



The Company with Connections[®]



METAL CORROSION PREVENTATIVE

WBAC

WATER-BASED ANTI-CORROSIVE

WBAC (Water-Based Anti-Corrosive) is a chemically formulated compound that will provide a protective layer on metal to avoid corrosion from the elements.

- Protects All Steel Formwork and Equipment
- Can Act as a Form Release
- Enhances Concrete Finish
- Safer than Alternative Products



APPLICATION RECOMMENDATIONS

All surfaces should be clean, dry, and free of dirt, dust, debris, oils, and other contaminants. WBAC can be applied by rolling, brushing, wiping or spraying.

WBAC will dry faster in warmer temperatures, with a minimum suggested temperature of 40°F.

SAFETY

Prior to working with this or any adhesive product consult product label and Safety Data Sheet (SDS) for necessary health and safety precautions.

LIFETIME EXPECTANCY

In full exposure to the elements, the coating should last a year. If the pieces are wrapped after coating, the protection could last multiple years.

COVERAGE

Recommended dry coverage thickness is 1.0 mil; one gallon would cover 595 ft². (A 48" diameter core, 48" tall is 75.4 ft²)

FEATURES AND BENEFITS

- Protects Metal From Corrosion
- No Flash Point
- No VOCs
- Biodegradable

FREQUENTLY ASKED QUESTIONS

Will concrete wear WBAC away?

Yes. The coating is impervious to water at neutral pH, but the high pH of water in wet concrete will soften or dissolve the WBAC.

Does WBAC have to be removed before pouring again?

No, unless the product's final finish is a consideration or if other release agents have adversely affected the outcome in any way. Test it on a small form to see in field results.

In-house testing of WBAC applied to mandrels have improved the aesthetic appearance of the concrete.

How is WBAC removed?

Normal removal calls for softening the WBAC with Simple Green cleaner followed by pressure washing. Clean nozzles with warm water immediately after use.

PACKAGING

WBAC	
Part Number	Description
WBAC-128	1 Gallon Pail
WBAC-640	5 Gallon Pail
WBAC-DRUM	55 Gallon Drum



Frequently Asked Questions

WBAC (Water-Based Anti-Corrosive)

WBAC is a chemically formulated compound that will provide a protective layer on metal to avoid corrosion from the elements. Protect your forms being stored outside with WBAC.



How much does a gallon cover? *One gallon covers 595 ft² at the recommended dry coverage thickness of 1.0 mil. (A 48" diameter core, 48" tall is 75.4 ft²)*

How is it applied? *Spray, brush, wipe or roll on. Surfaces should be clean prior to applying.*

How long will it last? *In full exposure to the elements, the coating should last a year. If the pieces are wrapped after coating, the protection could last multiple years.*

Will concrete wear it away? *Yes. The coating is largely impervious to water at neutral pH, but the high pH of water in wet concrete will soften or dissolve the WBAC.*

Does it have to be removed before pouring again? *No, unless the product's final finish is a consideration or if other release agents have adversely affected the outcome in any way. Test it on a small form to see in field results.*

How do you remove it? *Normal removal calls for softening the WBAC with Simpe Green cleaner followed by pressure washing.*

Is it biodegradable? *Yes, the material will safely break down in the environment.*

Is there a flash point? *No. The presence of flammable solvents such as alcohols or hydrocarbons are typical culprits in producing low flash points; WBAC contains nothing of this nature.*

Are there any VOCs? *No.*

What sizes are available? *1 gallon pail, 5 gallon pail or 55 gallon drum.*

NOTE: Prior to working with this product consult product label and Safety Data Sheet (SDS) for necessary health and safety precautions.

SAFETY DATA SHEET

1. Identification of the substance/mixture and of the company

1.1 Product identifier

Product Name:
Waterbase Anticorrosive
Lab Sample

Product ID numbers: Lab Sample

1.2 Relevant identified uses of the mixture and uses advised against

Identified uses: Anticorrosive

List of advices against: Not applicable.

