

Safety Data Sheet dated 23/8/2013, version 1



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

### 1.1. Product identifier

Mixture identification:

Trade name: **WINTER COMBI R/L**

The transition time according to REACH Regulation, Article 23 is still not expired.

The substance must not be registered according to REACH, Annex IV and V.

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

Special product for the wintering of the pool. Double action. Anti scale and algacide

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

Company:

BARCHEMICALS SRL

VIA S.ALLENDE 14

CASTELNUOVO RANGONE (MO)

ITALY

PHONE. +39 059/536502

FAX. +39 059/536742

Competent person responsible for the safety data sheet:

barani.corrado@barchemicals.it


### 1.4. Emergency telephone number

Barani Dr.Corrado - MOBILE PHONE. +39 335/6109383


## SECTION 2: Hazards identification


### 2.1. Classification of the substance or mixture

#### EC regulation criteria 1272/2008 (CLP)

 Danger, Skin Corr. 1A, Causes severe skin burns and eye damage.

 Danger, Eye Dam. 1, Causes serious eye damage.

 Warning, Aquatic Acute 1, Very toxic to aquatic life.

 Warning, Aquatic Chronic 1, Very toxic to aquatic life with long lasting effects.

#### Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:

Properties / Symbols:

C Corrosive

N Dangerous for the environment

R Phrases:

R34 Causes burns.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Adverse physicochemical, human health and environmental effects:

No other hazards

Numero telefonico di chiamata urgente: +39 335 6109383

Sede Legale ed Operativa : Via S. Allende, 14 - 41051 Castelnuovo Rangone (MO) - Italy

Phone 0039 59 536502 - Fax 0039 59 536742 e-mail : info@barchemicals.it - http://www.barchemicals.it

Azienda Certificata UNI EN ISO 9001 - CERT. N° 4247 Azienda Certificata UNI EN ISO 14001 - CERT. N° 6388

1/8

## Solution for Water Treatment

### 2.2. Label elements

Symbols:



Danger

Hazard statements:

- H314 Causes severe skin burns and eye damage.
- H318 Causes serious eye damage.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements:

- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
- P264 Wash ... Thoroughly after handling.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a POISON CENTER or doctor/physician.
- P321 Specific treatment (see ... On this label).
- P363 Wash contaminated clothing before reuse.
- P391 Collect spillage.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

### 2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

N.A.

### 3.2. Mixtures

Hazardous components within the meaning of EEC directive 67/548 and CLP regulation and related classification:

15% - 20% Methanamine, N-methyl-,polymer with 2-(chloromethyl)oxirane

CAS: 25988-97-0

Xn,N; R22-50/53

3.1/4/Oral Acute Tox. 4 H302

4.1/A1 Aquatic Acute 1 H400

4.1/C1 Aquatic Chronic 1 H410

10% - 12.5% Nitrilometilenfosfonic Acids

Numero telefonico di chiamata urgente: +39 335 6109383

Sede Legale ed Operativa : Via S. Allende, 14 - 41051 Castelnuovo Rangone (MO) - Italy

Phone 0039 59 536502 - Fax 0039 59 536742 e-mail : info@barchemicals.it - http://www.barchemicals.it

Azienda Certificata UNI EN ISO 9001 - CERT. N° 4247 Azienda Certificata UNI EN ISO 14001 - CERT. N° 6388

2/8

## *Solution for Water Treatment*

CAS: 6419-19-8, EC: 229-146-5

Xi; R41

 3.3/1 Eye Dam. 1 H318

---

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do NOT induce vomiting. Rinse mouth and drink plenty of water.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

None

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

---

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO<sub>2</sub>).

Extinguishing media which must not be used for safety reasons:

None in particular.

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

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

#### 5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

---

### SECTION 6: Accidental release measures

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

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

#### 6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

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

Wash with plenty of water.

#### 6.4. Reference to other sections

See also section 8 and 13

Numero telefonico di chiamata urgente: +39 335 6109383

Sede Legale ed Operativa : Via S. Allende, 14 - 41051 Castelnuovo Rangone (MO) - Italy

Phone 0039 59 536502 - Fax 0039 59 536742 e-mail : info@barchemicals.it - http://www.barchemicals.it

Azienda Certificata UNI EN ISO 9001 - CERT. N° 4247 Azienda Certificata UNI EN ISO 14001 - CERT. N° 6388

3/8

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Avoid contact with skin and eyes, inhalation of vapours and mists.
- Don't use empty container before they have been cleaned.
- Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
- Contaminated clothing should be changed before entering eating areas.
- Do not eat or drink while working.
- See also section 8 for recommended protective equipment.

