

# ECB (Electro-Chemical Barrier)

## Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2015

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#### SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

##### 1.1 Product identifier

###### Product Form

- Liquid

###### Product Name

- ECB (Electro-Chemical Barrier)

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

###### Use of Substance

- Protect reinforcing steel and metal embedded in concrete against corrosion.

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

- Conproco Corporation  
17 Production Drive  
Dover, NH 03820

Telephone: 800.258.3500

##### 1.4 Emergency telephone numbers

- CHEMTREC 800.725.7383
- CHEMTREC International +1.703.527.3887 24 hr

#### SECTION 2 HAZARDS IDENTIFICATION

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

- Acute toxicity 1
- Skin irritation 1
- Serious eye damage 1
- Skin sensitization 1

##### 2.2 Label elements

###### Hazard Pictograms



###### Signal Word

- Warning

#### Hazard Statement

- Harmful if swallowed.
- Causes skin irritation.
- Causes serious eye damage.
- Can cause allergic skin reaction.
- May cause cancer.
- May cause respiratory irritation.
- Causes damage to organs through prolonged exposure.

#### Precautionary Statements

- Keep in original container.
- Do not eat, drink, or smoke when using these products.
- Wash hands thoroughly after handling.
- Do not handle until all safety precautions have been read and understood.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Use in a well ventilated area.
- Absorb spillage to prevent material damage.
- If exposed or concerned: Get medical advice/attention.
- If swallowed: Immediately call a poison center/doctor. Rinse mouth.
- If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if easy to do so. Continue rinsing. Immediately call a poison center/doctor.
- If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs. Get medical advice/attention.
- If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell.
- Store locked up.
- Store in a well ventilated place.
- Keep container tightly closed/ Dispose of contents and container in accordance with all local, regional, national, and international regulations.

##### 2.3 Other hazards

**Not Available.**

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### SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Mixtures

- Conproco ECB (Electro-Chemical Barrier)

#### 3.2 Hazardous

Substance Name	CAS No.	Concentration %	GHS – US Classification
Ammonia	1336-21-6	<1	Skin Irrit. 1 H324 STOT SE H335
Ammonium Benzonate	1863-63-4	<4	Skin Irrit. 2 H315 Eye Dam. 1 H318 Skin Sens. 1 H317 STOT SE 3 H335
Propylene Glycol	57-55-6	<2	Skin Irrit. 1 H315 Eye Dam. 1 H318 Skin Sens. 1 H317 STOT SE 3 H335

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### SECTION 4 FIRST AID MEASURES

#### 4.1 Description of first aid measures

##### Following inhalation

- If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

##### Following skin contact

- OBTAIN IMMEDIATE MEDICAL ATTENTION. Remove contaminated clothing and safely dispose of. After contact, wash with soap immediately.

##### Following eye contact

- In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.

##### Following ingestion

- If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Immediately call a POISON CENTER or doctor/physician.

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

##### Symptoms –

##### Injury after inhalation

- May cause respiratory tract irritation.

##### Symptoms –

##### Injury after skin contact

- Causes skin irritation.
- Do not allow product to have prolonged contact with skin.
- Handling can cause dry skin.
- May cause sensitization by skin contact.

##### Symptoms –

##### Injury after eye contact

- Causes serious eye damage.
- Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

##### Symptoms –

##### Injury after ingestion

- Harmful if swallowed.
- May cause stomach distress, nausea or vomiting.

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

- Symptoms may not appear immediately.
- In case of accident or if you feel unwell, seek medical advice immediately.

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### SECTION 5 FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

##### Suitable extinguishing media

- Use dry chemical, carbon dioxide, foam or water to extinguish.
- Foam or water may create a slippery condition; spread sand or grit.

##### Unsuitable extinguishing media

- None.

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

##### Fire Hazard

- No specific fire or explosion hazard.

#### 5.3 Advice for fire-fighters

##### Firefighting instructions

- None, unless mixed with flammable materials.

### SECTION 6 ACCIDENTAL RELEASE MEASURES

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

##### General procedure

- Use personal protection recommended in Section 8.
- Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

#### 6.2 Methods and materials for containment and cleaning up

##### For containment

- Contain spill, then place in a suitable container.
- Do not flush to sewer or allow to enter waterways.
- Use appropriate personal protection.

#### Methods for cleaning up

- Water contaminated with this product may be sent to a sanitary treatment facility in accordance with a local permit, to a treatment facility or discharged under a NPDES permit.
- Dispose of all waste in accordance with local, state, and federal regulations.

#### 6.3 Reference to other sections

No additional information.

### SECTION 7 HANDLING & STORAGE

#### 7.1 Precautions for safe handling

- Avoid contact with skin and eyes.
- The use of compressed air for cleaning clothing, equipment, etc., is not recommended.
- Handle and open container with care.
- When using, do not eat, drink or smoke.

#### Hygiene measures

- Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.
- Appropriate techniques should be used to remove potentially contaminated clothing.
- Wash contaminated clothing before reusing.
- Ensure that eyewash stations and safety showers are close to the workstation location.

#### 7.2 Conditions for safe storage, including any incompatibility

##### Storage conditions

- Keep out of the reach of children.
- Store in tight, dry, labelled containers.
- Keep container tightly closed when not in use.
- Keep in well ventilated area.
- Protect from freezing.

#### 7.3 Specific end uses

No additional information.

