

# Summary of product characteristics for a biocidal product

**Product name:** WTP C32

**Product type(s):** PT11 - Preservatives for liquid-cooling and processing systems (Preservatives)

PT11 - Preservatives for liquid-cooling and processing systems (Preservatives)

**Authorisation number:** UK-2019-1196

**R4BP 3 asset reference number:** UK-0017951-0000

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## Administrative information

### 1.1. Trade names of the product

WTP C32  
1.5%CMIT/MIT  
ACORN BIOCIDES 250  
ADI C32  
ADV C32  
AES C32  
Alchem WT  
Aquadition WTC  
Aquadose CT033  
ASH BP 302  
Aston C32  
AWT C32  
BAYTREAT 722  
BIOCARE 5153  
Biochem 100  
Biocide 515  
Biocide IS  
BIOTECH 103  
Bio-tech LQ2040  
Biotek 30  
Biotek 710  
C32  
C32 Biocide  
CA MB215  
CB117IS  
CINER 405  
CW 32  
CW N71  
DEBA 302  
DESC32  
Eatontech BC C32

EFB 32  
ENCIDE 515  
ETS C32  
EVOLUTION 47X2  
GE C32  
Glisten ISO 2  
GWT C32  
H2O C32  
HCS C32  
HEB 2W  
HY910  
ITA-CIDE  
ITACIDE  
ITACIDE 1.5  
ITACIDE 15  
KES 211  
KT400  
Lubron IT  
MASOL 340  
Microcare C17  
MICROCHEM B300CC  
Micro-flo M75  
Micro-Flo M75  
MICROGUARD 32  
MT2027  
MW B32  
NOX 352  
OS ISO BIO 1.5  
PHASECHEM 307  
Primary C32  
PRO C32  
Relcide 310  
RES C32  
RMC ML-27  
Select Water C32

SMS C32  
 TRIOCIDE 200  
 TW TXC32  
 WES 715  
 WT-BLP  
 WTP C32 CF  
 WTP C32-CF  
 BC60  
 BIO LP  
 Biotrol 0416  
 Fosse 710  
 HW Biocide  
 TWS NOX 20

**1.2. Authorisation holder**

<b>Name and address of the authorisation holder</b>	Name	Water Treatment Products Limited
	Address	Unit 1 Gilchrist Thomas Industrial Estate Blaenavon NP4 9RL Pontypool United Kingdom
<b>Authorisation number</b>	UK-2019-1196	
<b>R4BP 3 asset reference number</b>	UK-0017951-0000	
<b>Date of the authorisation</b>	04/04/2019	
<b>Expiry date of the authorisation</b>	03/04/2029	

**1.3. Manufacturer(s) of the biocidal products**

<b>Name of the manufacturer</b>	Water Treatment Products Limited
<b>Address of the manufacturer</b>	Unit 1, Gilchrist Thomas Industrial Estate, Blaenavon NP4 9RL Pontypool, Torfaen United Kingdom
<b>Location of manufacturing sites</b>	Unit 1, Gilchrist Thomas Industrial Estate, Blaenavon NP4 9RL Pontypool, Torfaen United Kingdom

#### 1.4. Manufacturer(s) of the active substance(s)

<b>Active substance</b>	1373 - Mixture of 5-chloro-2-methyl-2H- isothiazol-3-one (EINECS 247-500-7) and 2-methyl-2H-isothiazol-3-one (EINECS 220-239-6) (Mixture of CMIT/MIT)
<b>Name of the manufacturer</b>	Dalian Bio-Chem Co., Ltd.
<b>Address of the manufacturer</b>	11F Anda Business Mansion 32 Wuwu Road Hingham District, Dalian China
<b>Location of manufacturing sites</b>	11F Anda Business Mansion 32 Wuwu Road Hingham District, Dalian China

## 2. Product composition and formulation

### 2.1. Qualitative and quantitative information on the composition of the biocidal product

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Mixture of 5-chloro-2-methyl-2H- isothiazol-3-one (EINECS 247-500-7) and 2-methyl-2H-isothiazol-3-one (EINECS 220-239-6) (Mixture of CMIT/MIT)		Active Substance	55965-84-9		1.5
Non Active Substance					98.5

### 2.2. Type of formulation

SL - Soluble concentrate
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### 3. Hazard and precautionary statements

#### Hazard statements

Causes severe skin burns and eye damage.  
May cause an allergic skin reaction.  
Very toxic to aquatic life with long lasting effects.

