

**MINI POOL&SPA\_MONTHLY SET\_0,6KG\_714800 - 1199011**

**SAFETY DATA SHEET**

(REACH regulation (EC) n° 1907/2006 - n° 2020/878)

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

**1.1. Product identifier**

Product name : MINI POOL&SPA\_MONTHLY SET\_0,6KG\_714800

Product code : 1199011.

UFI : NSMU-D1N8-A208-N6KW

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

Algicide for treatment of pool water.

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

Registered company name : BAYROL Deutschland GmbH (UK).

Address : Robert-Koch-Straße 4.82152.Planegg.GERMANY.

Telephone : +49 (0) 89 857 01-0. Fax : +49 (0) 89 857 01-276.

sds@bayrol.eu

www.bayrol.de

United Kingdom Legal Entity : Holt Lloyd International Limited Unit 100, Barton Dock RoadStretford, Manchester M32 0YQ

**1.4. Emergency telephone number : (+44)(0)1865407333.**

Association/Organisation : NCEC.

**Other emergency numbers**

Ireland : National Poisons Information Centre (+353)(0)18092166

Eitrunarmiðstöð Landsþítalans (Icelandic University Hospital): 00 354 543 22 22

**SECTION 2 : HAZARDS IDENTIFICATION**

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

**In compliance with EC regulation No. 1272/2008 and its amendments.**

Hazardous to the aquatic environment - Acute hazard, Category 1 (Aquatic Acute 1, H400).

Hazardous to the aquatic environment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present a health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).

**2.2. Label elements**

Biocidal mixture (see section 15).

**In compliance with EC regulation No. 1272/2008 and its amendments.**

Hazard pictograms :



GHS09

Signal Word :

WARNING

Hazard statements :

H410

Very toxic to aquatic life with long lasting effects.

Precautionary statements - General :

P101

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

P102

Keep out of reach of children.

Precautionary statements - Prevention :

P280

Wear protective gloves/eye protection

Precautionary statements - Response :

P308 + P311

IF exposed or concerned: Call a POISON CENTER/doctor/...

Precautionary statements - Disposal :

P501

Dispose of contents/ container to an approved waste disposal plant.

**MINI POOL&SPA\_MONTHLY SET\_0,6KG\_714800 - 1199011**

### 2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC)  $\geq 0.1\%$  published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

The mixture does not contain substances  $\geq 0.1\%$  with endocrine disrupting properties in accordance with the criteria of the Delegated Regulation (EU) 2017/2100 of the Commission or Regulation (EU) 2018/605 of the Commission.

## SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

#### Composition :

Identification	(EC) 1272/2008	Note	%
CAS: 26062-79-3  2-PROPEN-1-AMINIUM, N,N-DIMETHYL-N-2-PROPENYL-, CHLORIDE, HOMOPOLYMER	Aquatic Chronic 3, H412		10 $\leq$ x % $< 25$
CAS: 25988-97-0  METHANAMINE, N-METHYL-, POLYMER WITH (CHLOROMETHYL)OXIRANE	GHS07, GHS09 Wng Acute Tox. 4, H302 Aquatic Acute 1, H400 M Acute = 10 Aquatic Chronic 1, H410 M Chronic = 1		4 %

#### Specific concentration limits:

Identification	Specific concentration limits	ATE
CAS: 25988-97-0  METHANAMINE, N-METHYL-, POLYMER WITH (CHLOROMETHYL)OXIRANE		oral: ATE = 1150 mg/kg BW

#### Information on ingredients :

(Full text of H-phrases: see section 16)

## SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

### 4.1. description of first aid measures

#### In the event of splashes or contact with eyes :

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.

If there is any redness, pain or visual impairment, consult an ophthalmologist.

#### In the event of splashes or contact with skin :

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

In case of contact with skin wash off immediately with plenty of water.

Remove contaminated soaked clothing immediately.

#### In the event of swallowing :

Seek medical attention, showing the label.

Rinse out mouth and give plenty of water to drink

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

No data available.

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

#### Information for the doctor :

Treat symptoms.

## SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

### 5.1. Extinguishing media

#### Suitable methods of extinction

**MINI POOL&SPA\_MONTHLY SET\_0,6KG\_714800 - 1199011**

In the event of a fire, use :

- water
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO<sub>2</sub>)
- dry sand

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

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO<sub>2</sub>)
- nitrogen oxide (NO)

**5.3. Advice for firefighters**

Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply. Wear full protective clothing.

Additional information

Cool endangered containers with water spray jet. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

**SECTION 6 : ACCIDENTAL RELEASE MEASURES**

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

Consult the safety measures listed under headings 7 and 8.

