

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 19.01.2022

Version number 9 (replaces version 8)

Revision: 19.01.2022

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

- **1.1 Product identifier**
- **Trade name:** Tetra Pond Algofin
- **Article number:** 821.224
- **Registration number** HSE7695
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Product category** PC8 Biocidal products
- **Application of the substance / the mixture** Care product for garden ponds
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Tetra GmbH
Herrenteich 78
D-49324 Melle
Germany
- **Importer**
Spectrum Brands (UK) Ltd.
Fir Street, Failsworth, Manchester, M35 0HS
England
+44 (161) 9473000
- **Informing department:**
Regulatory Department
Tel. +49(0)5422-105-0
email: MSDS@eu.spectrumbrands.com
- **1.4 Emergency telephone number:**
24-hour-Emergency-Telephone-Number (Company/Contract ID code: "TTR")
+1 872 5888271
National Health Service (NHS): 111

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms** GHS09
- **Signal word** Void
- **Hazard statements**
H411 Toxic to aquatic life with long lasting effects.
- **Precautionary statements**
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read carefully and follow all instructions.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Additional information:**
Contains 1,3,5-tris(2-hydroxyethyl)hexahydro-1,3,5-triazine. May produce an allergic reaction.

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- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** no
- **vPvB:** no
- **Determination of endocrine-disrupting properties** no

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Aqueous solution comprising several components.

· **Dangerous components:**

CAS: 1746-81-2 EINECS: 217-129-5	Monolinuron STOT RE 2, H373; Aquatic Acute 1, H400 (M=1); Aquatic Chronic 1, H410 (M=10); Acute Tox. 4, H302	0.75%
CAS: 4719-04-4 EINECS: 225-208-0 Reg.nr.: 01-2119529226-41-XXXX	1,3,5-tris(2-hydroxyethyl)hexahydro-1,3,5-triazine Acute Tox. 2, H330; STOT RE 1, H372; Acute Tox. 4, H302; Eye Irrit. 2, H319; Skin Sens. 1, H317 Specific concentration limit: Skin Sens. 1; H317: C ≥ 0.1 %	0.088%

· **SVHC**

- This product does not contain any substances of very high concern pursuant to Reach Regulation (EC) No. 1907/2006 (Art. 57) above the legal concentration limit of ≥ 0.1% (w/w).
- **Additional information** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact** The product is not skin irritating.
- **After eye contact** Rinse opened eye for several minutes under running water.
- **After swallowing** In case of persistent symptoms consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
- **6.2 Environmental precautions:**
Inform respective authorities in case product reaches water or sewage system.
Do not allow to enter drainage system, surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of contaminated material as waste according to item 13.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.

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See Section 13 for information on disposal.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Storage class 12**
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

- **Components with limit values that require monitoring at the workplace:**

57-55-6 Propylene glycol

WEL	Long-term value: 474* 10** mg/m ³ , 150* ppm
	*total vapour and particulates **particulates

- **Additional information:** The lists that were valid during the compilation were used as basis.
- **8.2 Exposure controls**
- **Appropriate engineering controls** No further data; see item 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures** Wash hands during breaks and at the end of the work.
- **Breathing equipment:** Not required.
- **Hand protection**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN374, e.g. KCL 740 Dermatril® (full contact), KCL 740 Dermatril® (splash contact).
- **Material of gloves**
Nitrile rubber, NBR
Recommended thickness of the material: ≥ 0.11 mm
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
For the mixture the penetration time has to be at least 480 minutes (permeation according to EN 374 Part 3: Level 6).
- **Eye/face protection** Safety glasses recommended during refilling.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

- | | |
|---------------------------|-----------------|
| · Physical state | Fluid |
| · Colour: | Green |
| · Odour: | slightly mouldy |
| · Odour threshold: | Not determined. |

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· Melting point/freezing point:	-5 bis 5 °C
· Boiling point or initial boiling point and boiling range	100 °C (7732-18-5 water, distilled, conductivity or of similar purity)
· Flammability	Not applicable.
· Lower and upper explosion limit	
· Lower:	Not determined.
· Upper:	Not determined.
· Flash point:	Not applicable
· Self-inflammability:	Product is not selfigniting.
· Decomposition temperature:	Not determined.
· pH at 20 °C	9.5
· Viscosity:	
· Kinematic viscosity at 20 °C	100-250 mm ² /s
· dynamic at 20 °C:	100-250 mPas
· Solubility	
· Water:	Soluble
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure at 20 °C:	23 hPa (7732-18-5 water, distilled, conductivity or of similar purity)
· Density and/or relative density	
· Density at 20 °C	1.0087 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.

· 9.2 Other information	
· Appearance:	
· Form:	Fluid
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	371 °C (57-55-6 Propylene glycol)
· Explosive properties:	Product is not explosive.
· Solvent content:	
· Organic solvents:	10.2 %
· Water:	88.2 %
· Solids content:	1.4 %
· Change in condition	
· Evaporation rate	Not determined.

· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void

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· **Desensitised explosives**

Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values that are relevant for classification:**

1746-81-2 Monolinuron

Oral	LD50	1,430 mg/kg (rat) (females, pre-guideline, Non-GLP)
Dermal	LD50	>2,000 mg/kg (rat) (EPA Subdivision F, (1982, revised Nov 1984), GLP)

4719-04-4 1,3,5-tris(2-hydroxyethyl)hexahydro-1,3,5-triazine

Oral	LD50	1,000 mg/kg (Rat)
Dermal	LD50	>4,000 mg/kg (Rat)
Inhalative	LC50/4 h	0.371 mg/l (Rat)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **11.2 Information on other hazards**

· **Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information

· **12.1 Toxicity**· **Aquatic toxicity:**

1746-81-2 Monolinuron

NOEC	0.008 mg/l (Algae) (OECD 201, GLP)
	0.56 mg/l (Daphnia Magna) (OECD 202, GLP)
	5 mg/l (Oncorhynchus mykiss) (OECD 204, GLP, Expositionsdauer 21 Tage)
EC50/48 h	32.5 mg/l (Daphnia Magna) (Leaflet no.33 (BBA), Non-GLP)
EC50/72 h	0.129 mg/l (Algae) (OECD 201, GLP)
LC50/96 h	56-75 mg/l (Salmo Gairdneri) (Leaflet no.33 (BBA), Non-GLP)

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LC50/96 h 16.07 mg/l (Danio rerio (Zebraabärbling))

EC50/48 h 11.9 mg/l (Daphnia Magna)

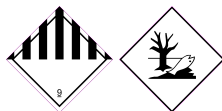
EC50/72 h 6.66 mg/l (Algae)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
 - **PBT:** The substances in the mixture do not meet the PBT criteria according to REACH, annex XIII.
 - **vPvB:** The substances in the mixture do not meet the vPvB criteria according to REACH, annex XIII.
- **12.6 Endocrine disrupting properties**
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Remark:** Harmless to fish up to the tested concentration
- **Additional ecological information:**
- **General notes:**
Water danger class 3 (German Regulation) (Self-assessment): extremely hazardous for water.
Do not allow product to reach ground water, water bodies or sewage system, even in small quantities.
Danger to drinking water if even extremely small quantities leak into soil.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Waste disposal key number:** Waste key numbers are to be determined according to the specific process.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- **14.1 UN number or ID number**
- **ADR, IMDG, IATA** UN3082
- **14.2 UN proper shipping name**
- **ADR** 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Monolinuron)
- **IMDG** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Monolinuron), MARINE POLLUTANT
- **IATA** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Monolinuron)
- **14.3 Transport hazard class(es)**
- **ADR, IMDG, IATA**
- 
- **Class** 9 Miscellaneous dangerous substances and articles.
- **Label** 9

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· 14.4 Packing group · ADR, IMDG, IATA	III
· 14.5 Environmental hazards: · Marine pollutant: · Special marking (ADR): · Special marking (IATA):	Symbol (fish and tree) Symbol (fish and tree) Symbol (fish and tree)
· 14.6 Special precautions for user · Kemler Number: · EMS Number:	Warning: Miscellaneous dangerous substances and articles. 90 F-A,S-F
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information:	
· ADR · Limited quantities (LQ) · Transport category · Tunnel restriction code · Remarks:	5L 3 (-) Special Provision 375
· IMDG · Limited quantities (LQ) · Remarks:	5L Marine Pollutant 2.10.2.7
· IATA · Remarks:	Transport in accordance with SP A197
· UN "Model Regulation":	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (MONOLINURON), 9, III

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms** GHS09
- **Signal word** Void
- **Hazard statements**
H411 Toxic to aquatic life with long lasting effects.
- **Precautionary statements**
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read carefully and follow all instructions.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category** E1 Hazardous to the Aquatic Environment
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

· Regulation (EU) No 649/2012

1746-81-2 Monolinuron

Annex I Part I

· DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

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· **REGULATION (EU) 2019/1148**· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

· **National regulations**· **Technical instructions (air):**

Class	Share in %
NK	10.2

· **Water hazard class:** Water danger class 3 (Self-assessment): extremely hazardous for water.· **Other regulations, limitations and prohibitive regulations**

Biocides regulation (EU) No 528/2012:

The product falls within the scope of the Biocides regulation.

PT 2: Disinfectants and algacides not intended for direct application to humans or animals.

· **Substances of very high concern (SVHC) according to REACH, Article 57**This product does not contain any substances of very high concern pursuant to Reach Regulation (EC) No. 1907/2006 (Art. 57) above the legal concentration limit of $\geq 0.1\%$ (w/w).· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

H302 Harmful if swallowed.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H330 Fatal if inhaled.

H372 Causes damage to organs through prolonged or repeated exposure.

H373 May cause 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 according to Regulation (EC) No 1272/2008**

Hazardous to the aquatic environment - long-term (chronic) aquatic hazard

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

· **Department issuing data specification sheet:**

Tetra GmbH
Herrenteich 78
49324 Melle
Germany

· **Contact:**

Tetra GmbH
Tel.: +49(0)5422105-0

· **Date of previous version:** 19.01.2022· **Version number of previous version:** 8

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· Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity – Category 4

Acute Tox. 2: Acute toxicity – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

· * Data compared to the previous version altered.

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