

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

## CHAMPION WINTERCLEAR

Version 5.0

Print Date 2022/10/31

Revision date / valid from 2022/10/31

MSDS code: MWIN001

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

#### 1.1. Product identifier

Trade name : CHAMPION WINTERCLEAR

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

Use of the Substance/Mixture : Swimming pool water treatment

Uses advised against : At this moment we have not identified any uses advised against

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

Company : Brenntag UK Limited  
Alpha House, Lawnswood Business Park  
GB LS16 6QY Leeds

Telephone : +44 (0) 113 3879 200  
Telefax : +44 (0) 113 3879 280  
E-mail address : msds@brenntag.co.uk

#### 1.4. Emergency telephone number

Emergency telephone number : Emergency only telephone number (open 24 hours):  
+44 (0) 1865 407333 (N.C.E.C. Culham)

### SECTION 2: Hazards identification

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

##### Classification according to Regulation S.I. 2019/720 (GB CLP)

Regulation S.I. 2019/720 (GB CLP)			
Hazard class	Hazard category	Target Organs	Hazard statements
Serious eye damage	Category 1	---	H318
Long-term (chronic) aquatic hazard	Category 2	---	H411


For the full text of the H-Statements mentioned in this Section, see Section 16.

#### Most important adverse effects

**CHAMPION WINTERCLEAR**

Human Health	:	See section 11 for toxicological information.
Physical and chemical hazards	:	See section 9/10 for physicochemical information.
Potential environmental effects	:	See section 12 for environmental information.

**2.2. Label elements****Labelling according to Regulation S.I. 2019/720 (GB CLP)**

Hazard symbols	:	
Signal word	:	Danger
Hazard statements	:	H318 Causes serious eye damage. H411 Toxic to aquatic life with long lasting effects.
Precautionary statements	:	
Prevention	:	P273 Avoid release to the environment. P280 Wear eye protection/ face protection. P264 Wash the contact area thoroughly after handling.
Response	:	P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor. P332 + P313 If skin irritation occurs: Get medical advice/ attention.
Disposal	:	P501 Dispose of contents/ container to an approved waste disposal plant.

**Hazardous components which must be listed on the label:**

II • Etidronic acid

**2.3. Other hazards**

## CHAMPION WINTERCLEAR

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

Hazardous components	Amount [%]	Classification (Regulation S.I. 2019/720 (GB CLP))	
		Hazard class / Hazard category	Hazard statements
<b>Etidronic acid</b>			
CAS-No. : 2809-21-4	>= 1 - < 10	Acute Tox.4 Oral Eye Dam.1	H302
EC-No. : 220-552-8			H318
EU REACH-Reg. No. : 01-2119510391-53-xxxx			
<b>Dimethylamine-epichlorohydrin polymer</b>			
CAS-No. : 25988-97-0	>= 1 - < 10	Acute Tox.4 Oral Aquatic Acute1 Aquatic Chronic1	H302 H400 H410
		<u>M-Factor (Acute aquatic toxicity): 10</u> Acute toxicity estimate Acute oral toxicity: 1865 mg/kg Acute dermal toxicity: 2000.01 mg/kg	

For the full text of the H-Statements mentioned in this Section, see Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- General advice : Take off all contaminated clothing immediately.
- If inhaled : In case of accident by inhalation: remove casualty to fresh air and keep at rest. If breathing is irregular or stopped, administer artificial respiration. Call a physician immediately.

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In case of skin contact	: Wash off immediately with soap and plenty of water. If symptoms call a physician.
In case of eye contact	: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult an eye specialist immediately. Go to an ophthalmic hospital if possible.
If swallowed	: Rinse mouth with water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician immediately.

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

Symptoms	: There may be mild irritation at the site of contact. May irritate eyes. See Section 11 for more detailed information on health effects and symptoms.
Effects	: See Section 11 for more detailed information on health effects and symptoms.

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

Treatment	: Treat symptomatically.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Keep containers and surroundings cool with water spray.
Unsuitable extinguishing media	: High volume water jet

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

Specific hazards during firefighting	: Heating or fire can release toxic gas.
Hazardous combustion products	: Carbon oxides

### 5.3. Advice for firefighters

Special protective equipment for firefighters	: In the event of fire, wear self-contained breathing apparatus. Wear appropriate body protection (full protective suit)
Specific extinguishing methods	: Control smoke with water spray.
Further advice	: Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

**CHAMPION WINTERCLEAR****SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Personal precautions : Keep away unprotected persons. Use personal protective equipment. Ensure adequate ventilation. Avoid contact with the skin and the eyes. Do not breathe vapours or spray mist.