1.3 Details of the supplier of the safety data sheet

Supplier/Manufacturer:

American Polywater Corporation

11222 - 60th Street North

Stillwater, MN 55082 USA

Tel: 1-651-430-2270

Email: sds@polywater.com

1.4 Emergency telephone numbers

INFOTRAC: 1-800-535-5053 1-352-323-3500

2. Hazards Identification

2.1 Classification of the substance or mixture

Classification according to USA OSHA 29 CFR 1910.1200 (2012) and Canada HPR (SOR/2015-17; WHMIS 2015).

Skin Irritation, Cat 2, H315

Eye Irritation, Cat 2, H319

2.2 Label elements

Contains: 2-dimethylaminoethanol, 2-(2-butoxyethoxy)ethanol



Pictograms:

Signal word: Warning

Hazard Statements:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary Statements:

P264 Wash thoroughly after handling.

P280 Wear protective gloves, protective clothing and eye protection.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P332 + P313 If skin irritation occurs: Get medical attention.

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 persists. Get medical attention.

P362 + P364

Take off contaminated clothing and wash it before reuse.

P501

Dispose of contents/container in accordance with local and national regulations.

2.3 Other hazards:

No information available.

3. Composition/Information on Ingredients

<u>Component</u>	<u>CAS #</u>	<u>EC #</u>	<u>Wt. %</u>
2-dimethylaminoethanol	108-01-0	203-542-8	≤ 2.5%
2-(2-butoxyethoxy)ethanol	112-34-5	203-961-6	≤ 2.5%

This product contains no other reportable hazardous components under OSHA 29 CFR 1910, 1200 Canada and European Regulation (EC) No 1272/2008. No additional ingredients require reporting based on applicable concentration and current supplier knowledge.

4. First Aid Measures**4.1 Description of first aid measures**

Eye Contact: Immediately flush eyes with large quantity of water for 15 minutes. Seek medical attention.

Skin Contact: Remove contaminated clothing; flush skin thoroughly with soap and water for at least 15 minutes. If irritation or allergic reaction occurs, seek medical attention.

Inhalation (Breathing): If irritation of nose or throat develops, move to fresh air. If irritation persists, seek medical attention.

Ingestion (Swallowing): Wash out mouth with water. Do not induce vomiting. If victim is unconscious, place on the left side with head down. Never give anything by mouth to an unconscious person. Do not leave victim unattended. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Refer to Section 11 for more information.

4.3 Indication of immediate medical attention and special treatment needed.

No information available.

5. Firefighting Measures**5.1 Extinguishing media:**

Water fog or fine spray, dry chemical carbon dioxide, or foam.

5.2 Special hazards arising from the substance or mixture

Dense smoke is emitted when burned without sufficient oxygen.

Hazardous decomposition and by-products:

Oxides of carbon, oxides of sulfur, oxides of nitrogen. May contain other combustion products of varying composition which may be toxic or irritating.

5.3 Advice for firefighters

Wear full protective clothing, including self-contained, positive pressure or pressure-demand breathing apparatus. Sealed container can build up pressure when exposed to high heat. Water fog may be used to cool fire exposed container to prevent pressure build-up and possible auto-ignition or rupture. Direct water stream may spread fire.

6. Accidental Release Measures**6.1 Personal precautions, protective equipment and emergency procedures:**

Isolate area. Use appropriate safety equipment.

6.2 Environmental precautions:

Avoid release to the environment. Refer to Section 12 for more information.

6.3 Methods materials for containment and cleaning up:

Absorb spill with sand or absorbents. Residual resin may be removed using steam or hot soapy water. Collect as much of the spilled material as possible using non-sparking tools and transfer to a container. Seal the container. Residual material can be removed with solvent.

6.4 Reference to other sections:

Refer to Sections 4, 5, 8, and 13 for more information.

7. Handling and Storage

7.1 Precautions for safe handling

Avoid personal contact with the product. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations. Wash thoroughly after handling. Wash contaminated clothing before reuse. For industrial or professional use only.