#### Precautionary statements

Do not breathe vapours.  
Avoid breathing spray.  
Wash hands thoroughly after handling.  
Avoid release to the environment.  
Wear protective gloves.  
Wear protective clothing.  
Wear eye protection.  
Wear face protection.  
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
IF ON SKIN: Wash with plenty of water.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
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 centre/doctor.  
If skin irritation or rash occurs: Get medical advice.  
Take off contaminated clothing. And wash it before reuse.  
Wash contaminated clothing before reuse.  
Collect spillage.  
Store locked up.  
Dispose of container to licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

### 4. Authorised use(s)

## 4.1 Use description

### Use 1 - Open cooling systems (i.e. evaporative cooling towers)

<b>Product type</b>	PT11 - Preservatives for liquid-cooling and processing systems (Preservatives)
<b>Where relevant, an exact description of the authorised use</b>	Use as an industrial biocide for the preservation of water and other liquids in open cooling systems (i.e. evaporative cooling towers) by the control of harmful bacteria.
<b>Target organism(s) (including development stage)</b>	Legionella pneumophila-Bacteria, aerobic Gram-negative Enterobacter cloacae-Bacteria, aerobic Gram-negative Pseudomonas aeruginosa-Bacteria, aerobic Gram-negative Klebsiella pneumoniae-Bacteria, aerobic Gram-negative Pseudomonas fluorescens-Bacteria, aerobic Gram-negative Serratia marcescens-Bacteria, aerobic Gram-negative Enterobacter aerogenes-Bacteria, aerobic Gram-negative Escherichia coli-Bacteria, aerobic Gram-negative Serratia plymuthica-Bacteria, aerobic Gram-negative Pseudomonas stutzeri-Bacteria, aerobic Gram-negative Desulfovibrio desulfuricans-Bacteria, anaerobic Gram-negative Shewanella oneidensis-Bacteria, anaerobic Gram-negative Desulfovibrio vulgaris-Bacteria, anaerobic Gram-negative Shewanella putrefaciens-Bacteria, anaerobic Gram-negative
<b>Field(s) of use</b>	Indoor Outdoor Cooling systems to be treated may be located indoors or outdoors.
<b>Application method(s)</b>	Manual dosing - Product to be decanted from the drum or IBC using a drum tap into a measuring jug or cylinder and poured into the system.  Automatic dosing - Product is to be dosed directly from the drum or IBC, and decanted into either on-site day tanks or chemical dosing pots and pumped into the system.
<b>Application rate(s) and frequencies</b>	Initial dose: 500mL of product per m <sup>3</sup> of water. Typical dose for a clean system: 200mL of product per m <sup>3</sup> of water. Contaminated system: 500-2000mL of product per m <sup>3</sup> of water. - - Typical dose for a clean system: 3 hour contact time.



Contaminated system: 24 hour contact time.

Dose weekly as a minimum (adjust dose based on dip slide results).

Initial dose: 500mL of product per m<sup>3</sup> of water. Typical dose for a clean system: 200mL of product per m<sup>3</sup> of water. Contaminated system: 500-2000mL of product per m<sup>3</sup> of water. - -  
 Typical dose for a clean system: 3 hour contact time.

Contaminated system: 24 hour contact time.

Dose weekly as a minimum (adjust dose based on dip slide results).