**6.2. Environmental precautions**

Environmental precautions : Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. If the product contaminates rivers and lakes or drains inform respective authorities. If material reaches soil inform authorities responsible for such cases.

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

Methods and materials for containment and cleaning up : Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders). Use mechanical handling equipment. Keep in suitable, closed containers for disposal.

Further information : Treat recovered material as described in the section "Disposal considerations".

**6.4. Reference to other sections**

See Section 1 for emergency contact information.  
See Section 8 for information on personal protective equipment.  
See Section 13 for waste treatment information.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

Advice on safe handling : Keep container tightly closed. Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Do not breathe vapours or spray mist. Emergency eye wash fountains and emergency showers should be available in the immediate vicinity.

Hygiene measures : Keep away from food, drink and animal feedingstuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of workday. Take off all contaminated clothing immediately.

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

Requirements for storage areas and containers : Store in original container.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

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Further information on storage conditions : Keep tightly closed in a dry and cool place. Keep in a well-ventilated place. Floor should be closed, sealed and not adsorbent.

Advice on common storage : Keep away from food, drink and animal feedingstuffs.

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

Specific use(s) : No information available.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Other Occupational Exposure Limit Values**

(Additional) Information : Contains no substances with occupational exposure limit values.

Component:	Etidronic acid	CAS-No. 2809-21-4
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**Derived No Effect Level (DNEL)/Derived Minimal Effect Level (DMEL)**

DNEL	Workers, Long-term - systemic effects, Inhalation	: 12 mg/m <sup>3</sup>
DNEL	Workers, Long-term - systemic effects, Dermal	: 34 mg/kg bw/day
DNEL	Consumers, Long-term - systemic effects, Inhalation	: 2.95 mg/m <sup>3</sup>
DNEL	Consumers, Long-term - systemic effects, Dermal	: 17 mg/kg bw/day
DNEL	Consumers, Long-term - systemic effects, Ingestion	: 1.7 mg/kg bw/day

**Predicted No Effect Concentration (PNEC)**

Fresh water	: 0.068 mg/l
Marine water	: 0.007 mg/l
Sewage treatment plant (STP)	: 40 mg/l
Fresh water sediment	: 136 mg/kg d.w.

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Marine sediment	:	13.6 mg/kg d.w.
Soil	:	10 mg/kg d.w.
Secondary poisoning	:	3.7 mg/kg food

**8.2. Exposure controls****Appropriate engineering controls**

Ensure adequate ventilation.

Ensure that eyewash stations and safety showers are close to the workstation location.

**Personal protective equipment***Respiratory protection*

Advice : In case of insufficient ventilation, wear suitable respiratory equipment.

*Hand protection*

Advice : Protective gloves complying with EN 374.  
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.  
Protective gloves should be replaced at first signs of wear.

Material : PVC

*Eye protection*

Advice : Safety goggles  
Ensure that eyewash stations and safety showers are close to the workstation location.  
Equipment should conform to EN 166

*Skin and body protection*

Advice : Wear appropriate chemical resistant clothing and boots.

**Environmental exposure controls**

General advice : Do not flush into surface water or sanitary sewer system.  
Avoid subsoil penetration.  
If the product contaminates rivers and lakes or drains inform respective authorities.  
If material reaches soil inform authorities responsible for such cases.

**SECTION 9: Physical and chemical properties**

**CHAMPION WINTERCLEAR****9.1 Information on basic physical and chemical properties**

Form	:	Liquid
Physical state	:	liquid
Colour	:	colourless
Odour	:	odourless
Odour Threshold	:	No data available
Freezing point	:	No data available
Boiling point	:	No data available
Flammability	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Flash point	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Self-Accelerating decomposition temperature (SADT)	:	No data available
pH	:	No data available
Viscosity		
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available
Flow time	:	No data available
Water solubility	:	No data available
Solubility in other solvents	:	No data available
Dissolution Rate	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Dispersion Stability	:	No data available
Vapour pressure	:	No data available



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Relative density	:	1.021 - 1.041
Density	:	No data available
Bulk density	:	No data available
Relative vapour density	:	No data available
Particle characteristics		No data available

### 9.2 Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Advice : No decomposition if stored and applied as directed.

### 10.2. Chemical stability

Advice : Stable under recommended storage conditions.

