



MATERIAL SAFETY DATA SHEET

compliant with Regulation (EC) No. 1907/2006 of 18 December 2006 – REACH as amended

Release date: 07.06.2017

Update date: 20.08.2024

Version: 3.0/EN

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

1.1 Product identifier:

Trade name	AROX Mosquito Liquid. AROX Mosquito Liquid for CHILDREN. AROX Electric Fumigator with Mosquito Liquid. AROX Electric Fumigator with Mosquito Liquid for CHILDREN.
Catalog number	946, 949, 867, 871

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

1.2.1. Significant identified uses

PT18 - Insecticides, acaricides and products used to control other arthropods. Products used to control arthropods (e.g., insects, arachnids, and crustaceans) by means other than repelling or attracting them.
Biocidal product for mosquito control.

1.2.2. Uses advised against

All other than those mentioned.

1.3 Details of the supplier of the safety data sheet:

Agrecol Sp. z o. o. Mesznary 2, 98-400 Wieruszów, Poland
Tel./Fax: +48 62 78 32 000
E-mail address of the person responsible for the safety data sheet: agrecol@agrecol.pl

1.4 Emergency telephone number:

Producer	+48 62 78 32 000 (7:00 am -15:00 pm)
General emergency telephone number	112

SECTION 2: Hazard Identification

2.1 Classification of the substance or mixture:

Classification of the mixture in accordance with Regulation (EC) 1272/2008 [CLP]
Hazardous to the aquatic environment — Chronic Hazard, Category 2 H411

2.2 Label elements

Labelling in accordance with Regulation (EC) 1272/2008 [CLP]

Hazard pictogram(s):



Signal word(s):	Not applicable
Hazardous ingredients:	Not applicable
Hazard statement(s):	H411
Precautionary statement(s):	Toxic to aquatic life with long lasting effects.
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.
P261	Avoid breathing vapours.
P273	Avoid release to the environment.
P501	Dispose of contents/container to properly labeled waste containers in accordance with national regulations.
Additional information about threats:	Not applicable
Tactile danger warning :	Not applicable
Child-resistant closure:	Not applicable

2.3 Other hazards:

The product does not contain substances that meet the criteria for persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) substances in accordance with Annex XIII of the REACH Regulation. The product does not contain substances included in the list established in accordance with Article 59(1) that have endocrine disrupting properties, or 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.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable



MATERIAL SAFETY DATA SHEET

compliant with Regulation (EC) No. 1907/2006 of 18 December 2006 – REACH as amended

Release date: 07.06.2017

Update date: 20.08.2024

Version: 3.0/EN

3.2. Mixtures

Name of the substance	%	Product ID	Classification according to the regulation (EC) No. 1272/2008 [CLP]	SCL, M-factor, ATE
Prallethrin (ISO)	≤ 1,03	CAS number: 23031-36-9 EC number: 245-387-9 Index number: 607-431-00-9	Acute Tox. 3; H331 Acute Tox. 4; H302 Aquatic Acute 1 H400; Aquatic Chronic 1 H410;	-
2,6-di-tert-butyl-p-cresol	≤ 1	CAS number: 128-37-0 EC number: 204-881-4 Index number: no data Registration number: 01-2119565113-46-XXXX	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	-

Full text of H phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General notes:	Remove the injured person to fresh air. If any disturbing symptoms occur, call a doctor immediately or take the injured person to a hospital, showing them the packaging or label.
After inhalation exposure:	If dizziness or nausea occurs, remove the injured person to fresh air and provide rest. If they feel unwell, consult a doctor.
After skin contact:	Remove contaminated clothing. Wash exposed skin with plenty of soap and water.
After eye contact:	Rinse contaminated eyes with plenty of water for 10-15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Avoid strong streams of water. Consult an ophthalmologist if necessary.
After exposure via the gastrointestinal tract:	Do not induce vomiting. Do not give anything by mouth to an unconscious person. Seek medical advice immediately and show the container or label.