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### SECTION 8 EXPOSURE CONTROLS PERSONAL PROTECTION

#### 8.1 Control parameters

Propylene Glycol (57-55-6)		
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	Not available
Ammonia (1336-21-6)		
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	17 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	24 mg/m <sup>3</sup>

#### 8.2 Exposure controls

##### Appropriate engineering controls

- Use adequate ventilation.
- Avoid dust production.

##### Personal protection equipment

- Mask, gloves, safety glasses

##### Hand protection

- Cloth gloves

##### Eye protection

- Safety glasses

##### Skin and body protection

- Handle with good industrial hygiene and safety practice.
- Always wash hands after handling this product, and once again before leaving the workplace.
- Wear suitable protective clothing, and wash clothing before next use.

##### Respiratory protection

- Use NOISH-approved air-purifying or supplied air respirator.

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### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

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

- Physical state.....liquid
- Appearance.....opaque viscous liquid
- Color.....gray
- Odor.....mild
- Odor threshold.....n/a
- pH.....9.5-10
- Relative evaporation rate.....<1 (Ether = 1)
- Melting point.....n/a
- Freezing point.....n/a
- Boiling point.....n/a
- Flash point.....>200°F
- Auto-ignition temperature...n/a
- Decomposition temperature..n/a
- Flammability (solid/gas).....n/a
- Vapor pressure.....17 mm Hg @ 20°C
- Relative vapor density (20°C)..n/a
- Relative density.....n/a
- Specific gravity.....1.3
- Density.....n/a
- Solubility.....reducible by water
- Log Pow.....n/a
- Log Kow.....n/a
- Kinematic viscosity.....n/a
- Dynamic viscosity.....n/a
- Explosive properties.....n/a
- Oxidizing properties.....n/a
- Explosive limits.....n/a

#### 9.2 Other information

**No additional information.**

### SECTION 10 STABILITY AND REACTIVITY

#### 10.1 Reactivity

- No dangerous reaction will occur under normal circumstances.

#### 10.2 Chemical stability

- No data available.

#### 10.3 Possibility of hazardous reactions

- None.

#### 10.4 Conditions to avoid

- None.

#### 10.5 Incompatible materials

- None.

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### SECTION 11 TOXICOLOGICAL INFORMATION

#### 11.1 Information of toxicological effects

#### Propylene Glycol (57-55-6)

LD50 Oral Rabbit 18500 mg/kg

#### Ammonia (1336-21-6)

LD50 Oral Rabbit 350 mg/kg

#### Zinc Oxide

LD50 Oral Rat 235 mg/kg

#### Skin corrosion – irritation

- Causes skin irritation.

#### Serious eye damage – irritation

- Causes serious eye damage.

#### Respiratory of skin sensitization

- May cause an allergic skin reaction.

#### Germ cell mutagenicity

- Classification criteria not met.

#### Carcinogenicity

- May cause cancer.

#### Reproductive toxicity

- Classification criteria not met.

#### Specific target organ toxicity (single exposure)

- May cause respiratory irritation.

#### Specific target organ toxicity (repeated exposure)

- Can cause damage to organs through prolonged or repeated organ exposure.

### Symptoms

Symptoms – injuries after inhalation

May cause respiratory tract irritation

Symptoms – injuries after skin contact

Causes skin irritation. Do not allow product to have prolonged contact with skin. Handling can cause dry skin. May cause sensitization by skin contact.

Symptoms – injuries after eye contact

Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Symptoms – injuries after ingestion

Harmful if swallowed. May cause stomach distress, Nausea or vomiting.

Other information

Likely routes of exposure: ingestion, inhalation, skin and eye.



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### SECTION 12 ECOLOGICAL INFORMATION

#### 12.1 Toxicity

##### Ecological – general

- No ecological consideration when used according to directions.
- Normal dilution of this product to drains, sewers, septic systems and treatment plants is not considered environmentally harmful.

#### 12.2 Persistence and degradability

- N/a

#### 12.3 Bioaccumulative potential

- N/a

#### 12.4 Mobility in soil

- N/a

#### 12.5 Other adverse effects

- N/a

### SECTION 13 DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

##### Waste disposal recommendations

- The generation of waste should be avoided or minimized wherever possible.
- Empty containers or liners may retain some product residues.
- This material and its container must be disposed of in a safe way.
- Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.
- Disposal of this product, solutions and any byproducts should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
- Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

### SECTION 14 TRANSPORT INFORMATION

#### 14.1 UN number

- Not available.

#### 14.2 UN proper shipping name

- Not available.

#### 14.3 Additional information

- None.

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### SECTION 15 REGULATORY INFORMATION

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

##### Propylene Glycol (57-55-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

##### Ammonia (1336-21-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

##### Ammonium Benzoate (1863-63-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### 15.2 US State Regulations

##### ECB (Electro-Chemical Barrier)

State or local regulations

This product contains no hazardous chemicals that could not be treated by a water treatment facility.

#### Carcinogenic classification

##### IARC (I)

##### International Agency for Research on Cancer

1 – Carcinogenic to humans

2A – Probably carcinogenic to humans

2B – Possibly carcinogenic to humans

3 – Not classifiable

4 – Probably not carcinogenic to humans

##### NTP (N)

##### National Toxicology Program

1 – Evidence for carcinogenicity

2 – Known human carcinogen

3 – Reasonably anticipated to be Human Carcinogen

4 – Substances delisted from report on Carcinogens

5 – Twelfth Report – items under consideration

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### SECTION 16 OTHER INFORMATION

#### 16.1 Other information

- This document was created in accordance to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2015.

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