAS No: 141-43-5    EC No: 205-483-3	-1,31	-	-	Very low

### 12.4 Mobility in soil.

No information is available about the mobility in soil.  
The product must not be allowed to go into sewers or waterways.

-Continued on next page.-

# SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)



## MAXISOL-3

Version 1 Date of compilation: 5/10/2018

Version 16 (replaces version 15)

Revision date: 19/04/2023

Page 12 of 14

Print date: 19/04/2023

Prevent penetration into the ground.

### 12.5 Results of PBT and vPvB assessment.

No information is available about the results of PBT and vPvB assessment of the product.

### 12.6 Endocrine disrupting properties.

This product doesn't contain components with environmental endocrine disrupting properties.

### 12.7 Other adverse effects.

No information is available about other adverse effects for the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS.

### 13.1 Waste treatment methods.

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.

Follow the provisions of Directive 2008/98/EC regarding waste management.

Waste classification according to the European Waste Catalogue:

14 WASTE ORGANIC SOLVENTS, REFRIGERANTS AND PROPELLANTS (EXCEPT 07 AND 08)

14 06 waste organic solvents, refrigerants and foam/aerosol propellants

14 06 03 other solvents and solvent mixtures

Waste classified as hazardous.

Method of treatment according to Directive 2008/98/EC:

Recovery

R3 Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)

## SECTION 14: TRANSPORT INFORMATION.

Transportation is not dangerous. In case of road accident causing the product's spillage, proceed in accordance with point 6.

### 14.1 UN number or ID number.

Transportation is not dangerous.

### 14.2 UN proper shipping name.

Description:

ADR/RID: Not classified as hazardous for transport.

IMDG: Not classified as hazardous for transport.

ICAO/IATA: Not classified as hazardous for transport.

### 14.3 Transport hazard class(es).

Transportation is not dangerous.

### 14.4 Packing group.

Transportation is not dangerous.

### 14.5 Environmental hazards.

Transportation is not dangerous.

Transport by ship, FEM – Emergency sheets (F – Fire, S - Spills): Not applicable.

### 14.6 Special precautions for user.

Transportation is not dangerous.

### 14.7 Maritime transport in bulk according to IMO instruments.

Transportation is not dangerous.

-Continued on next page.-

# SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)



## MAXISOL-3

Version 1 Date of compilation: 5/10/2018

Version 16 (replaces version 15)

Revision date: 19/04/2023

Page 13 of 14

Print date: 19/04/2023

### SECTION 15: REGULATORY INFORMATION.

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

The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

The product is not affected by Directive 2012/18/EU (SEVESO III).

The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.

The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

#### 15.2 Chemical safety assessment.

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

### SECTION 16: OTHER INFORMATION.

Complete text of the H phrases that appear in section 3:

H226	Flammable liquid and vapour.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Classification codes:

Acute Tox. 2 : Acute toxicity (Inhalation), Category 2  
Acute Tox. 4 : Acute toxicity (Dermal), Category 4  
Acute Tox. 4 : Acute toxicity (Inhalation), Category 4  
Acute Tox. 4 : Acute toxicity (Oral), Category 4  
Aquatic Acute 1 : Acute toxicity to the aquatic environment, Category 1  
Aquatic Chronic 1 : Chronic effect to the aquatic environment, Category 1  
Asp. Tox. 1 : Aspiration toxicity, Category 1  
Eye Dam. 1 : Serious eye damage, Category 1  
Eye Irrit. 2 : Eye irritation, Category 2  
Flam. Liq. 3 : Flammable liquid, Category 3  
Met. Corr. 1 : Corrosive to metals, Category 1  
Skin Corr. 1A : Skin Corrosive, Category 1A  
Skin Corr. 1B : Skin Corrosive, Category 1B  
Skin Irrit. 2 : Skin irritant, Category 2  
Skin Sens. 1 : Skin sensitiser, Category 1  
STOT RE 1 : Specific target organ toxicity following a repeated exposure, Category 1  
STOT SE 3 : Specific target organ toxicity following a single exposure, Category 3

-Continued on next page.-

# SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)



## MAXISOL-3

Version 1 Date of compilation: 5/10/2018

Version 16 (replaces version 15)

Revision date: 19/04/2023

Page 14 of 14

Print date: 19/04/2023

Changes regarding to the previous version:

- Changes in the information of the supplier (SECTION 1.3).
- Modification of specific hazards (SECTION 2.3).
- Changes in the composition of the product (SECTION 3.2).
- Changes in the composition of the product (SECTION 3.2).
- Modification in the firefighting measures (SECTION 5.2).
- Modifications in the accidental release measures (SECTION 6.1).
- Addition of exposure data (SECTION 8.1).
- Modification in the values of the physical and chemical properties (SECTION 9).
- Change in the hazard classification (SECTION 11.1).
- Addition of ecological information values (SECTION 12.3).
- Modification of the classification ADR/IMDG/ICAO/IATA/RID (SECTION 14).
- Elimination of abbreviations and acronyms (SECTION 16).

### Classification and procedure used to derive the classification for mixtures according to Regulation (EC)

#### 1272/2008 [CLP]:

Physical hazards	On basis of test data
Health hazards	Calculation method
Environmental hazards	Calculation method

It is advisable to carry out basic training with regard to health and safety at work in order to handle this product correctly.

Abbreviations and acronyms used:

BCF:	Bioconcentration factor.
CEN:	European Committee for Standardization.
DMEL:	Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.
DNEL:	Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.
EC50:	Half maximal effective concentration.
PPE:	Personal protection equipment.
LC50:	Lethal concentration, 50%.
LD50:	Lethal dose, 50%.
NOEC:	No observed effect concentration.
PNEC:	Predicted No Effect Concentration, concentration of the substance below which adverse effects are not expected in the environmental compartment.

Key literature references and sources for data:

<http://eur-lex.europa.eu/homepage.html>

<http://echa.europa.eu/>

Regulation (EU) 2020/878.

Regulation (EC) No 1907/2006.

Regulation (EC) No 1272/2008.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemical substances and mixtures (REACH).

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.