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

Symptoms: no information

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

There is no specific antidote. Treat symptomatically.
The decision on how to proceed is made by the doctor after assessing the condition of the injured person.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:	Foam, carbon dioxide, extinguishing powder, water spray or fog.
Inappropriate extinguishing media:	A dense stream of water – danger of spreading fire.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products:	Fire produces hazardous vapors and smoke containing toxic decomposition products. Do not exhale fumes.
--------------------------------	--

5.3. Advice for firefighters

Fire extinguishing instructions:	Appropriate breathing apparatus may be necessary.
Protection in the event of fire:	Do not enter a fire zone without protective equipment and breathing apparatus.
Other information:	Avoid contamination of surface waters. Isolate contaminated fire extinguishing water and prevent it from entering sewers or wastewater systems. Dispose of fire debris and contaminated fire extinguishing water in accordance with regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment:	Wear suitable protective clothing, appropriate gloves, and safety goggles or a face shield. Chemical-resistant gloves (in accordance with standard EN 374 or an equivalent). EN 166 "3". Wear safety goggles. Personal protective equipment: EN ISO 20345.
Emergency procedures:	Evacuate personnel to a safe location.

6.1.2. For those providing assistance

Protective equipment:	Wear appropriate protection for your body, head and hands.
-----------------------	--

6.2. Environmental precautions

Prevent from entering soil. Prevent from entering sewers/surface water/groundwater.



MATERIAL SAFETY DATA SHEET

compliant with Regulation (EC) No. 1907/2006 of 18 December 2006 – REACH as amended

Release date: 07.06.2017

Update date: 20.08.2024

Version: 3.0/EN

6.3. Methods and material for containment and cleaning up

Do not allow firefighting wastewater to discharge into sewers or waterways. Notify authorities if liquid enters sewers or public waters.

6.3.1. Preventing the spread of contamination If possible, stop the leak.

6.3.2. Removal of contamination Rinse small amounts of spilled material with water. Soak up large amounts of spilled product with absorbent material (sand, diatomaceous earth, sawdust) and collect in a labeled waste container. Rinse the spill area thoroughly with water.

6.3.3. Other information Avoid contamination of surface waters.

6.4. References to other sections

Protection : Section 8

Waste treatment methods: section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards during processing Do not allow fire extinguishing agent residues to enter sewers or watercourses. Do not contaminate water bodies with the product or its packaging.

Precautions for safe conduct Avoid contact with skin and eyes. Do not eat, drink, or smoke where the product is used. Before leaving work, wash hands and all exposed areas with mild soap and water. Remove contaminated clothing and shoes. Clean equipment and clothing after work.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Store only in the original packaging, in a cool and well-ventilated place. Protect from sunlight. Keep away from food, drink and animal feed.

Storage conditions : Please follow all safety instructions.

7.3. Specific end use(s)

Biocidal product.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The product does not contain any substances subject to exposure control in the work environment according to the Regulation of the Minister of Labor and Social Policy on the highest permissible concentrations and intensities of factors harmful to health in the work environment in Poland (Journal of Laws of 2018, item 1286, as amended).

DNEL (employees):

		Short-term exposure	Long exposure
2,6-di-tert-butyl-p-cresol			
	Oral	-	-
	Skin	-	0,5 mg/kg m.c./dzień
	Inhalation	-	1,76 mg/m ³

PNEC

2,6-di-tert-butyl-p-cresol	
Sewage treatment plant	-
Freshwater	0,004 mg/l
Sea waters	-
Freshwater sediment	0,731 mg/kg
Seawater sediment	-
Soil	0,35 mg/kg

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Process containment and workstation isolation are the most effective technical protective measures. The scope of measures used is selected depending on the actual hazards during product use. If mists or vapors are generated, use exhaust ventilation. In conditions where exposure cannot be eliminated by engineering and technical measures or they are ineffective, use additional personal protective equipment. Monitor exposure and implement all possible technical measures to ensure that product concentrations in the workplace are below recommended exposure limits.

