

Illinois Department of Transportation  
Bureau of Materials

Qualified Product List  
**CORROSION INHIBITORS**  
**July 26, 2024**

This list supersedes the **April 26, 2024** list.  
Standard Specifications for Road and Bridge Construction, [Section 1021](#)

Master Builders Solutions Admixtures  
US  
23700 Chagrin Blvd.  
Cleveland, OH 44122-5554  
Phone: 216-839-7500  
Mr. Mark Piechuta  
Producer/Supplier No. 4179-04  
Material Code No. 43786  
[www.master-builders-solutions.com](http://www.master-builders-solutions.com)  
“**MASTERLIFE CI 30**”<sup>(1) (2)</sup>  
Material Code No. 43850  
“**MASTERLIFE CI 222**”<sup>(1)</sup>

Euclid Chemical Company  
19320 Redwood Road  
Cleveland, OH 44110-2799  
Phone: 216-692-8305  
800-321-7628  
Mr. Brian Lewis  
Producer/Supplier No. 614-01  
Material Code No. 43853  
[www.euclidchemical.com](http://www.euclidchemical.com)  
“**EUCON CIA**”<sup>(2)</sup>

GCP Applied Technologies  
100 Research Drive  
Wilmington, MA 01887  
Phone: 617-498-4816  
800-354-5414  
Mr. Robert Hoopes  
Producer/Supplier No. 767-01  
Material Code No. 43725  
[www.GCPat.com](http://www.GCPat.com)  
“**DAREX CORROSION INHIBITOR  
(DCI)**”<sup>(1) (2)</sup>

Mapei Americas  
1144 East Newport Center Drive  
Deerfield Beach, FL  
Phone: 954-246-8888  
Mr. Bruce Haller  
Producer/Supplier No. 6354-02  
Material Code No. 43801  
[www.mapei.com](http://www.mapei.com)  
“**POLYCHEM CI (PCI)**”

RussTech Admixtures, Inc.  
11208 Decimal Drive  
Louisville, KY 40299  
Phone: 502-267-7700  
Ms. Kathi Showalter  
Producer/Supplier No. 3988-01  
Material Code No. 43798  
[www.russtech.net](http://www.russtech.net)  
“**RUSSTECH RCI**”<sup>(2)</sup>

Sika Corporation  
201 Polito Avenue  
Lyndhurst, New Jersey 07071  
Phone: 330-495-0109  
Mr. Nathaniel Artman  
Producer/Supplier No. 2231-01  
Material Code No. 43805  
<https://usa.sika.com/>  
“**SIKA CNI**”<sup>(2)</sup>

- (1) Dosage rate shall be according to Article 1020.05 (b) (10).  
(2) Calcium Nitrite Solution

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**Corrosion Inhibitors-Calcium Nitrite  
Submittal for Approval**

**A. Scope**

The following guidelines are provided to clarify the submittal requirements for approving a corrosion inhibitor-calcium nitrite according to Section 1021 of the Standard Specifications for Road and Bridge Construction.

**B. Procedure**

When submitting a corrosion inhibitor-calcium nitrite to the Department, the following shall be included in the certification:

- The specific product brand name,
- A signed and dated letter and report(s) providing and/or certifying the following for which all test results by an independent lab shall not be more than 5 years old:
  - Manufacturing range for specific gravity according to ASTM C 494,
  - Midpoint and manufacturing range for residue by oven drying according to ASTM C 494,
  - Manufacturing range for pH according to ASTM E 70,
  - An infrared spectrophotometer trace (IR) of current production material,
  - Amount by weight of chloride bearing compounds, or other similar additives or chemical agents present in the admixture,
- A signed and dated letter and report(s) certifying compliance with the following for which all test results by an AASHTO accredited lab shall not be more than 5 years old:
  - ASTM C 494, Type C, or
  - ASTM C 1582,\*

\*The corrosion-inhibiting performance requirements do not apply.
- An electronic link, electronic file, or hardcopy of the Safety Data Sheet,
- An electronic link, electronic file, or hardcopy of the Technical Data Sheet,
- A signed letter stating the subject material will not be changed without written notification to the Department,
- Contact person's name, title, address, email address, and phone number, and
- Acknowledgement by Company (Form [BMPR 101](#)). If your company does not already have a product included on an IDOT QPL, please submit a signed copy of the Acknowledgement by Company form with your product submittal.

