

Toxicity Tests The Division Has That Were Taken Directly On The Chemical Product (Diluted With Lab Water)

Because the tests were conducted on lab water they may be relevant for other facilities depending on the endpoint needed (e.g., acute or chronic, test species, LC50, IC25 or NOEC as appropriate). Please review the toxicity test results.

A. Chemicals with Colorado Aquatic Toxicity Information Provided in the Safety Data Sheet (SDS)

The following is a list of chemicals that have provided the correct aquatic toxicity testing (acute, chronic), species (Ceriodaphnia dubia, Pimephales promelas (fathead minnow)), duration and endpoints on the product SDS that meet the requirements of the Colorado WET Testing Policy. This is the information that is used to complete the chemical evaluation form. The company contact information is provided for you to reach out to the chemical company directly, to obtain the current SDS and any other information needed to consider the chemical for your use and complete the chemical evaluation form. The toxicity information allows permittees to know the aquatic toxicity level of this chemical and confirm that the effluent concentration from using this chemical is below the toxicity threshold.

1. Alkaphix (Magnesium Hydroxide)

Product Name: Magnesium Hydroxide, Liquid/Slurry, AlkapHix®

Revision Date: 08/2023 Supersedes: 10/2022 Version 6.0

SDS provides acute and chronic toxicity results

Company: [GARRISON MINERALS](https://www.garrisonminerals.com), 11901 W 48th Avenue Wheat Ridge, CO 80033
sales@garrisonminerals.com, 720.389.7609

B. Toxicity Tests Submitted by Permittees with Colorado Aquatic Toxicity Information

The following is a list of permittee submittals where the correct aquatic toxicity testing, species, duration and endpoints meet the requirements of the Colorado WET Testing Policy. The toxicity testing was directed by the permittee. A link is provided to the submittals in OnBase. The toxicity information allows permittees to know the aquatic toxicity level of this chemical and confirm that the effluent concentration from using this chemical is below the toxicity threshold.

1. COG589155, WQPT for new facility. [Date created in OnBase is 9/1/2021](#). No proprietary chemicals. Tested for acute and chronic toxicity. The following were tested together:

- Aluminum sulfate: 0.5 mg/L/ Aluminum: 0.18 mg/L

- Sodium hydroxide: 1 mg/L
- Micro-C: 0.02 mg/L
- Sodium hypochlorite: 0.1 mg/L
- Citric acid: 0.5 mg/L

2. **C00026671**, WQPT application permit modification. [Date created in OnBase is 3/9/2022](#). No proprietary chemicals. Tested for chronic toxicity. The following were each tested individually:

- Alum (aluminum sulfate)
- Ferric chloride
- Ferric sulfate
- Soda ash
- Sodium hydroxide