8.2.2. Individual protection measures such as personal protective equipment

Eye or face protection: Not required for normal use.



MATERIAL SAFETY DATA SHEET

compliant with Regulation (EC) No. 1907/2006 of 18 December 2006 – REACH as amended

Release date: 07.06.2017

Update date: 20.08.2024

Version: 3.0/EN

Hand protection:	Choosing the right gloves depends not only on the material, but also on the brand and quality, which vary between manufacturers. The resistance of the glove material can be determined after testing. The exact time of glove degradation must be determined by the manufacturer. It is recommended to wear disposable, tight, five-finger protective gloves made of nitrile or a material with similar resistance to chemical agents, corresponding to at least level 2 of protection effectiveness (breakthrough time >30 min) according to the EN 374 standard, with a thickness of at least 0.12 mm.
Skin protection:	Wash your hands with soap and water each time after contact with the product. Wear protective clothing appropriate to workplace conditions and permeation characteristics. Wash contaminated skin with soap and water.
Respiratory protection:	Not required under normal use. If adequate ventilation is not available, wear filtering respirators with appropriate filters.
Thermal hazards:	Not applicable.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

a) Physical state	Liquid
b) Colour	Colorless
c) Odour	Perceptible
d) Melting point/freezing point	Not specified
e) Boiling point or initial boiling point and boiling range	Not specified
f) Flammability	No data available
g) Lower and upper explosion limit	No data available
h) Flash point	>93°C
i) Auto-ignition temperature	No data available
j) Decomposition temperature	No data available
k) pH	7,2 ±0,5
l) Kinematic viscosity	No data available
m) Solubility	Soluble in water
n) Partition coefficient n-octanol/water (log value)	No data available
o) Vapour pressure	No data available
p) Density and/or relative density	0,963 g/cm ³ ± 0,02
q) Relative vapour density	No data available
r) Particle characteristics	Not applicable

9.2. Other information

No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available.

10.2. Chemical stability

The product is stable under normal handling and storage conditions.

10.3. Possibility of hazardous reactions

Absent under normal conditions.

10.4. Conditions to avoid

No additional information available.

10.5. Incompatible materials

No additional information available.

10.6. Hazardous decomposition products

During combustion or thermal decomposition, toxic and irritating product vapors may be released.



MATERIAL SAFETY DATA SHEET

compliant with Regulation (EC) No. 1907/2006 of 18 December 2006 – REACH as amended

Release date: 07.06.2017

Update date: 20.08.2024

Version: 3.0/EN

SECTION 11: Toxicological information

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

11.1.1. Hazard classes for the mixture

- a) Acute toxicity of the mixture
 Oral: no data available.
 Inhalation: no data available.
 Dermal: no data available.

Prallethrin (ISO)	
LD ₅₀ oral (rat)	460 mg/kg
LD ₅₀ dermal (rat)	>2000 mg/kg
LC ₅₀ inhalation (rat)	>0465 mg/dm ³
2,6-di-tert-butyl-p-cresol	
LD ₅₀ oral (rat)	>2000 mg/kg
LD ₅₀ dermal (rabbit)	>2000 mg/kg

- b) Skin corrosion/irritation Based on available data, the classification criteria are not met
 c) Serious eye damage/eye irritation Based on available data, the classification criteria are not met
 d) Respiratory or skin sensitization Based on available data, the classification criteria are not met
 e) Mutagenic effect on reproductive cells Based on available data, the classification criteria are not met
 f) Carcinogenic effect Based on available data, the classification criteria are not met
 g) Reproductive toxicity Based on available data, the classification criteria are not met
 h) Specific target organ toxicity – single exposure Based on available data, the classification criteria are not met
 i) Specific target organ toxicity - 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

The product does not contain substances included in the list established in accordance with Article 59(1) with endocrine disrupting properties or 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

