

## Electronic Conductivity Neutralizer

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

#### 1.1 - Product identifier

Trade name/designation Electronic Conductivity Neutralizer  
Chemical name  
Product-type Mixture  
Product code EMECneutr30  
CAS No.

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

Relevant identified uses - calibration solution  
Uses advised against - Other

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

Water-I.D. GmbH  
Daimlerstr. 20  
76344 Eggenstein Germany  
+49 (0) 721 - 78 20 29 - 0 Fax+49 (0) 721 - 78 20 29 - 11  
EHS / Compliance: lab@water-id.com

#### 1.4 - Emergency telephone number

- 慕尼黑毒物控制中心  
电话: +49(0)89/19 24 0  
德国  
24小时服务  
语言: 德语, 英语  
也请致电 China  
- Poison Control Center Munich  
Tel: +49 (0) 89 / 19 24 0  
Germany  
24 hour service  
Languages: German, English  
please also call from: China

### SECTION 2: Hazards identification

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

Acute Tox. 4 Oral	Acute toxicity (oral) - Category 4
-------------------	------------------------------------

#### 2.2 - Label elements

Contains: ethanediol, ethylene glycol (CAS No.: 107-21-1)

Signal word Warning  
Hazard pictograms



Hazard statements

H302	Harmful if swallowed
------	----------------------

## Electronic Conductivity Neutralizer

### Precautionary statements

P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P301+P312	IF SWALLOWED: Call a POISON CENTER, a doctor if you feel unwell.
P330	Rinse mouth.
P501	Dispose of contents, container to an appropriate recycling or disposal facility.

### 2.3 - Other hazards

Other hazards which do not result in classification - May cause damage to organs through prolonged or repeated exposure.

## SECTION 3: Composition / information on ingredients

### 3.1 - Substances

Not applicable

### 3.2 - Mixtures

Chemical name	No	%	Class	Spec. concentrations
ethanediol, ethylene glycol	CAS No. : 107-21-1 Index No. : 603-027-00-1 EC No. : 203-473-3	70 - 90	Acute Tox. 4 Oral - H302	Not applicable
water	CAS No. : 7732-18-5 Index No. : EC No. : 231-791-2	10 - 50		Not applicable
acetic acid ... %	CAS No. : 64-19-7 Index No. : 607-002-00-6 EC No. : 200-580-7	< 10		Not applicable
sodium α-(3-bromo-5-isopropyl-4-oxo-2-methyl-2,5-cyclohexadienylidene)-2-(3-bromo-4-hydroxy-5-isopropyl-2-methylphenyl)toluenesulphonate	CAS No. : 34722-90-2 Index No. : EC No. : 252-169-7	< 1		Not applicable

## SECTION 4: First aid measures

### 4.1 - Description of first aid measures

<u>Following inhalation</u>	- No special measures are necessary. - Provide fresh air.
<u>Following skin contact</u>	- Wash immediately with: Water - When in doubt or if symptoms are observed, get medical advice.
<u>After eye contact</u>	- Rinse immediately carefully and thoroughly with eye-bath or water. - In case of eye irritation consult an ophthalmologist.
<u>After ingestion</u>	- Seek medical advice immediately. - Symptoms may develop several hours following exposure; medical observation therefore necessary for at least 48 hours. - Rinse mouth thoroughly with water. - Medical treatment necessary.

---

## Electronic Conductivity Neutralizer

---

- When in doubt or if symptoms are observed, get medical advice.

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

Symptoms and effects - Following inhalation - No information available.

Symptoms and effects - Following skin contact - No information available.

Symptoms and effects - After eye contact - No information available.

Symptoms and effects - After ingestion - No information available.

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

- Treat symptomatically. Antidotal dispensation.

---

## SECTION 5: Firefighting measures

---

### 5.1 - Extinguishing media

Suitable extinguishing media

- ABC-powder
- Carbon dioxide (CO<sub>2</sub>)
- Foam
- Extinguishing powder

Unsuitable extinguishing media - Full water jet

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

Special hazards arising from the substance or mixture - No information available.

### 5.3 - Advice for firefighters

- Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
- Do not allow run-off from fire-fighting to enter drains or water courses.

---

## SECTION 6: Accidental release measures

---

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

For non-emergency personnel

- Use personal protection equipment.
- Provide adequate ventilation.

For emergency responders - No information available.

### 6.2 - Environmental precautions

- Do not allow to enter into surface water or drains.
- Ensure waste is collected and contained.

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

Methods and material for containment - Soak up inert absorbent and dispose as waste requiring special attention.

Methods and material for cleaning up

- Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
- Take up carefully when dry.

## Electronic Conductivity Neutralizer

- Clear contaminated areas thoroughly.
- Clean contaminated articles and floor according to the environmental legislation.

### Inappropriate techniques

- No information available.

## SECTION 7: Handling and storage

### 7.1 - Precautions for safe handling

#### Recommendation

- After use replace the closing cap immediately.
- Avoid exposure - obtain special instructions before use.

#### Advices on general occupational hygiene

- Wash contaminated clothing prior to re-use.
- When using do not eat, drink, smoke, sniff.
- Thorough skin-cleansing after handling the product.
- Wash hands before breaks and after work.