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

- Storage at room temperature and keep away from direct light.
- Keep away from food, drink and feed.
- Incompatible materials:  
None in particular.
- Instructions as regards storage premises:  
Adequately ventilated premises.

### 7.3. Specific end use(s)

- None in particular

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

- No occupational exposure limit available
- DNEL Exposure Limit Values  
N.A.
- PNEC Exposure Limit Values  
N.A.

### 8.2. Exposure controls

- Eye protection:  
Basket eye glasses.
- Protection for skin:  
Chemical protection clothing.
- Protection for hands:  
CR (polychloroprene, chloroprene rubber).
- Respiratory protection:  
Not necessary.
- Thermal Hazards:  
None
- Environmental exposure controls:  
None

## SECTION 9: Physical and chemical properties

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

Appearance and colour:	Colorless liquid
Odour:	Odorless
Odour threshold:	N.A.
pH:	1
Melting point / freezing point:	N.A.
Initial boiling point and boiling range:	N.A.
Solid/gas flammability:	N.A.
Upper/lower flammability or explosive limits:	N.A.
Vapour density:	N.A.
Flash point:	N.A.
Evaporation rate:	N.A.
Vapour pressure:	N.A.

Numero telefonico di chiamata urgente: +39 335 6109383

Sede Legale ed Operativa : Via S. Allende, 14 - 41051 Castelnuovo Rangone (MO) - Italy

Phone 0039 59 536502 - Fax 0039 59 536742 e-mail : [info@barchemicals.it](mailto:info@barchemicals.it) - <http://www.barchemicals.it>

Azienda Certificata UNI EN ISO 9001 - CERT. N° 4247 Azienda Certificata UNI EN ISO 14001 - CERT. N° 6388

4/8

## Solution for Water Treatment

Relative density:	1,1 Kg/l	
Solubility in water:	Completa	
Solubility in oil:	N.A.	
Partition coefficient (n-octanol/water):		N.A.
Auto-ignition temperature:	N.A.	
Decomposition temperature:	N.A.	
Viscosity:	N.A.	
Explosive properties:	N.A.	
Oxidizing properties:	N.A.	

### 9.2. Other information

Miscibility:	N.A.	
Fat Solubility:	N.A.	
Conductivity:	N.A.	
Substance Groups relevant properties		N.A.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions

### 10.2. Chemical stability

Stable under normal conditions

### 10.3. Possibility of hazardous reactions

None

### 10.4. Conditions to avoid

Stable under normal conditions.

### 10.5. Incompatible materials

None in particular.

### 10.6. Hazardous decomposition products

None.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Toxicological information of the mixture:

N.A.

Toxicological information of the main substances found in the mixture:

Methanamine, N-methyl-,polymer with 2-(chloromethyl)oxirane - CAS: 25988-97-0

a) acute toxicity:

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg

Test: LD50 - Route: Oral - Species: Rat = 1672 mg/kg

If not differently specified, the information required in Regulation 453/2010/EC listed below must be considered as N.A.:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

## SECTION 12: Ecological information

### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Numero telefonico di chiamata urgente: +39 335 6109383

Sede Legale ed Operativa : Via S. Allende, 14 - 41051 Castelnuovo Rangone (MO) - Italy

Phone 0039 59 536502 - Fax 0039 59 536742 e-mail : info@barchemicals.it - http://www.barchemicals.it

Azienda Certificata UNI EN ISO 9001 - CERT. N° 4247 Azienda Certificata UNI EN ISO 14001 - CERT. N° 6388

5/8

## Solution for Water Treatment

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
Methanamine, N-methyl-,polymer with 2-(chloromethyl)oxirane - CAS: 25988-97-0

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Scene = 0.09 mg/l - Duration h: 72

Endpoint: EC50 - Species: Daphnia = 0.14 mg/l - Duration h: 48

Endpoint: LC50 - Species: Fish = 0.077 mg/l - Duration h: 96

### 12.2. Persistence and degradability

N.A.

### 12.3. Bioaccumulative potential

N.A.