SECTION 11: Toxicological information

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

11.1.1. Hazard classes for the mixture

- a) Acute toxicity of the mixture
 Oral: no data available.
 Inhalation: no data available.
 Dermal: no data available.
- b) Skin corrosion/irritation no data available
 c) Serious eye damage/eye irritation no data available
 d) Respiratory or skin sensitization no data available
 e) Mutagenic effect on reproductive cells no data available
 f) Carcinogenic effect no data available
 g) Reproductive toxicity no data available
 h) Specific target organ toxicity – single exposure no data available
 i) Specific target organ toxicity - repeated exposure no data available
 j) Aspiration hazard no data available

11.1.2. Toxicological data of the substances in the mixture.

Prallethrin (ISO)	
a) Acute toxicity	
LD ₅₀ oral (rat)	460 mg/kg
LD ₅₀ dermal (rat)	>2000 mg/kg
LC ₅₀ inhalation (rat)	>0,465 mg/dm ³

- b) Skin corrosion/irritation No data available.
 c) Serious eye damage/eye irritation No data available.
 d) Respiratory or skin sensitization No data available.
 e) Mutagenic effect on reproductive cells No data available.
 f) Carcinogenic effect No data available.
 g) Reproductive toxicity No data available.
 h) Specific target organ toxicity – single exposure No data available.
 i) Specific target organ toxicity - repeated exposure No data available.
 j) Aspiration hazard No data available.



MATERIAL SAFETY DATA SHEET

compliant with Regulation (EC) No. 1907/2006 of 18 December 2006 – REACH as amended

Release date: 07.06.2017

Update date: 20.08.2024

Version: 3.0/EN

11.1.3. Summary of results

No data available.

11.1.4. Other hazard classes

No data available.

11.1.5. Information on likely routes of exposure

No data available.

11.1.6. Symptoms related to the physical, chemical and toxicological characteristics

No data available.

11.1.7. Delayed and immediate effects as well as chronic effects from short and long-term exposure

No data available.

11.1.8. Interactive effects

No data available.

11.1.9. Absence of specific data

No data available.

11.1.10. Mixtures

Toxicological data on mixture components in section 11.1.2.

11.1.11. Mixture versus substance information

11.1.11.1. Interaction of substances in a mixture

No data available.

11.1.11.2. Data on the toxicology of the mixture components

In section 11.1.2.

11.2. Information on other hazards

The product does not contain substances included in the list established in accordance with Art. 59 sec. 1, with endocrine disrupting properties and 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.

SECTION 12: Ecological information

12.1. Toxicity

Toxicity of the mixture: Toxic to aquatic life with long lasting effects.

Toxicity of ingredients:

Prallethrin (ISO)	
LC ₅₀ for fish	0,0176 mg/l/96h (<i>Brachydanio rerio</i>)
EC ₅₀ for crustaceans	0,019 mg/l/48h (<i>Daphnia magna</i>)
EC ₅₀ for algae	2,6 mg/l/72h (<i>Scenedesmus subspicatus</i>)
NOEC for chronic toxicity to algae	2,6 mg/l/72h (<i>Scenedesmus subspicatus</i>)
2,6-di-tert-butyl-p-cresol	
LC ₅₀ for fish	> 0,57 mg/l 96h (<i>Brachydanio rerio</i>)
EC ₅₀ for crustaceans	> 0,31mg/l/48h (<i>Daphnia magna</i>)
EC ₅₀ for algae	0,758 mg/l/96h

12.2. Persistence and degradability

Abiotic degradation	No data available
Physical and photochemical elimination	No data available
Biodegradability	No data available

12.3. Bioaccumulative potential

Prallethrin (ISO)	
n-octanol-water partition coefficient	> 2,78
BCF	46
2,6-di-tert-butyl-p-cresol	
n-octanol-water partition coefficient	5,1



MATERIAL SAFETY DATA SHEET

compliant with Regulation (EC) No. 1907/2006 of 18 December 2006 – REACH as amended

Release date: 07.06.2017

Update date: 20.08.2024

Version: 3.0/EN

12.4. Mobility in soil

Prallethrin (ISO)	
logK	3.12

12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances in a percentage greater than 0.1%.

