

ECB (Electro-Chemical Barrier)

Safety Data Sheet

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

Date of Issue: 06/08/2015

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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:

Supplier:
Conproco Corporation
17 Production Drive
Dover, NH, 03820
T- 800.258.3500

1.4 EMERGENCY TELEPHONE NUMBER:

Emergency Number : 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

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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

SECTION 3. Composition/information on ingredients

3.1 Mixtures:

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3.2 Hazardous ingredients:

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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

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.

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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

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.
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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 material 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 and storage

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7.1 Precautions for safe handling

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 incompatibilities:

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

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Propylene Glycol (57-55-6)		
USA ACGIH	ACGIH TWA (mg/m ³)	10 mg/m ³
USA OSHA	OSHA PEL (TWA) (mg/m ³)	Not available

Ammonia (1336-21-6)		
USA ACGIH	ACGIH TWA (mg/m ³)	17 mg/m ³
USA OSHA	OSHA PEL (TWA) (mg/m ³)	24 mg/m ³

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8.2 Exposure controls

Appropriate Engineering Controls	:	Use adequate ventilation. Avoid dust production.
Personal Protective 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.

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

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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 in 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 conditions.

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

SECTION 11: Toxicological information

11.1 Information of Toxicological Effects:

Propylene Glycol (57-55-6)	
LD50 Oral Rabbit	18500 mg/kg

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Ammonia (1336-21-6)	
LD50 Oral Rat	350 mg/kg

Ammonium Benzoate (1863-63-4)	
LD50 Oral Rat	235 mg/kg

Skin corrosion/irritation	: Causes skin irritation
Serious eye damage/irritation	: Causes serious eye damage
Respiratory of skin sensitisation	; 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 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.

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.
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12.2 Persistence and Degradability:

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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:

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None

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:

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

Carcinogenic Classifications

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

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	<ul style="list-style-type: none">1 – Evidence fo Carcinogenicity2 – Known Human Carcinogens3 –Reasonably anticipated to be Human Carcinogen4 – Substances delisted from report on Carcinogens5 – Twelfth Report – Items under consideration
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SECTION 16: Other information:

Other Information : This document was made in accordance to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2015