**For first aid worker**

First aid workers will be equipped with suitable personal protective equipment (See section 8).

**6.2. Environmental precautions**

Prevent any material from entering drains or waterways.

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

Retrieve the product by mechanical means (sweeping/vacuuming).

**6.4. Reference to other sections**

Safe handling: see section 7

Emergency telephone number: see section 1

Personal protection equipment: see section 8

Disposal: see section 13

**SECTION 7 : HANDLING AND STORAGE**

Requirements relating to storage premises apply to all facilities where the mixture is handled.

**7.1. Precautions for safe handling**

Always wash hands after handling.

**Fire prevention :**

Prevent access by unauthorised personnel.

**Recommended equipment and procedures :**

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

**Prohibited equipment and procedures :**

No smoking, eating or drinking in areas where the mixture is used.

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

Do not store together with food.

**Storage**

Keep out of reach of children.

Storage: cool and dry

Protect from sun.

Storage stability

Storage time: 5 years.

**MINI POOL&SPA\_MONTHLY SET\_0,6KG\_714800 - 1199011**

**Packaging**

Always keep in packaging made of an identical material to the original.

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

See section 1.2

**SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. Control parameters**

No data available.

**8.2. Exposure controls**

**Personal protection measures, such as personal protective equipment**

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

**- Eye / face protection**

Avoid contact with eyes.

Before handling powders or dust emission, wear mask goggles in accordance with standard EN166.

**- Hand protection**

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Type of gloves recommended :

- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))

- Butyl Rubber (Isobutylene-isoprene copolymer)

Recommended properties :

Suitable materials (recommended: protection index 6, >480 minutes permeation time according to EN 374)

Nitrile-butadiene rubber (NBR) - 0.4 mm layer thickness

Butyl rubber (butyl) - 0.7mm layer thickness

In view of the many different types, the manufacturers' directions for use must be followed

**- Body protection**

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

**- Respiratory protection**

Avoid inhaling dust.

Type of FFP mask :

Wear a disposable half-mask dust filter in accordance with standard EN149/A1.

**SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**

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

**Physical state**

Physical state : Solid in granules.

**Colour**

blue

**Odour**

Odour threshold : Not stated.  
characteristic

**Melting point**

Melting point/melting range : Not specified.

**Freezing point**

Freezing point / Freezing range : Not stated.

**Boiling point or initial boiling point and boiling range**

Boiling point/boiling range : Not specified.

**MINI POOL&SPA\_MONTHLY SET\_0,6KG\_714800 - 1199011**

**Flammability**

Flammability (solid, gas) : Not stated.

**Lower and upper explosion limit**

Explosive properties, lower explosivity limit (%) : Not stated.

Explosive properties, upper explosivity limit (%) : Not stated.

**Flash point**

Flash point interval : Not relevant.

**Auto-ignition temperature**

Self-ignition temperature : Not specified.

**Decomposition temperature**

Decomposition point/decomposition range : Not specified.

**pH**

pH : 7.00 .  
Neutral.

pH (aqueous solution) : 7 à 10 g/L - 20°C

**Kinematic viscosity**

Viscosity : Not stated.

**Solubility**

Water solubility : Soluble.

Fat solubility : Not stated.

**Partition coefficient n-octanol/water (log value)**

Partition coefficient: n-octanol/water : Not stated.

**Vapour pressure**

Vapour pressure (50°C) : Not relevant.

**Density and/or relative density**

Density : Not stated.

**Relative vapour density**

Vapour density : Not stated.

**9.2. Other information**

No data available.

**9.2.1. Information with regard to physical hazard classes**

No data available.

**9.2.2. Other safety characteristics**

No data available.

**SECTION 10 : STABILITY AND REACTIVITY**

**10.1. Reactivity**

No data available.

**10.2. Chemical stability**

This mixture is stable under the recommended handling and storage conditions in section 7.

**10.3. Possibility of hazardous reactions**

No data available.

**10.4. Conditions to avoid**

Avoid :

- formation of dusts

**10.5. Incompatible materials**

Keep away from :

- strong oxidising agents

**10.6. Hazardous decomposition products**

The thermal decomposition may release/form :

- carbon monoxide (CO)

- carbon dioxide (CO<sub>2</sub>)

**MINI POOL&SPA\_MONTHLY SET\_0,6KG\_714800 - 1199011**

**SECTION 11 : TOXICOLOGICAL INFORMATION**

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

No data available.