12.6. Endocrine disrupting properties

The mixture does not contain any substances that are suspected of having endocrine-disrupting properties.

12.7. Other adverse effects

No additional information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product

Removal methods:

The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product should not be disposed of via the sewer but should be treated in an appropriate treatment plant. Surplus and non-recyclable products should be disposed of via a licensed waste disposal contractor. Disposal of this product, solutions, or by-products should always comply with environmental protection and waste disposal legislation, as well as local authority requirements. Dispose of contents/container in appropriately labeled hazardous or special waste containers in accordance with national regulations.

Waste code :

Proposed code: 16 05 07* (discarded inorganic chemicals containing hazardous substances).

Packaging

Removal methods:

Waste generation should be avoided or minimized wherever possible. Only completely emptied packaging waste should be recycled.

Special precautions:

Dispose of the product and its packaging safely. Empty containers or their linings may retain product residues. Avoid release of spilled or scattered material, its runoff or spread to soil, surface and groundwater, drains, and sewers. The product and empty containers are subject to selective waste collection.

Packaging waste code:

Proposed code: 15 01 02 (plastic packaging).

Community legal acts:

Directive 2018/851, Directive 2018/852

National legal acts:

Act of June 13, 2013, on the management of packaging and packaging waste (consolidated text: Journal of Laws of 2024, item 927).

Act of December 14, 2012, on waste (consolidated text: Journal of Laws of 2021, item 779).

Regulation of the Minister of Climate of January 2, 2020, on the waste catalogue (Journal of Laws of 2020, item 10).

SECTION 14: Transport Information

ADR	IMDG	IATA	ADN	RID
14.1. UN Number or ID Number				
UN 3082	UN 3082	UN 3082	UN 3082	UN 3082
14.2. UN proper shipping name				
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Description of the transport document				
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PRALLETHRIN) N.O.S., 9, III, (E)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PRALLETHRIN) N.O.S., 9, III, (E)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PRALLETHRIN) N.O.S., 9, III, (E)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PRALLETHRIN) N.O.S., 9, III, (E)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PRALLETHRIN) N.O.S., 9, III, (E)
14.3. Transport hazard class(es)				
9	9	9	9	9



MATERIAL SAFETY DATA SHEET

compliant with Regulation (EC) No. 1907/2006 of 18 December 2006 – REACH as amended

Release date: 07.06.2017

Update date: 20.08.2024

Version: 3.0/EN

14.4. Packing group				
III	III	III	III	III
14.5. Environmental hazards				
Yes	Yes	Yes	Yes	Yes
14.6. Special precautions for users				
They are not known				
14.7. Maritime transport in bulk according to IMO instruments				
Not rated				
Transport/further information				
Limited quantities LQ ≤ 5 l				

SECTION 15: Regulatory Information

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

15.1.1. EU regulations

Regulation (EC) No 1907/2006 of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) 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.

Regulation (EC) No 1272/2008 of 16 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.

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 Chemicals (REACH).

Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products.

Commission Delegated Regulation (EU) 2017/2100 of 4 September 2017 establishing scientific criteria for the determination of endocrine-disrupting properties pursuant to Regulation (EU) No 528/2012 of the European Parliament and of the Council.

Commission Regulation (EU) 2018/605 of 19 April 2018 amending Annex II to Regulation (EC) No 1107/2009 by establishing scientific criteria for the determination of endocrine disrupting properties.

Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC.

Directive (EU) 2018/851 of the European Parliament and of the Council of 30 May 2018 on waste.

Directive (EU) 2018/852 of the European Parliament and of the Council of 30 May 2018 on packaging and packaging waste.

15.1.2. National regulations (Poland)

Act on substances and their mixtures of 25 February 2011 (consolidated text: Journal of Laws of 2022, item 1816).

Regulation of the Minister of Labour and Social Policy of 12 June 2018 on the highest permissible concentrations and intensities of factors harmful to health in the work environment. (Journal of Laws of 2018, item 1286, as amended).