Submittal information shall be sent to:

Daniel Tobias ([daniel.tobias@illinois.gov](mailto:daniel.tobias@illinois.gov))  
Illinois Department of Transportation  
Bureau of Materials  
126 East Ash Street  
Springfield, IL 62704-4766

The manufacturer will be notified when the evaluation of submitted information and test data is complete, and if the product has attained final approval for inclusion on the QPL. For questions regarding the testing and approval process, contact Daniel Tobias at [daniel.tobias@illinois.gov](mailto:daniel.tobias@illinois.gov).

**C. Recertification**

Recertification is generally required every 5 years and shall follow the procedures outlined above for new submittals especially if all test data is of approximately the same age, the Safety and Technical Data Sheets have only minor or no editorial changes, and the product name remains the same.

Intermittent piecemeal re-submittals of required information outlined in the procedures above are also permitted and may be required in order to remain certified. For example, product name changes, and significant revisions to Safety Data and/or Technical Data Sheets shall be resubmitted in a timely fashion. And, at no time, shall any required test results exceed 5 years old. As such, when ASTM C 494, ASTM C 1582, and/or other test results are a maximum of 4 ½ years old; at a minimum,

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retesting according to the method with the oldest data shall commence such that resubmittal and recertification can be achieved in a timely fashion.

**Corrosion Inhibitors-Other Materials  
Submittal for Approval**

**A. Scope**

The following guidelines are provided to clarify the submittal requirements for approving a corrosion inhibitor-other materials according to Section 1021 of the Standard Specifications for Road and Bridge Construction.

**B. Procedure**

When submitting a corrosion inhibitor-other materials to the Department, the following shall be included in the certification:

- The specific product brand name,
- A signed and dated letter and report(s) providing and/or certifying the following for which all test results by an independent lab shall not be more than 5 years old:
  - Manufacturing range for specific gravity according to ASTM C 494,
  - Midpoint and manufacturing range for residue by oven drying according to ASTM C 494,
  - Manufacturing range for pH according to ASTM E 70,
  - An infrared spectrophotometer trace (IR) of current production material,
  - Amount by weight of chloride bearing compounds, or other similar additives or chemical agents present in the admixture,
- A signed and dated letter and report(s) certifying compliance with the following for which all test results by an AASHTO accredited lab shall not be more than 5 years old:
  - ASTM C 1582,
- An electronic link, electronic file, or hardcopy of the Safety Data Sheet,
- An electronic link, electronic file, or hardcopy of the Technical Data Sheet,
- A signed letter stating the subject material will not be changed without written notification to the Department,
- Contact person's name, title, address, email address, and phone number, and
- Acknowledgement by Company (form [BMPR 101](#)). If your company does not already have a product included on an IDOT QPL, please submit a signed copy of the Acknowledgement by Company form with your product submittal.

Submittal information shall be sent to:

Daniel Tobias ([daniel.tobias@illinois.gov](mailto:daniel.tobias@illinois.gov))  
Illinois Department of Transportation  
Bureau of Materials  
126 East Ash Street  
Springfield, IL 62704-4766

The manufacturer will be notified when the evaluation of submitted information and test data is complete, and if the product has attained final approval for inclusion on the QPL. For questions regarding the testing and approval process, contact Daniel Tobias at [daniel.tobias@illinois.gov](mailto:daniel.tobias@illinois.gov).

**C. Recertification**

Recertification is generally required every 5 years and shall follow the procedures outlined above for new submittals especially if all test data is of approximately the same age, the Safety and Technical Data Sheets have only minor or no editorial changes, and the product name remains the same.

Intermittent piecemeal re-submittals of required information outlined in the procedures above are also permitted and may be required in order to remain certified. For example, product name changes, and significant revisions to Safety Data and/or Technical Data Sheets shall be resubmitted in a timely fashion. And, at no time, shall any required test results exceed 5 years old. As such, when ASTM C 494, ASTM C 1582, and/or other test results are a maximum of 4

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[½ years old; at a minimum, retesting according to the method with the oldest data shall commence such that resubmittal and recertification can be achieved in a timely fashion.](#)