### 10.3. Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

### 10.4. Conditions to avoid

Conditions to avoid : Heat

### 10.5. Incompatible materials

Materials to avoid : Incompatible with strong acids and oxidizing agents.

### 10.6. Hazardous decomposition products

Hazardous decomposition products : toxic fumes

## SECTION 11: Toxicological information

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

#### Data for the product

#### Acute toxicity

#### Oral

Acute toxicity estimate : > 2000 mg/kg ) (Calculation method)

#### Inhalation

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No data available

**Dermal**

No data available

**Irritation****Skin**

No data available

**Eyes**

Result : (Causes serious eye damage. )

**Sensitisation**

No data available

**CMR effects****CMR Properties**

Carcinogenicity : No data available

Mutagenicity : No data available

Reproductive toxicity : No data available

**Specific Target Organ Toxicity****Single exposure**

No data available

**Repeated exposure**

No data available

**Other toxic properties****Repeated dose toxicity**

No data available

**Aspiration hazard**

No data available

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<b>Component:</b>	<b>Etidronic acid</b>	<b>CAS-No. 2809-21-4</b>
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### Acute toxicity

#### Oral

LD50 : 1.878 mg/kg (Rat, male and female) (OECD Test Guideline 401)

#### Inhalation

Study scientifically not justified.

#### Dermal

LD50 : 3505 mg/kg (Rabbit, male and female) (OECD Test Guideline 402)

### Irritation

#### Skin

Result : No data available

#### Eyes

Result : Causes serious eye damage. (Rabbit)

### Sensitisation

Result : not sensitizing (Maximisation Test; Dermal; Guinea pig)

### CMR effects

#### CMR Properties

Carcinogenicity : Did not show carcinogenic effects in animal experiments.  
Read-across (Analogy)

Mutagenicity : In vitro tests did not show mutagenic effects  
In vivo tests did not show mutagenic effects

Reproductive toxicity : Animal testing did not show any effects on fertility.  
Read-across (Analogy)

#### Genotoxicity in vitro

Result : negative (Bacterial Reverse Mutation Test; Salmonella typhimurium; with and without metabolic activation) (OECD Test Guideline 471)  
negative (In vitro gene mutation study in mammalian cells; Mouse Lymphoma Cells; with and without metabolic activation) (OECD Test Guideline 476)

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|| negative (Micronucleus test; Human lymphocytes; with and without metabolic activation) (OECD Test Guideline 487)

**Genotoxicity in vivo**

|| Result : negative (Chromosome aberration test in vivo; Mouse, male) (Oral; 5 days) (OECD Test Guideline 478)  
negative (In vivo micronucleus test; Mouse, male and female) (intraperitoneal; ) (OECD Test Guideline 474)

**Specific Target Organ Toxicity****Single exposure**

|| Remarks : The substance or mixture is not classified as specific target organ toxicant, single exposure.

**Repeated exposure**

|| Remarks : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

**Other toxic properties****Aspiration hazard**

|| Not applicable,

|| Component: Dimethylamine-epichlorohydrin polymer CAS-No. 25988-97-0

**Acute toxicity****Oral**

|| LD50 : 1865 mg/kg (Rat)

**Inhalation**

|| No data available

**Dermal**

|| LD50 : > 2000 mg/kg (Rabbit)

**Irritation****Skin**

|| Result : Based on available data, the classification criteria are not met.

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### Eyes

|| Result : Based on available data, the classification criteria are not met.

### Sensitisation

|| Result : Based on available data, the classification criteria are not met.

### CMR effects

#### CMR Properties

|| Carcinogenicity : Based on available data, the classification criteria are not met.  
 || Mutagenicity : Based on available data, the classification criteria are not met.  
 || Reproductive toxicity : Based on available data, the classification criteria are not met.

### Specific Target Organ Toxicity

#### Single exposure

|| Remarks : Based on available data, the classification criteria are not met.

#### Repeated exposure

|| Remarks : Based on available data, the classification criteria are not met.

### Other toxic properties

#### Aspiration hazard

|| Based on available data, the classification criteria are not met.,

## 11.2. Information on other hazards

### Data for the product

#### Endocrine disrupting properties

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

#### Component:

**Etidronic acid**

**CAS-No. 2809-21-4**

#### Endocrine disrupting properties

|| Assessment : No information available about endocrine disruption properties for human health.

