RainBloc® Admixtures  
(RainBloc®, RainBloc® 80, and RainBloc® for Mortar)

SECTION 1. IDENTIFICATION

Product Identifier: RainBloc® Admixtures (RainBloc®, RainBloc® 80, and RainBloc® for Mortar)  
Product Family: RainBloc®  
Recommended Use: Chemical admixtures for manufactured concrete products and masonry mortars.  
Restrictions on Use: For industrial use only.  
Manufacturer: ACM Chemistries, Inc., P.O. Box 920430, Norcross, GA, 30010, (770) 417-3490  
Emergency Phone No.: ACM Chemistries, Inc., (800)-424-9300, 24 hours  
SDS No.: 003-001  
Date of Preparation: May 27, 2015

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification  
Skin corrosion/irritation - Category 2;  
Serious eye damage/eye irritation - Category 2B

GHS Label Elements

Warning
H315  Causes skin irritation.  
H320  Causes eye irritation.  

Prevention:
P280  Wear protective gloves and eye protection.  
P264  Wash hands and skin thoroughly after handling.  

Response:
P302 + P352  IF ON SKIN: Wash with plenty of soap and water.  
P332 + P313  If skin irritation occurs: Get medical attention.  
P362 + P364  Take off contaminated clothing and wash it before reuse.  
P305 + P351 + P338  IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313  If eye irritation occurs: Get medical attention.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>%</th>
<th>Other Identifiers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-hazardous Proprietary Ingredients</td>
<td>CBI*</td>
<td>≤ 50</td>
<td></td>
</tr>
<tr>
<td>Triethanolamine</td>
<td>00102-71-6</td>
<td>≤ 5</td>
<td></td>
</tr>
<tr>
<td>Diethanolamine</td>
<td>00111-42-2</td>
<td>≤ 0.05</td>
<td></td>
</tr>
</tbody>
</table>
SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation
Move to fresh air.

Skin Contact
Avoid direct contact. Wear chemical protective clothing if necessary. Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. If skin irritation occurs get medical advice/attention.

Eye Contact
Avoid direct contact. Wear chemical protective gloves if necessary. Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. If eye irritation persists, get medical advice/attention.

Ingestion
Rinse mouth with water. Do not induce vomiting. If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again. Get medical advice/attention if you feel unwell or are concerned.

Most Important Symptoms and Effects, Acute and Delayed
If on skin: can cause effects as described for skin contact. If in eyes: may cause mild irritation.

Immediate Medical Attention and Special Treatment

Special Instructions
Not applicable.

Medical Conditions Aggravated by Exposure
None known.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

Specific Hazards Arising from the Chemical
In a fire, the following hazardous materials may be generated: carbon monoxide, carbon dioxide, nitrous oxides, silicon oxides, and sulfur oxides.

Special Protective Equipment and Precautions for Fire-fighters
Evacuate area. Fight fire from a safe distance or a protected location.
See Skin Protection in Section 8 (Exposure Controls/Personal Protection) for advice on suitable chemical protective materials.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures
Use the personal protective equipment recommended in Section 8 of this safety data sheet.

Environmental Precautions
It is good practice to prevent releases into the environment.

Methods and Materials for Containment and Cleaning Up
Small spills or leaks: stop or reduce leak if safe to do so. Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal.

Large spills or leaks: dike spilled product to prevent runoff. Remove or recover liquid using pumps or vacuum equipment.

Other Information
Report spills to local health, safety and environmental authorities, as required.
SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling
Prevent skin contact.
Do not get in eyes.
Avoid breathing in this product.
Only use where there is adequate ventilation.
Wear personal protective equipment to avoid direct contact with this chemical.
Keep containers tightly closed when not in use or empty.

General hygiene considerations: do NOT eat, drink or store food in work areas. Wash hands thoroughly after handling this product and before eating, using the washroom or leaving work area.

Conditions for Safe Storage
Protect from freezing.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV® TWA</th>
<th>OSHA PEL STEL</th>
<th>AIHA WEEL TWA</th>
<th>Ceiling</th>
<th>8-hr TWA</th>
<th>TWA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethanolamine</td>
<td>1 mg/m3</td>
<td>3 ppm</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Triethanolamine</td>
<td>5 mg/m3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Individual Protection Measures

Eye/Face Protection
Wear chemical safety goggles.