7.2 Conditions for safe storage, including incompatibilities

Keep containers cool, dry, and away from sources of ignition. Keep containers and cartridges capped and sealed. Protect from freezing. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

7.3 Specific end uses

See technical data sheet on this product for further information.

8. Exposure Controls / Personal Protection

8.1 Control parameters

Exposure limits and recommendations:

112-34-5 2-(2-butoxyethoxy)ethanol ($\leq 2.5\%$)

TLV Long-term value: 67.5* mg/m³, 10* ppm

*Inhalable fraction and vapor

8.2 Exposure controls

Respiratory protection:

Normal ventilation is adequate. If exposure exceeds recommended limits, respirator protection is recommended. Use a respirator or gas mask with cartridges for organic vapors (NIOSH-approved) or use supplied air equipment.

Protective gloves:

The use of chemically resistant gloves is recommended to prevent skin contact. Suitable materials include nitrile (included in most kits), neoprene, ethyl vinyl alcohol (EVAL), PVC.

Eye protection:

Safety glasses recommended.

Other protective equipment:

Use protective cream if skin contact is likely. Remove and wash contaminated clothing before reuse. Discard contaminated shoes.

9. Physical and Chemical

9.1 Information of basic physical and chemical properties

Appearance:	Viscous, light beige
Odor threshold:	Not available
pH:	8.7 - 10
Freezing point:	Not available
Boiling point:	Not available
Flash point:	Not applicable
Evaporation rate:	Not available
Flammability (solid, gas):	Not available
Upper/lower flammability or explosive limits:	Not available

Vapor pressure:	17 mm Hg @ 20°C
Vapor density (Air = 1):	Not available
Specific gravity (H₂O = 1):	0.95 – 1.01 @ 20°C
Solubility in water:	Miscible
Partition coefficient: n-octanol/water:	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not available

9.2 Other Information

Volatiles (Weight %):	0%
VOC Content:	0 g/l

10. Stability and Reactivity

10.1 Reactivity:

Reacts with acids.

10.2 Chemical stability:

Stable

10.3 Possibility of hazardous reactions:

Hazardous reactions will not occur under normal transport or storage conditions.

10.4 Conditions to avoid:

No further relevant information available.

10.5 Incompatible materials:

Acids

10.6 Hazardous decomposition products:

No dangerous decomposition products known.

11. Toxicological Information

11.1 Information on toxicological effects:

Acute toxicity

Eye contact:

Direct eye contact with material or vapors may cause eye irritation.

Skin contact:

May cause severe skin irritation, especially on prolonged contact.

Irritation and Sensitization Potential:

This product has high skin irritation potential.

Inhalation (Breathing):

Low vapor pressure makes this route of exposure unlikely. No known significant hazard.

Ingestion:

Material is considered slightly toxic. Ingestion may cause irritation of the gastrointestinal tract, nausea, vomiting, and diarrhea.

Toxicity to Animals:

	Oral LD50 1183 mg/kg (Rat)
108-01-0 2-dimethylaminoethanol	Dermal LD50 1219 mg/kg (Rabbit)
	Inhalative LC50/4 h 6 mg/l (Rat)
	Oral LD50 2410 mg/kg (Rat)
112-34-5 2-(2-butoxyethoxy)ethanol	Dermal LD50 2764 mg/kg (Rabbit)

64742-65-0 Distillates (petroleum), solvent-dewaxed heavy paraffinic

Inhalative LC50/4 h >29 mg/l (Rat)

Oral LD50 5,000 mg/kg (Rat)

Dermal LD50 5,000 mg/kg (Rabbit)

Aspiration Hazard:

No aspiration hazard expected.