**Category(ies) of users**

Industrial

**Pack sizes and packaging material**

Packaging type: Jerry can.

Pack sizes: 5, 10, 12.5, 20 and 25 L.

Material of packaging: Plastic: HDPE. 5 L jerry cans may be packaged into a 4G box.

Between 1 and 4 jerry cans may be included in a single box.

Type and material of closure: HDPE screw cap.

Packaging type: Drum.

Pack sizes: 210 L.

Material of packaging: Plastic: HDPE.

Type and material of closure: Moulded bung composed of polypropylene co-polymer.

Packaging type: IBC.

Pack sizes: 1000 L.

Material of packaging: Plastic: HDPE.

Type and material of closure: HDPE screw cap.

#### 4.1.1 Use-specific instructions for use

Refer to general directions for use.

#### 4.1.2 Use-specific risk mitigation measures

Use in open cooling systems/evaporative cooling towers: For use in systems with a volume of  $\leq 300$  m<sup>3</sup> and where emissions are directed via an STP.

#### 4.1.3 Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment

Refer to general directions for use.

#### 4.1.4 Where specific to the use, the instructions for safe disposal of the product and its packaging

Refer to general directions for use.

#### 4.1.5 Where specific to the use, the conditions of storage and shelf-life of the product under normal conditions of storage

Refer to general directions for use.

### 4.2 Use description

#### Use 2 - Processing systems (both open and closed re-circulating type systems)

##### Product type

PT11 - Preservatives for liquid-cooling and processing systems (Preservatives)

##### Where relevant, an exact description of the authorised use

For use as an industrial biocide for the preservation of water and other liquids used in processing systems (both open and closed recirculating type systems) by the control of harmful bacteria.

##### Target organism(s) (including development stage)

Legionella pneumophila-Bacteria, aerobic Gram-negative  
Enterobacter cloacae-Bacteria, aerobic Gram-negative  
Pseudomonas aeruginosa-Bacteria, aerobic Gram-negative  
Klebsiella pneumoniae-Bacteria, aerobic Gram-negative  
Pseudomonas fluorescens-Bacteria, aerobic Gram-negative  
Serratia marcescens-Bacteria, aerobic Gram-negative

Enterobacter aerogenes-Bacteria, aerobic Gram-negative

Escherichia coli-Bacteria, aerobic Gram-negative

Serratia plymuthica-Bacteria, aerobic Gram-negative

Pseudomonas stutzeri-Bacteria, aerobic Gram-negative

Desulfovibrio desulfuricans-Bacteria, anaerobic Gram-negative

Shewanella oneidensis-Bacteria, anaerobic Gram-negative

Desulfovibrio vulgaris-Bacteria, anaerobic Gram-negative

Shewanella putrefaciens-Bacteria, anaerobic Gram-negative

**Field(s) of use**

Indoor

Outdoor

Cooling systems to be treated may be located indoors or outdoors.

**Application method(s)**

Manual dosing -  
Product to be decanted from the drum or IBC using a drum tap into a measuring jug or cylinder and poured into the system.

Automatic dosing -  
Product is to be dosed directly from the drum or IBC, and decanted into either on-site day tanks or chemical dosing pots and pumped into the system.

**Application rate(s) and frequencies**

Initial dose: 500mL of product per m<sup>3</sup> of water. Typical dose for a clean system: 200mL of product per m<sup>3</sup> of water. Contaminated system: 500-2000mL of product per m<sup>3</sup> of water. - -  
Typical dose for a clean system: 1 hour contact time.  
Contaminated system: 24 hour contact time.

Dose quarterly (adjust dose based on dip slide results).

Initial dose: 500mL of product per m<sup>3</sup> of water. Typical dose for a clean system: 200mL of product per m<sup>3</sup> of water. Contaminated system: 500-2000mL of product per m<sup>3</sup> of water. - -  
Typical dose for a clean system: 1 hour contact time.  
Contaminated system: 24 hour contact time.