**11.1.1. Substances**

**Acute toxicity :**

METHANAMINE, N-METHYL-, POLYMER WITH (CHLOROMETHYL)OXIRANE (CAS: 25988-97-0)

Oral route : LD50 = 1150 mg/kg  
Species : Rat  
OECD Guideline 401 (Acute Oral Toxicity)

Dermal route : LD50 > 2000 mg/kg  
Species : Rat  
OECD Guideline 402 (Acute Dermal Toxicity)

2-PROPEN-1-AMINIUM, N,N-DIMETHYL-N-2-PROPENYL-, CHLORIDE, HOMOPOLYMER (CAS: 26062-79-3)

Oral route : LD50 > 2000 mg/kg  
Species : Rat

Dermal route : LD50 > 2000 mg/kg  
Species : Rabbit

**Skin corrosion/skin irritation :**

METHANAMINE, N-METHYL-, POLYMER WITH (CHLOROMETHYL)OXIRANE (CAS: 25988-97-0)

Species : Rabbit  
OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Species : Rabbit  
OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

**Serious damage to eyes/eye irritation :**

METHANAMINE, N-METHYL-, POLYMER WITH (CHLOROMETHYL)OXIRANE (CAS: 25988-97-0)

Species : Rabbit  
OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Species : Rabbit  
OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Species : Rabbit  
OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Species : Rabbit  
OECD Guideline 405 (Acute Eye Irritation / Corrosion)

**Respiratory or skin sensitisation :**

METHANAMINE, N-METHYL-, POLYMER WITH (CHLOROMETHYL)OXIRANE (CAS: 25988-97-0)

Guinea Pig Maximisation Test (GMPT) : Non-sensitiser.  
OECD Guideline 406 (Skin Sensitisation)

**Germ cell mutagenicity :**

METHANAMINE, N-METHYL-, POLYMER WITH (CHLOROMETHYL)OXIRANE (CAS: 25988-97-0)

Mutagenesis (in vivo) : Negative.  
Species : Mouse  
OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)

Mutagenesis (in vitro) : Negative.  
OECD Guideline 471 (Bacterial Reverse Mutation Assay)

Ames test (in vitro) : Negative.

**MINI POOL&SPA\_MONTHLY SET\_0,6KG\_714800 - 1199011**

With or without metabolic activation.

**Carcinogenicity :**

METHANAMINE, N-METHYL-, POLYMER WITH (CHLOROMETHYL)OXIRANE (CAS: 25988-97-0)

Carcinogenicity Test :

Negative.

No carcinogenic effect.

Species : Rat

OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)

**Reproductive toxicant :**

METHANAMINE, N-METHYL-, POLYMER WITH (CHLOROMETHYL)OXIRANE (CAS: 25988-97-0)

Study on fertility :

Species : Rabbit

OECD Guideline 414 (Prenatal Developmental Toxicity Study)

Study on development :

Species : Rat

OECD Guideline 416 (Two-Generation Reproduction Toxicity Study)

t 100, Ba  
Stretford,

**Specific target organ systemic toxicity - repeated exposure :**

METHANAMINE, N-METHYL-, POLYMER WITH (CHLOROMETHYL)OXIRANE (CAS: 25988-97-0)

Oral route :

C = 30 mg/kg bodyweight/day

Species : Rat

Duration of exposure : 90 days

OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)

**11.1.2. Mixture**

No toxicological data available for the mixture.

**11.2. Information on other hazards**

**SECTION 12 : ECOLOGICAL INFORMATION**

Very toxic to aquatic life with long lasting effects.

The product must not be allowed to run into drains or waterways.

**12.1. Toxicity**

**12.1.1. Substances**

METHANAMINE, N-METHYL-, POLYMER WITH (CHLOROMETHYL)OXIRANE (CAS: 25988-97-0)

Fish toxicity :

LC50 = 0.077 mg/l

Factor M = 10

Species : Oncorhynchus mykiss

Duration of exposure : 96 h

OECD Guideline 203 (Fish, Acute Toxicity Test)

NOEC = 0.024 mg/l

Factor M = 1

Species : Oncorhynchus mykiss

Duration of exposure : 28 days

OECD Guideline 215 (Fish, Juvenile Growth Test)

Crustacean toxicity :

EC50 = 0.08 mg/l

Factor M = 10

Species : Daphnia magna

Duration of exposure : 48 h

OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

NOEC = 0.026 mg/l

Factor M = 1

Species : Daphnia magna

Duration of exposure : 21 days

OECD Guideline 211 (Daphnia magna Reproduction Test)

Algae toxicity :

ECr50 = 0.13 mg/l

**MINI POOL&SPA\_MONTHLY SET\_0,6KG\_714800 - 1199011**

Factor M = 1  
Species : *Desmodesmus subspicatus*  
Duration of exposure : 72 h  
OECD Guideline 201 (Alga, Growth Inhibition Test)

NOEC = 0.032 mg/l  
Factor M = 1  
Species : *Desmodesmus subspicatus*  
OECD Guideline 201 (Alga, Growth Inhibition Test)

**12.1.2. Mixtures**

No aquatic toxicity data available for the mixture.