Chronic Exposure:**Reproductive Toxicity:** Not available.**Mutagenicity:** Not available.**Teratogenicity:** Not available.**Specific Target Organ Toxicity (STOT)** Not available.**Toxicologically Synergistic****Products:** Not available.**Carcinogenic Status:** This substance has not been identified as a carcinogen or probable carcinogen by NTP, IARC, or OSHA, nor have any of its components.**12. Ecological Information****12.1 Toxicity:**

LC50/ 48 h (static) 3110 mg/l (M. beryllina (Inland Silverside)) (48 Hours)
 2610 mg/l (Mysidopsis bahia)
 LOEC (static) 4800 mg/l (M. beryllina (Inland Silverside)) (LOEC)
 2400 mg/l (Mysidopsis bahia) (LOEC)
 NOEC (static) 2400 mg/l (M. beryllina (Inland Silverside)) (2 days)

Aquatic Toxicity:**12.2 Persistence and degradability:**

Not available.

12.3 Bioaccumulation potential:

Not available.

12.4 Mobility in soil:

Not available.

12.5 Results of PBT and vPvB Assessment:

This product is not, nor does it contain a substance that is a PBT or vPvB.

12.6 Other adverse effects:

None known.

13. Disposal Considerations

Do not dump into sewer, on ground or into any body of water. Dispose of product in accordance with National and Local Regulations.

14. Transport Information**DOT:** Not Regulated**UN Number:** Not Listed**UN Proper Shipping Name:** Not Applicable**Class and Subsidiary Risk:** Not Applicable**Packing Group:** Not Applicable**ICAO/IATA-DGR:** Not Regulated**IMDG:** Not Regulated**ADR/RID:** Not Regulated**15. Regulatory Information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****USA Federal and State**

All components are listed on the TSCA inventory.

**Hazard Categories for SARA
Section 311/312 Reporting**

Acute
Yes

Chronic
No

Fire
No

Pressure
No

Reactive
No

<u>Components</u>	<u>CERCLA/SARA Sec 302</u>		<u>SARA Sec. 313</u>
	<u>Hazardous Substance RQ</u>	<u>EHS TPQ</u>	<u>Toxic Release</u>
2-(2-butoxyethoxy)ethanol	No	No	Yes
styrene	No	No	Yes
formaldehyde	Yes	Yes	Yes
methanol	No	No	Yes
acrylic acid	No	No	Yes
methyl methacrylate	No	No	Yes

NFPA Ratings: Health: 2
Fire: 1
Reactivity: 1

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel during spill, fire or similar emergencies. Hazard ratings are based on physical and toxic properties of combustion or decomposition.

California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

European Union

Product complies with the communication requirements of REACH Regulation (EC) No. 1907/2006. All components are listed on the European Inventory of Existing Chemical Substances (EINECS). Contains no substance on the REACH candidate list $\geq 0.1\%$ SCL. Does not contain notified substances from the ELINCS List, Directive 92/32/EEC. Contains no REACH substances with Annex XVII restrictions.

Canada

All components are listed on the DSL inventory.

This product has been classified according to the hazard criteria of the CPR and the SDS contains all the information required by the CPR.

Australia

All components are listed on the AICS.

Product is classified as hazardous according to criteria of NOHSC Australia.

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out for the mixture by the supplier.

16. Other Information

Abbreviations and acronyms:

OSHA = Occupational Safety and Health Administration

CLP = Classification, Labeling and Packaging Regulation

STOT = Specific Target Organ Toxicity

LD₅₀ = Median Lethal Dose

DNEL = Derived No Effect Level

ACGIH = American Conference of Governmental Industrial Hygienists

TSCA = Toxic Substances Control Act (USA)

DSL = Domestic Substances List (Canada)

AICS = Australian Inventory of Chemical Substances

Mixture classification according to Regulation (EC) No 1272/2008:

H315 Causes skin irritation.

Classification Procedure

Calculation method.

Product Name: Waterbase Anticorrosive

Revision Date: January 25, 2019

H319 Causes serious eye irritation.

Calculation method.

Revision Date: January 25, 2019

Revision Number: 1

Supersedes:

Other: Not Applicable

Indication of Changes:

The information and recommendations contained herein are believed to be reliable. However, the supplier makes no warranties, express or implied, concerning the use of this product. The buyer must determine conditions of safe usage and assumes all risk and liability in handling this product.