Act of 14 December 2012 on waste (consolidated text: Journal of Laws of 2023, item 1887).

Act of 13 June 2013 on the management of packaging and packaging waste (consolidated text: Journal of Laws of 2024, item 927).

Government Statement of 15 February 2021 on the entry into force of amendments to Annexes A and B to the Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), done at Geneva on 30 September 1957 (consolidated text: Journal of Laws of 2021, item 874, as amended).

Regulation of the Minister of Climate of 2 January 2020 on the waste catalogue (Journal of Laws 2020, item 10).

Act of 19 August 2011 on the transport of dangerous goods (consolidated text: Journal of Laws of 2021, item 756, as amended).

Classification of dangerous goods according to the European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR).

Regulation of the Minister of Labor and Social Policy of 26 September 1997 on general occupational health and safety regulations (Journal of Laws 2003 No. 169 item 1650, as amended)

Regulation of the Minister of Health of 30 December 2004 on occupational health and safety related to the presence of chemical factors in the workplace (consolidated text: Journal of Laws of 2016, item 1488, as amended).

Regulation of the Minister of Health of 24 July 2012 on substances, preparations, factors or technological processes with carcinogenic or mutagenic effects in the work environment (consolidated text: Journal of Laws of 2024, item 156).

15.2. Chemical safety assessment

The supplier has not carried out a chemical safety assessment for the substance/mixture.

SECTION 16: Other information

Full text of H and EUH statements

H302	Harmful if swallowed.
H331	Toxic if inhaled
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.



MATERIAL SAFETY DATA SHEET

compliant with Regulation (EC) No. 1907/2006 of 18 December 2006 – REACH as amended

Release date: 07.06.2017

Update date: 20.08.2024

Version: 3.0/EN

Abbreviations and acronyms

Acute Tox. 3	Acute toxicity, Hazard Category 3
Acute Tox. 4	Acute toxicity, Hazard Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — AcuteHazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
EC number	I.e. EINECS, ELINCS or NLP, is the official number of a given substance in the European Union
CAS number	A numerical designation assigned to a chemical substance by the American Chemical Abstracts Service.
PBT	Marking persistent, bioaccumulative and toxic substances
vPvB	Marking of very persistent substances with a very high bioaccumulation potential
LD ₅₀	Lethal dose for 50% of the study population (median lethal dose)
LC ₅₀	Lethal concentration for 50% of the study population
NDS	Highest permissible concentration
NDSch	Maximum allowable momentary concentration
NDSP	Highest permissible ceiling concentration
DNEL	Derived no-change level
NOAEL	The highest dose of a substance at which no side effects are observed
PNEC	Predicted No Effect Concentration in the environment
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
IATA	International Air Transport Association
IMDG	International maritime transport of dangerous goods
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
RID	Regulations for the international carriage of dangerous goods by rail

Changes made to the card

Safety data sheet update in accordance with Commission Regulation (EU) 2020/878. Sections 8, 12, and 15. Version 3 replaces all previous versions.

Key Literature and Data Sources

Annex to Regulation (EU) 2020/878 of 18 June 2020
The legal provisions cited in section 15 of the Charter.
Information from the Office for Chemical Substances.
Safety data sheets of manufacturers of substances and mixtures.

Training Recommendations

Before working with this product, employees must undergo occupational health and safety training related to the presence of chemical agents in the work environment. Conduct, document, and familiarize employees with the results of an occupational risk assessment for the workplace associated with the presence of chemical agents.

Additional information

The information contained in this safety data sheet applies only to the product listed in the title. The data contained in this data sheet should be considered solely as an aid to the safe use of the product. Since the conditions of storage, transport, and use are beyond our control, they cannot constitute a legal guarantee. Statutory regulations and any third-party rights must be observed in all cases. This data sheet does not constitute an assessment of workplace hazards. The product should not be used for purposes other than those specified in Section 1 without prior consultation with the manufacturer.

End of document