### 12.4. Mobility in soil

N.A.

### 12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

### 12.6. Other adverse effects

None

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

## SECTION 14: Transport information



### 14.1. UN number

ADR-UN Number: 1760

IATA-UN Number: 1760

IMDG-UN Number: 1760

### 14.2. UN proper shipping name

ADR-Shipping Name: CORROSIVE LIQUID, N.O.S.

IATA-Shipping Name: CORROSIVE LIQUID, N.O.S.

IMDG-Shipping Name: CORROSIVE LIQUID, N.O.S.

### 14.3. Transport hazard class(es)

ADR-Class: 8

ADR - Hazard identification number: 80

IATA-Class: 8

IATA-Label: 8

IMDG-Class: 8

### 14.4. Packing group

ADR-Packing Group: II

IATA-Packing group: II

IMDG-Packing group: II

### 14.5. Environmental hazards

ADR-Environmental Pollutant: Yes

IMDG-Marine pollutant: Marine Pollutant

Most important toxic component: Methanamine, N-methyl-,polymer with 2-(chloromethyl)oxirane

### 14.6. Special precautions for user

ADR-Subsidiary risks: -

ADR-S.P.: 274

ADR-Tunnel Restriction Code: (E)

Numero telefonico di chiamata urgente: +39 335 6109383

Sede Legale ed Operativa : Via S. Allende, 14 - 41051 Castelnuovo Rangone (MO) - Italy

Phone 0039 59 536502 - Fax 0039 59 536742 e-mail : info@barchemicals.it - http://www.barchemicals.it

Azienda Certificata UNI EN ISO 9001 - CERT. N° 4247 Azienda Certificata UNI EN ISO 14001 - CERT. N° 6388

## *Solution for Water Treatment*

IATA-Passenger Aircraft:	851
IATA-Subsidiary risks:	-
IATA-Cargo Aircraft:	615
IATA-S.P.:	-
IATA-ERG:	8L
IMDG-EmS:	F-A , S-B
IMDG-Subsidiary risks:	-
IMDG-Storage category:	Category B
IMDG-Storage notes:	Clear of living quarters.

### **14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** N.A.

## **SECTION 15: Regulatory information**

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

Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances)  
Dir. 99/45/EC (Classification, packaging and labelling of dangerous preparations)  
Dir. 98/24/EC (Risks related to chemical agents at work)  
Dir. 2000/39/EC (Occupational exposure limit values)  
Dir. 2006/8/EC  
Regulation (EC) n. 1907/2006 (REACH)  
Regulation (EC) n. 1272/2008 (CLP)  
Regulation (EC) n. 790/2009 (ATP 1 CLP)  
Regulation (EU) n. 453/2010 (Annex I)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restriction 3

Where applicable, refer to the following regulatory provisions :

Regulation (EC) nr 648/2004 (Detergents).  
Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments.  
1999/13/EC (VOC directive)

### **15.2. Chemical safety assessment**

No

## **SECTION 16: Other information**

Product for professional use

Full text of phrases referred to in Section 3:

R22 Harmful if swallowed.  
R41 Risk of serious damage to eyes.  
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities  
SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold  
CCNL - Appendix 1  
Insert further consulted bibliography

Numero telefonico di chiamata urgente: +39 335 6109383

Sede Legale ed Operativa : Via S. Allende, 14 - 41051 Castelnuovo Rangone (MO) - Italy

Phone 0039 59 536502 - Fax 0039 59 536742 e-mail : info@barchemicals.it - http://www.barchemicals.it

Azienda Certificata UNI EN ISO 9001 - CERT. N° 4247 Azienda Certificata UNI EN ISO 14001 - CERT. N° 6388

## *Solution for Water Treatment*

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
LTE:	Long-term exposure.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.
N.A.:	N.A.
N.D.:	N.A.

Numero telefonico di chiamata urgente: +39 335 6109383

Sede Legale ed Operativa : Via S. Allende, 14 - 41051 Castelnuovo Rangone (MO) - Italy

Phone 0039 59 536502 - Fax 0039 59 536742 e-mail : [info@barchemicals.it](mailto:info@barchemicals.it) - <http://www.barchemicals.it>

Azienda Certificata UNI EN ISO 9001 - CERT. N° 4247 Azienda Certificata UNI EN ISO 14001 - CERT. N° 6388

8/8