

**SAFETY DATA SHEET**  
**ELECTROLYTIC CELL CONNECTION COMPOUND - Chloralkali grade**

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

**1.1. Product identifier**

**Product name** ELECTROLYTIC CELL CONNECTION COMPOUND - Chloralkali grade  
**Product No.** E3C-CA10K, EE3C-CA10K, EE3C-CA35SL, ZE

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

**Identified uses** Protection compound  
**Uses advised against** At this moment in time we do not have information on use restrictions. They will be included in this safety data sheet when available

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

**Supplier** ELECTROLUBE. A division of HK  
WENTWORTH LTD  
ASHBY PARK, COALFIELD WAY,  
ASHBY DE LA ZOUCH, LEICESTERSHIRE  
LE65 1JR  
UNITED KINGDOM  
+44 (0)1530 419600  
+44 (0)1530 416640  
info@hkw.co.uk

**1.4. Emergency telephone number**

+44 (0)1530 419600 between 8.30am - 5.00pm GMT Mon – Fri

**SECTION 2: HAZARDS IDENTIFICATION**

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

**Classification (EC 1272/2008)**

Physical and Chemical Hazards	Not classified.
Human health	Not classified.
Environment	Not classified.

**Classification (1999/45/EEC)**

Not classified.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**2.2. Label elements**

**Label In Accordance With (EC) No. 1272/2008**

No pictogram required.

**Supplemental label information**

EUH208

Contains N,N-bis(2-ethylhexyl)-4-methyl-1H-benzotriazole-1methylamine. May produce an allergic reaction.

**2.3. Other hazards**

Not Classified as PBT/vPvB by current EU criteria.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.2. Mixtures**

# ELECTROLYTIC CELL CONNECTION COMPOUND - Chloralkali grade

<b>A MIXTURE OF ISOMERS OF: C7-9-ALKYL 3-(3,5-DI-TRANS-BUTYL-4-HYDROXYPHENYL)PROPIONATE</b>		<b>1-5%</b>
CAS-No.: 125643-61-0	EC No.: 406-040-9	
Classification (EC 1272/2008) Aquatic Chronic 4 - H413	Classification (67/548/EEC) R53	
<b>N,N-bis(2-ethylhexyl)-4-methyl-1H-benzotriazole-1methylamine</b>		<b>&lt;0.5%</b>
CAS-No.: 80584-90-3	EC No.: 279-503-4	
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Xi;R38. N;R51/53. R43.	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## Composition Comments

Ingredients not listed are classified as non-hazardous or at a concentration below reportable levels.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### Inhalation

Not relevant

#### Ingestion

Rinse mouth thoroughly. Drink plenty of water. Get medical attention.

#### Skin contact

Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

#### Eye contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

#### Skin contact

Prolonged or repeated contact with skin may cause redness, itching, irritation and eczema/chapping.

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

Treat Symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### Extinguishing media

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

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

#### Hazardous combustion products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

#### Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

#### Specific hazards

The product is non-combustible. If heated, harmful vapours may be formed.

### 5.3. Advice for firefighters

#### Special Fire Fighting Procedures

No specific fire fighting procedure given.

#### Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Wear protective clothing as described in Section 8 of this safety data sheet.

**6.2. Environmental precautions**

Avoid release to the environment. Do not discharge into drains, water courses or onto the ground.

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

Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area.

**6.4. Reference to other sections**

Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards. For waste disposal, see section 13.

**SECTION 7: HANDLING AND STORAGE**

**7.1. Precautions for safe handling**

Avoid spilling, skin and eye contact.

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

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

**Storage Class**

Unspecified storage.

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

The identified uses for this product are detailed in Section 1.2.

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

**8.1. Control parameters**

**Ingredient Comments**

No exposure limits noted for ingredient(s).

**8.2. Exposure controls**

**Process conditions**

Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station.

**Engineering measures**

All handling to take place in well-ventilated area.

**Hand protection**

Use suitable protective gloves if risk of skin contact. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Gloves should conform to EN374

**Eye protection**

If risk of splashing, wear safety goggles or face shield. EN166

**Other Protection**

Wear appropriate clothing to prevent any possibility of skin contact.

**Hygiene measures**

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

**Environmental Exposure Controls**

Keep container tightly sealed when not in use.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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

<b>Appearance</b>	Grease
<b>Colour</b>	Cream.
<b>Solubility</b>	Insoluble in water

# ELECTROLYTIC CELL CONNECTION COMPOUND - Chloralkali grade

Relative density 0.85 @ 20 °c

## 9.2. Other information

### SECTION 10: STABILITY AND REACTIVITY

#### 10.1. Reactivity

There are no known reactivity hazards associated with this product.