**12.2. Persistence and degradability**

Degradability The product can be largely eliminated from the water by abiotic processes, e.g. adsorption to activated sludge.

**12.2.1. Substances**

METHANAMINE, N-METHYL-, POLYMER WITH (CHLOROMETHYL)OXIRANE (CAS: 25988-97-0)

Biodegradability : Non-rapidly degradable.

**12.3. Bioaccumulative potential**

No data available.

**12.4. Mobility in soil**

No data available.

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

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

**12.6. Endocrine disrupting properties**

No data available.

**12.7. Other adverse effects**

Behaviour in sewage plant When low concentrations are discharged correctly into adapted biological sewage treatment plants, interference with the degradation activity of activated sludge is not likely.

**SECTION 13 : DISPOSAL CONSIDERATIONS**

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

**13.1. Waste treatment methods**

Do not pour into drains or waterways.

**Waste :**

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

**Soiled packaging :**

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

**SECTION 14 : TRANSPORT INFORMATION**

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2021 - IMDG 2020 [40-20] - ICAO/IATA 2022 [63]).

**14.1. UN number or ID number**

3077

**14.2. UN proper shipping name**

UN3077=ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

(methanamine, n-methyl-, polymer with (chloromethyl)oxirane)



**MINI POOL&SPA\_MONTHLY SET\_0,6KG\_714800 - 1199011****14.3. Transport hazard class(es)**

- Classification :



9

**14.4. Packing group**

III

**14.5. Environmental hazards**

- Environmentally hazardous material :

**14.6. Special precautions for user**

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	9	M7	III	9	90	5 kg	274 335 375 601	E1	3	-

Not subject to this regulation if Q ≤ 5 l / 5 kg (ADR 3.3.1 - DS 375)

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ	Stowage Handling	Segregation
	9	-	III	5 kg	F-A, S-F	274 335 966 967 969	E1	Category A SW23	-

Not subject to this regulation if Q ≤ 5 l / 5 kg (IMDG 3.3.1 - 2.10.2.7)

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	9	-	III	956	400 kg	956	400 kg	A97 A158 A179 A197 A215	E1
	9	-	III	Y956	30 kg G	-	-	A97 A158 A179 A197 A215	E1

Not subject to this regulation if Q ≤ 5 l / 5 kg (IATA 4.4.4 - DS A197)

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

Marine pollutant (IMDG 3.1.2.9):(methanamine, n-methyl-, polymer with (chloromethyl)oxirane)

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

No data available.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****- Classification and labelling information included in section 2:**

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2022/692 (ATP 18)

**- Container information:**The mixture does not contain any substance restricted under Annex XVII of Regulation (EC) No. 1907/2006 (REACH):  
<https://echa.europa.eu/substances-restricted-under-reach>.**- Particular provisions :**

No data available.

**- Labelling for biocidal products (Regulation (UE) n° 528/2012) :**

Name	CAS	%	Product-type
METHANAMINE, N-METHYL-, POLYMER WITH (CHLOROMETHYL)OXIRANE	25988-97-0	40.00 g/kg	02

Product-type 2 : Disinfectants and algicides not intended for direct application to humans or animals.

**15.2. Chemical safety assessment**

No data available.

**MINI POOL&SPA\_MONTHLY SET\_0,6KG\_714800 - 1199011**

**SECTION 16 : OTHER INFORMATION**

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

**Wording of the phrases mentioned in section 3 :**

H302	Harmful if swallowed.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

**Abbreviations :**

LD50 : The dose of a test substance resulting in 50% lethality in a given time period.

LC50 : The concentration of a test substance resulting in 50% lethality in a given period.

EC50 : The effective concentration of substance that causes 50% of the maximum response.

ECr50 : The effective concentration of substance that causes 50% reduction in growth rate.

NOEC : The concentration with no observed effect.

REACH : Registration, Evaluation, Authorization and Restriction of Chemical Substances.

ATE : Acute Toxicity Estimate

BW : Body Weight

UFI : Unique formulation identifier.

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

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).

GHS09 : Environment

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.