**CHAMPION WINTERCLEAR**

<b>Component:</b>	<b>Dimethylamine-epichlorohydrin polymer</b>	<b>CAS-No. 25988-97-0</b>
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**Endocrine disrupting properties**

<b>Assessment</b>	:	No information available about endocrine disruption properties for human health.
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**SECTION 12: Ecological information****12.1. Toxicity**

<b>Component:</b>	<b>Etidronic acid</b>	<b>CAS-No. 2809-21-4</b>
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**Acute toxicity****Fish**

<b>LC50</b>	:	195 mg/l (Oncorhynchus mykiss (rainbow trout), Immobilization; 96 h) (flow-through test; OECD Test Guideline 204)
<b>LC50</b>	:	2.180 mg/l (Cyprinodon variegatus (sheepshead minnow), mortality; 96 h) (static test; OECD Test Guideline 203)

**Toxicity to daphnia and other aquatic invertebrates**

<b>EC50</b>	:	527 mg/l (Daphnia magna (Water flea), Immobilization; 48 h) (static test; OECD Test Guideline 202)
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**algae**

<b>EC50</b>	:	3.5 mg/l (Pseudokirchneriella subcapitata (green algae); 96 h) (static test; EPA 40 CFR 797.1050)
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**Chronic toxicity****Aquatic invertebrates**

<b>NOEC</b>	:	6.75 mg/l (Daphnia magna (Water flea); 28 d) (semi-static test; US-EPA method)
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<b>Component:</b>	<b>Dimethylamine-epichlorohydrin polymer</b>	<b>CAS-No. 25988-97-0</b>
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**Acute toxicity****Fish**

<b>LC50</b>	:	0.077 mg/l (Oncorhynchus mykiss (rainbow trout); 96 h) (OECD Test Guideline 203)
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### Toxicity to daphnia and other aquatic invertebrates

|| EC50 : 0.084 mg/l (Daphnia magna (Water flea); 48 h) (OECD Test Guideline 202)

### algae

|| EbC50 : 0.09 mg/l (Desmodesmus subspicatus (green algae); 72 h) (Growth inhibition; OECD Test Guideline 201)

### Bacteria

|| : 168 mg/l (activated sludge; 3 h) (Respiration inhibition; OECD Test Guideline 209)

### Short-term (acute) aquatic hazard

|| Result : Very toxic to aquatic life.

### Chronic toxicity

### Long-term (chronic) aquatic hazard

|| Result : Very toxic to aquatic life with long lasting effects.

### M-Factor

|| M-Factor (Acute Aquat. Tox.) : 10

## 12.2. Persistence and degradability

### Data for the product

#### Persistence and degradability

#### Biodegradability

Result : Not readily biodegradable.

|| Component: Etidronic acid CAS-No. 2809-21-4

#### Persistence and degradability

#### Persistence

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|||Result : No data available

### Biodegradability

|||Result : (aerobic; activated sludge, non-adapted; Related to: Dissolved organic carbon (DOC))(OECD Test Guideline 301D)Not readily biodegradable.

|||Component: Dimethylamine-epichlorohydrin polymer CAS-No. 25988-97-0

### Persistence and degradability

#### Persistence

|||Result : No data available

### Biodegradability

|||Result : (Exposure Time: 28 d)(OECD Test Guideline 301B)Not readily biodegradable.Modified Sturm Test

### 12.3. Bioaccumulative potential

#### Data for the product

#### Bioaccumulation

Result : Potential bioaccumulation

|||Component: Etidronic acid CAS-No. 2809-21-4

#### Bioaccumulation

|||Result : log Kow -3.5  
: BCF: < 2; (Cyprinus carpio (Carp); 49 d) The product has low potential bioaccumulation.

|||Component: Dimethylamine-epichlorohydrin polymer CAS-No. 25988-97-0

#### Bioaccumulation

|||Result : No data available

### 12.4. Mobility in soil

#### Data for the product

#### Mobility

Result : Readily absorbed into soil.