#### 10.2. Chemical stability

Stable under normal temperature conditions.

#### 10.3. Possibility of hazardous reactions

Not known.

##### Hazardous Polymerisation

Will not polymerise.

#### 10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time.

#### 10.5. Incompatible materials

##### Materials To Avoid

No specific, or groups of materials are likely to react to produce a hazardous situation.

#### 10.6. Hazardous decomposition products

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1. Information on toxicological effects

##### Toxicological information

There is no data on the product itself.

##### Other Health Effects

This substance has no evidence of carcinogenic properties.

##### Inhalation

No specific health warnings noted.

##### Ingestion

Irritating. May cause nausea, stomach pain and vomiting.

##### Skin contact

The product contains a small amount of sensitising substance which may provoke an allergic reaction among sensitive individuals after repeated contact.

##### Eye contact

Irritating and may cause redness and pain.

##### Health Warnings

No specific health warnings noted. EYES, NOSE AND MOUTH. Repeated exposure may cause chronic eye irritation. SKIN. Mild dermatitis, allergic skin rash. Defatting, drying and cracking of skin.

##### Toxicological information on ingredients.

Styrene-Ethylene Copolymer (CAS: 68648-89-5)

Benzamine, N phenyl, reaction product with 2,4,4 trimethylpentene (CAS: 68411-46-1)

##### Acute toxicity:

##### Acute Toxicity (Oral LD50)

> 2000 mg/kg Rat

##### Acute Toxicity (Dermal LD50)

> 2000 mg/kg Rat

**SECTION 12: ECOLOGICAL INFORMATION****Ecotoxicity**

Not regarded as dangerous for the environment.

**12.1. Toxicity**Ecological information on ingredients.**Benzamine, N phenyl, reaction product with 2,4,4 trimethylpentene (CAS: 68411-46-1)****Acute Toxicity - Fish**

LC50 96 hours > 71 mg/l Brachydanio rerio (Zebra Fish)

**Acute Toxicity - Aquatic Invertebrates**

EC50 48 hours 51 mg/l Daphnia magna

**Acute Toxicity - Aquatic Plants**

EC50 72 hours > 100 mg/l Scenedesmus subspicatus

**N,N-bis(2-ethylhexyl)-4-methyl-1H-benzotriazole-1methyamine (CAS: 80584-90-3)**

LC 50, 96 Hrs, Fish mg/l

1.3

EC 50, 48 Hrs, Daphnia, mg/l

1.4

IC 50, 72 Hrs, Algae, mg/l

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**12.2. Persistence and degradability****Degradability**

There are no data on the degradability of this product.

Ecological information on ingredients.**Benzamine, N phenyl, reaction product with 2,4,4 trimethylpentene (CAS: 68411-46-1)****Degradability**

The product is not biodegradable.

**12.3. Bioaccumulative potential****Bioaccumulative potential**

No data available on bioaccumulation.

**12.4. Mobility in soil****Mobility:**

The product contains substances, which are insoluble in water and which may spread on water surfaces.

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

This product does not contain any PBT or vPvB substances.

**12.6. Other adverse effects**

Not available.

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods**

Dispose of waste and residues in accordance with local authority requirements.

**SECTION 14: TRANSPORT INFORMATION****General**

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

**Road Transport Notes**

Not Classified

**Rail Transport Notes**

Not classified.

**Sea Transport Notes**

Not classified.

**Air Transport Notes**

Not classified.

# ELECTROLYTIC CELL CONNECTION COMPOUND - Chloralkali grade

## 14.1. UN number

## 14.2. UN proper shipping name

## 14.3. Transport hazard class(es)

### Transport Labels

No transport warning sign required.

## 14.4. Packing group

## 14.5. Environmental hazards

### Environmentally Hazardous Substance/Marine Pollutant

No.

## 14.6. Special precautions for user

Tunnel Restriction Code (E)

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

No information required.

## SECTION 15: REGULATORY INFORMATION

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

#### Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health.

#### Guidance Notes

Workplace Exposure Limits EH40.

#### EU Legislation

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

#### Authorisations (Title VII Regulation 1907/2006)

No specific authorisations are noted for this product.

#### Restrictions (Title VIII Regulation 1907/2006)

No specific restrictions of use are noted for this product.

#### Water hazard classification

WGK 2

### 15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

## SECTION 16: OTHER INFORMATION

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## ELECTROLYTIC CELL CONNECTION COMPOUND - Chloralkali grade

### Risk Phrases In Full

R38	Irritating to skin.
R53	May cause long-term adverse effects in the aquatic environment.
R43	May cause sensitisation by skin contact.
NC	Not classified.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### Hazard Statements In Full

H413	May cause long lasting harmful effects to aquatic life.
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### Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.