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

- Storage class Non-combustible substances of acute toxicity, category 1 and 2 / very toxic substances (liquid)
- Do not store together with: Food and feedingstuffs

## SECTION 8: Exposure controls/personal protection

### 8.1 - Control parameters

### 8.2 - Exposure controls

#### Appropriate engineering controls

- No information available.

### 8.3. - Individual protection measures, such as personal protective equipment

- Tested protective gloves must be worn



- Suitable protective clothing: lab coat



## SECTION 9: Physical and chemical properties

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

<u>Physical state</u>	Liquid	<u>Appearance</u>	Liquid
<u>Colour</u>	orange	<u>Odour</u>	stinging
<u>Odour threshold</u>		No data available	
<u>pH</u>		2,73	
<u>Melting point</u>		No data available	
<u>Freezing point</u>		No data available	
<u>Boiling point</u>		No data available	

## Electronic Conductivity Neutralizer

Flash point	No data available
Evaporation rate	No data available
flammability	No data available
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Density	No data available
Solubility (Water)	No data available
Solubility (Ethanol)	No data available
Solubility (Acetone)	No data available
Solubility (Organic solvents)	No data available
Log KOC	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available

### 9.2 - Other information

VOC content	No data available
Minimum ignition energy	No data available
Conductivity	No data available

## SECTION 10: Stability and reactivity

### 10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

### 10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

### 10.4 - Conditions to avoid

- No information available.

### 10.5 - Incompatible materials

- No information available.

### 10.6 - Hazardous decomposition products

- Does not decompose when used for intended uses.

## SECTION 11: Toxicological information

### 11.1 - Information on toxicological effects

Acute toxicity - Acute toxicity (oral) - Category 4 - Harmful if swallowed

## Electronic Conductivity Neutralizer

### Toxicity : Mixture

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

- No information available.

### Toxicity : Substances

ethanediol, ethylene glycol (107-21-1)	
LD50 oral (rat)	4700 mg/kg

Skin corrosion/irritation - Not classified

Serious eye damage/eye irritation - Not classified

Respiratory or skin sensitisation - Not classified

Germ cell mutagenicity - Not classified

Carcinogenicity - Not classified

Reproductive toxicity - Not classified

STOT-single exposure - Not classified

- data lacking

STOT-repeated exposure - Not classified

Aspiration hazard - Not classified

## SECTION 12: Ecological information

### 12.1 - Toxicity

#### Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

#### Toxicity : Substances

ethanediol, ethylene glycol (107-21-1)	
EC50 48 hr crustacea	> 100 mg/l
LC50 96 hr fish	> 72860 mg/l
ErC50 algae	< 13000 mg/l

## Electronic Conductivity Neutralizer

NOEC chronic crustacea	1000 mg/l
------------------------	-----------

- The substance/mixture does not fulfill the criteria of the acute aquatic toxicity according to Regulation (EC) No 1272/2008 [CLP], Annex I.

### 12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- No information available.

### 12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

- No indication of bioaccumulation potential.

### 12.4 - Mobility in soil

- No information available.

### 12.6 - Other adverse effects

- No information available.

## SECTION 13: Disposal considerations

### 13.1 - Waste treatment methods

<u>Waste treatment methods</u>	- Dispose of waste according to applicable legislation.
<u>Sewage disposal</u>	- No information available.
<u>Special precautions for waste treatment</u>	- Waste requires special monitoring. - Collect the waste separately. - Send to a hazardous waste incinerator facility under observation of official regulations. - The waste is to be kept separate from other types of waste until its disposal.
<u>Community or national or regional provisions</u>	- No information available.

## SECTION 14: Transport information

### 14.1 - UN number

<u>UN number (ADR)</u>	:	Not applicable
<u>UN number (RID)</u>	:	Not applicable
<u>UN number (IMDG)</u>	:	Not applicable
<u>UN number (IATA)</u>	:	Not applicable

### 14.2 - UN proper shipping name

### 14.3 - Transport hazard class(es)

ADR Classification code: :

---

## Electronic Conductivity Neutralizer

---

14.4 - Packing group

14.5 - Environmental hazards

Environmental hazards :

Marine pollutant :

14.6 - Special precautions for user

14.7 - Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

---

### SECTION 15: Regulatory information

---

15.1 - Safety, health and environmental regulations/legislation specific for the substance or mixture

VOC content No data available

- Substance/product listed in the following inventories:

Community safety, health and environmental provisions, national laws Inventory of Existing Chemical Substances Produced or Imported in China (IECSC) (CAS No. : 107-21-1, CAS No. : 7732-18-5, CAS No. : 64-19-7, CAS No. : 34722-90-2)  
Catalog of Hazardous Chemicals(2015) (CAS No. : 64-19-7)

15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product - No information available.

---

### SECTION 16: Other information

---

SDS versions

Version	Issue date	Description of the amendments
1	22.04.2020	Creation

literature information ordinance (EG) Nr. 1272/2008 (CLP, EU-GHS)

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

\*\*\* \*\*