## CHAMPION WINTERCLEAR

<b>Component:</b>	<b>Etidronic acid</b>	<b>CAS-No. 2809-21-4</b>
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### Mobility

Water	:	The product is water soluble.
Air	:	not volatile

<b>Component:</b>	<b>Dimethylamine-epichlorohydrin polymer</b>	<b>CAS-No. 25988-97-0</b>
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### Mobility

Soil	:	immobile
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## 12.5. Results of PBT and vPvB assessment

### Data for the product

#### Results of PBT and vPvB assessment

Result	:	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
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<b>Component:</b>	<b>Etidronic acid</b>	<b>CAS-No. 2809-21-4</b>
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#### Results of PBT and vPvB assessment

Result	:	This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)., This substance is not considered to be very persistent and very bioaccumulating (vPvB).
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<b>Component:</b>	<b>Dimethylamine-epichlorohydrin polymer</b>	<b>CAS-No. 25988-97-0</b>
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#### Results of PBT and vPvB assessment

Result	:	No data available
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## 12.6. Endocrine disrupting properties

### Data for the product

Endocrine disrupting potential	:	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
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<b>Component:</b>	<b>Etidronic acid</b>	<b>CAS-No. 2809-21-4</b>
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Endocrine disrupting potential	:	No information available about endocrine disruption properties for environment.
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<b>Component:</b>	<b>Dimethylamine-epichlorohydrin polymer</b>	<b>CAS-No. 25988-97-0</b>
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## CHAMPION WINTERCLEAR

Endocrine disrupting potential : No information available about endocrine disruption properties for environment.

### 12.7. Other adverse effects

<b>Component:</b>	<b>Etidronic acid</b>	<b>CAS-No. 2809-21-4</b>
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#### Additional ecological information

Result : Do not flush into surface water or sanitary sewer system.  
Avoid subsoil penetration.

<b>Component:</b>	<b>Dimethylamine-epichlorohydrin polymer</b>	<b>CAS-No. 25988-97-0</b>
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#### Additional ecological information

Result : Do not flush into surface water or sanitary sewer system.  
Avoid subsoil penetration.  
Very toxic to aquatic life.  
Very toxic to aquatic life with long lasting effects.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

- Product : Disposal together with normal waste is not allowed. Special disposal required according to local regulations. Do not let product enter drains. Contact waste disposal services.
- Contaminated packaging : Empty containers or liners may retain some products residues. Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.
- European Waste Catalogue Number : No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

## SECTION 14: Transport information

### 14.1. UN number

3082

### 14.2. UN proper shipping name

- ADR** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(Dimethylamine-epichlorohydrin polymer)
- RID** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(Dimethylamine-epichlorohydrin polymer)
- IMDG** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

**CHAMPION WINTERCLEAR**

(Dimethylamine-epichlorohydrin polymer)

**14.3. Transport hazard class(es)**

ADR-Class (Labels; Classification Code; Hazard Identification Number; Tunnel restriction code)	: 9 9; M6; 90; (-)
RID-Class (Labels; Classification Code; Hazard Identification Number)	: 9 9; M6; 90
IMDG-Class (Labels; EmS)	: 9 9; F-A, S-F

**14.4. Packaging group**

ADR	: III
RID	: III
IMDG	: III

**14.5. Environmental hazards**

Environmentally hazardous according to ADR	: yes
Environmentally hazardous according to RID	: yes
Marine Pollutant according to IMDG-Code	: yes

**14.6. Special precautions for user**

Not applicable.

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

Not applicable for product as supplied.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

<b>Component:</b>	<b>Etidronic acid</b>	<b>CAS-No. 2809-21-4</b>
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	EU. Chemicals Subject to PIC Procedure: Regulation 649/2012/EU on export and import of dangerous chemicals, as amended	:		; The substance/mixture does not fall under this legislation.
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	EU. REACH, Annex XVII, Marketing and Use	:	Point Nos.: , 3; Listed
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**CHAMPION WINTERCLEAR**

Restrictions (Regulation 1907/2006/EC)

EU. Regulation No. 1223/2009 on cosmetic products, Annex III: List of Restricted Substances in Cosmetic Products : Reference number: 53; Listed

EU. Directive 2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances, Annex I : ; The substance/mixture does not fall under this legislation.

Germany. Ordinance on Facilities Handling Substances that are Hazardous to Water, ((AwSV of 21 April 2017), UBA, BAnz AT), as amended : WGK 1: slightly hazardous to water: 1,772

**Component: Dimethylamine-epichlorohydrin polymer CAS-No. 25988-97-0**

EU. Chemicals Subject to PIC Procedure: Regulation 649/2012/EU on export and import of dangerous chemicals, as amended : ; The substance/mixture does not fall under this legislation.

EU. REACH, Annex XVII, Marketing and Use Restrictions (Regulation 1907/2006/EC) : Point Nos.: , 3; Listed

EU. Regulation No 1451/2007 [Biocides], Annex I, OJ (L 325) : ; Listed as a polymer.