Dose quarterly (adjust dose based on dip slide results).

**Category(ies) of users**

Professional

**Pack sizes and packaging material**

Packaging type: Jerry can.

Pack sizes: 5, 10, 12.5, 20 and 25 L.

Material of packaging: Plastic: HDPE. 5 L jerry cans may be packaged into a 4G box.

Between 1 and 4 jerry cans may be included in a single box.

Type and material of closure: HDPE screw cap.

Packaging type: Drum.

Pack sizes: 210 L.

Material of packaging: Plastic: HDPE.

Type and material of closure: Moulded bung composed of polypropylene co-polymer.

Packaging type: IBC.

Pack sizes: 1000 L.

Material of packaging: Plastic: HDPE.

Type and material of closure: HDPE screw cap.

#### **4.2.1 Use-specific instructions for use**

Refer to general directions for use.

#### **4.2.2 Use-specific risk mitigation measures**

Refer to general directions for use.

#### **4.2.3 Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment**

Refer to general directions for use.

#### 4.2.4 Where specific to the use, the instructions for safe disposal of the product and its packaging

Refer to general directions for use.

#### 4.2.5 Where specific to the use, the conditions of storage and shelf-life of the product under normal conditions of storage

Refer to general directions for use.

### 5. General directions for use

#### 5.1. Instructions for use

Restricted to industrial users.

For use as an industrial biocide for the preservation of water and other liquids used in cooling and processing systems by the control of harmful organisms.

This product is intended to be fed intermittently into the system either manually or automatically.

Manual dosing: Product to be decanted from the drum or IBC using a drum tap into a measuring jug or cylinder and poured into the system.

Automatic dosing: Product is to be dosed directly from the drum or IBC, and decanted into either on-site day tanks or chemical dosing pots and pumped into the system.

Test with dip slides to ensure TVC's are in an acceptable range (  $10^{exp4}$ ).

#### 5.2. Risk mitigation measures

UK Only: The COSHH (Control of Substances Hazardous to Health) Regulations 2002 (as amended) apply to the use of this product at work.

For industrial use only.

Wear protective chemical resistant gloves, coveralls and face protection when handling the concentrate

Wear protective chemical resistant gloves and coveralls when handling contaminated surfaces (glove material to be specified by the authorisation holder within the product information)

#### 5.3. Particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment

#### Particulars of likely direct or indirect effects

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: Nausea and stomach pain may occur. There may be vomiting.

Inhalation: Nausea and stomach pain may occur. There may be vomiting. Drowsiness or mental confusion may occur.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

#### First Aid Instructions

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.

Eye contact: Bathe the eye with running water for 15 minutes. Eye bathing equipment should be available on the premises. Transfer to hospital for specialist examination.

Ingestion: Do not induce vomiting. If conscious, give half a litre of water to drink immediately. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

#### Emergency Measures to Protect the Environment

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

Methods and material for containment and cleaning up: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water.

### **5.4. Instructions for safe disposal of the product and its packaging**

Disposal should be carried out by licenced contractors. Transfer to a suitable container and arrange for collection by specialised disposal company.  
Release of waste water from the facilities shall be directed to a sewage treatment plant.  
Contaminated containers must be disposed of at an approved waste facility.

### **5.5. Conditions of storage and shelf-life of the product under normal conditions of storage**

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.  
Shelf life: Two years.

## 6. Other information

Lanxess Deutschland GmbH supplies the active substance manufactured by Dalian Bio-Chem co., Limited to the EU market and has provided the Letter of Access to the associated data package (see IUCLID Section 13).

The active substance C(M)IT/MIT is manufactured as a 14% technical concentrate in water (PREVENTOL IT 14), with stabilisers (magnesium nitrate and magnesium chloride).

In order to minimise the potential for resistance arising in PT11 systems treated with WTP C32, the product may be used in rotation with biocides containing a different active substance, either oxidising or non-oxidising.