Safety Data Sheet

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
P338	and easy to do. Continue rinsing.
P337 + P313	If eye irritation occurs: Get medical attention.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
Non-hazardous Proprietary Ingredients	CBI*	≤ 50	
Triethanolamine	00102-71-6	≤ 5	
Diethanolamine	00111-42-2	≤ 0.05	

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

	ACGIH TLV®		OSHA PEL		AIHA WEEL	
Chemical Name	**TWA**	**STEL**	**TWA**	**Ceiling**	**8-hr TWA**	**TWA**
Diethanolamine	1 mg/m3		3 ppm			
Triethanolamine	5 mg/m3					

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 ºF (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)

Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available (kinematic); 20 - 2000 centipoises (dynamic)

Other Information

Physical State	Liquid
Molecular Formula	Not applicable
Molecular Weight	Not applicable
Bulk Density	Not available
Surface Tension	Not applicable
Critical Temperature	Not available
Electrical Conductivity	Not available
Vapor Pressure at 50 deg C	Not available
Saturated Vapor Concentration	Not available

SECTION 10. STABILITY AND REACTIVITY

Reactivity

None known.

Chemical Stability

Normally stable.

Conditions to Avoid

Freezing. Contamination. Temperatures below 4.4 ºC (40.0 ºF)

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

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Diethanolamine		710 mg/kg (rat)	12200 mg/kg (rabbit) (vapor)
Triethanolamine		5846 mg/kg (mouse)	> 22,500 mg/kg (rabbit)

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

Chemical Name	IARC	ACGIH®	NTP	OSHA
Diethanolamine	Group 2B		Not Listed	Not Listed
Triethanolamine	Group 3	Not Listed	Not Listed	Not Listed

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

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

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

Not regulated under Canadian TDG Regulations. Not regulated under US DOT Regulations. Not regulated under IATA Regulations.

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.
Disclaimer	The information on this SDS was obtained from sources which are believed reliable. However, the information is provided without any warranty express or implied, regarding its correctness. The conditions or methods of handling, storage, use, and disposal of the product are beyond our control and beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with the storage, handling, use, or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.