Skin Protection
Wear impervious rubber gloves to prevent prolonged or repeated contact.
Suitable materials are: nitrile rubber, natural rubber, butyl rubber.

Respiratory Protection
Not normally required if product is used as directed.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance
White to off-white/beige/grey liquid. Particle Size: Not applicable

Odor
Mild

Odor Threshold
Not available

pH
6.0 - 10.0

Melting Point/Freezing Point
Not applicable (melting); Not available (freezing)

Initial Boiling Point/Range
Not available

Flash Point
> 200 °F (93 ºC)

Evaporation Rate
Not available

Flammability (solid, gas)
Not applicable

Upper/Lower Flammability or Explosive Limit
Not available (upper); Not available (lower)

Vapor Pressure
Not available

Vapor Density (air = 1)
Not available

Relative Density (water = 1)
0.95 - 1.05 at 25 ºC

Solubility
Dispersible in water; Not available (in other liquids)
SECTION 10. STABILITY AND REACTIVITY

Reactivity
None known.

Chemical Stability
Normally stable.

Conditions to Avoid
Freezing. Contamination. Temperatures below 4.4 °C (40.0 °F)

Incompatible Materials
Avoid contact with strong oxidizing agents and acids.

Hazardous Decomposition Products
Upon extended standing, alcohol may evolve due to hydrolysis.
In a fire, the following hazardous materials may be generated: carbon monoxide, carbon dioxide, nitrous oxides, silicone oxides, and sulfur oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LC50</th>
<th>LD50 (oral)</th>
<th>LD50 (dermal)</th>
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</thead>
<tbody>
<tr>
<td>Diethanolamine</td>
<td></td>
<td>710 mg/kg (rat)</td>
<td>12200 mg/kg (rabbit) (vapor)</td>
</tr>
<tr>
<td>Triethanolamine</td>
<td></td>
<td>5846 mg/kg (mouse)</td>
<td>&gt; 22,500 mg/kg (rabbit)</td>
</tr>
</tbody>
</table>

Skin Corrosion/Irritation
May cause irritation based on information for closely related chemicals.

Serious Eye Damage/Irritation
May cause irritation based on information for closely related chemicals.

Respiratory and/or Skin Sensitization
No information was located.

Carcinogenicity

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>IARC</th>
<th>ACGIH®</th>
<th>NTP</th>
<th>OSHA</th>
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</thead>
<tbody>
<tr>
<td>Diethanolamine</td>
<td>Group 2B</td>
<td></td>
<td>Not Listed</td>
<td>Not Listed</td>
</tr>
<tr>
<td>Triethanolamine</td>
<td>Group 3</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Not Listed</td>
</tr>
</tbody>
</table>

No information was located.
Reproductive Toxicity

Development of Offspring
No information was located.

Sexual Function and Fertility
No information was located.

Effects on or via Lactation
No information was located.

SECTION 12. ECOLOGICAL INFORMATION

Toxicity
No information was located.

Acute Aquatic Toxicity

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LC50 Fish</th>
<th>EC50 Crustacea</th>
<th>ErC50 Aquatic Plants</th>
<th>ErC50 Algae</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethanolamine</td>
<td>1460 mg/L (Pimephales promelas)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(fathead minnow); 96-hour</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Triethanolamine</td>
<td>450-1,000 mg/L (Lepomis macrochirus)</td>
<td>609.98 mg/L (Daphnia magna)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(bluegill); 96-hour</td>
<td>(water flea); 48-hour</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Persistence and Degradability
No information was located.

Bioaccumulative Potential
No information was located.

Mobility in Soil
No information was located.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods
This product is a non-hazardous waste. Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction.

SECTION 14. TRANSPORT INFORMATION


Environmental Hazards
Not applicable

Special Precautions for User
Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code
Not applicable
SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada
Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)
All ingredients are listed on the DSL/NDSL.

USA
Toxic Substances Control Act (TSCA) Section 8(b)
All ingredients are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.

Additional USA Regulatory Lists
CERCLA. (Diethanolamine) CERCLA RQ - 100 lb
SARA Title III - Section 302: No
SARA Title III - Section 311/312: Immediate (acute) health hazard
SARA Title III - Section 313: Yes. (Diethanolamine)

SECTION 16. OTHER INFORMATION

Revision Indicators  SDS Prepared by M. Oesterle; Date of Preparation: May 27, 2015.
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