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EU. Directive 2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances, Annex I	:	Qualifying quantity for the application of Lower-tier requirements: 100 tonnes; Part 1: Categories of dangerous substances; Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1
		Qualifying quantity for the application of Upper-tier requirements: 200 tonnes; Part 1: Categories of dangerous substances; Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1

Germany. Ordinance on Facilities Handling Substances that are Hazardous to Water, ((AwSV of 21 April 2017), UBA, BAnz AT), as amended	:	WGK 3: highly hazardous to water: 2,228
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**15.2. Chemical safety assessment**

No data available

**SECTION 16: Other information****Full text of H-Statements referred to under sections 2 and 3.**

H302	Harmful if swallowed.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

**Abbreviations and Acronyms**

<b>AU AIICL</b>	Australia. Industrial Chemicals Act (AIC) List
<b>BCF</b>	bioconcentration factor
<b>BOD</b>	biochemical oxygen demand
<b>CAS</b>	Chemical Abstracts Service
<b>CLP</b>	Classification, Labelling and Packaging
<b>CMR</b>	carcinogenic, mutagenic or toxic to reproduction
<b>COD</b>	chemical oxygen demand
<b>DNEL</b>	derived no-effect level
<b>DSL</b>	Canada. Environmental Protection Act, Domestic Substances List
<b>EINECS</b>	European Inventory of Existing Commercial Chemical Substances
<b>ELINCS</b>	European List of Notified Chemical Substances

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<b>ENCS (JP)</b>	Japan. Kashin-Hou Law List
<b>GHS</b>	Globally Harmonized System of Classification and Labelling of Chemicals
<b>IECSC</b>	China. Inventory of Existing Chemical Substances
<b>INSQ</b>	Mexico. National Inventory of Chemical Substances
<b>ISHL (JP)</b>	Japan. Inventory of Industrial Safety & Health
<b>KECI (KR)</b>	Korea. Existing Chemicals Inventory
<b>LC50</b>	median lethal concentration
<b>LOAEC</b>	lowest observed adverse effect concentration
<b>LOAEL</b>	lowest observed adverse effect level
<b>LOEL</b>	lowest observed effect level
<b>NDSL</b>	Canada. Environmental Protection Act. Non-Domestic Substances List
<b>NLP</b>	no-longer polymer
<b>NOAEC</b>	no observed adverse effect concentration
<b>NOAEL</b>	no observed adverse effect level
<b>NOEC</b>	no observed effect concentration
<b>NOEL</b>	no observed effect level
<b>NZIOC</b>	New Zealand. Inventory of Chemicals
<b>OECD</b>	Organisation for Economic Cooperation and Development
<b>OEL</b>	occupational exposure limit
<b>ONT INV</b>	Canada. Ontario Inventory List
<b>PBT</b>	persistent, bioaccumulative and toxic
<b>PHARM (JP)</b>	Japan. Pharmacopoeia Listing
<b>PICCS (PH)</b>	Philippines. Inventory of Chemicals and Chemical Substances
<b>PNEC</b>	predicted no-effect concentration
<b>REACH Auth. No.:</b>	REACH Authorisation Number
<b>REACH AuthAppC. No.</b>	REACH Authorisation Application Consultation Number
<b>STOT</b>	specific target organ toxicity
<b>SVHC</b>	substance of very high concern
<b>TCSI</b>	Taiwan. Existing Chemicals Inventory
<b>TH INV</b>	Thailand. Existing Chemicals Inventory from FDA
<b>TSCA</b>	US. Toxic Substances Control Act
<b>UVCB</b>	substance of unknown or variable composition, complex reaction products or biological materials
<b>VN INVL</b>	Vietnam. National Chemical Inventory
<b>vPvB</b>	very persistent and very bioaccumulative

### Further information

Key literature references : Supplier information and data from the "Database of registered substances" of the European Chemicals Agency (ECHA) were used to create this safety data sheet.

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- Methods used for product classification : The classification for human health, physical and chemical hazards and environmental hazards were derived from a combination of calculation methods and if available test data.
- Hints for trainings : The workers have to be trained regularly on the safe handling of the products based on the information provided in the Safety Data Sheet and the local conditions of the workplace. National regulations for the training of workers in the handling of hazardous materials must be adhered to.
- Other information :  
The information provided in this Safety Data Sheet is correct to our knowledge at the date of its revision. The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship.  
The information contained in this Safety Data Sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

|| Indicates updated section.