

## DUGITE BRICK CLEANING GEL



### HIGH FIZZ FACTOR BRICK & MORTAR CLEANER

Introducing Dugite Brick Cleaning Gel, a versatile and eco-friendly solution for all your brick cleaning needs. Unlike traditional acids, our gel is non-corrosive, gentle on the skin, and environmentally responsible. Powered by the world's exclusive synthetic acid formula, our Brick Cleaning Gel achieves a remarkable triple zero HMIS score.

Our Brick Cleaning Gel offers a wide range of applications, designed to replace the hazardous 32% hydrochloric acid while delivering superior performance. The gel formulation ensures excellent adherence to vertical surfaces without the risks associated with conventional cleaners. It contains no harmful acids, is non-corrosive, and, being 100% synthetic, eliminates the need for neutralizing steps—simply rinse with water.

The active ingredient in our product boasts an exceptional hydrogen load, making it highly effective in dissolving calcium carbonate. Its unique chemical structure, with stronger hydrogen bonds to H ions compared to traditional acids, results in a slower reaction rate. This property makes our brick cleaner particularly suitable for mortar and concrete removal tasks. Additionally, its non-fuming nature allows for indoor use, where the use of hydrochloric acid would pose challenges.

We take pride in the safety and environmental responsibility of our product. Dugite Brick Cleaning Gel is not subject to D.O.T. regulations and adheres to OECD 301D standards for rapid biodegradability. Furthermore, it holds FDA GRAS certification and is considered non-hazardous by OSHA.

Choose Dugite Brick Cleaning Gel for a safer, more effective, and environmentally conscious solution for your brick cleaning needs.

### Common Uses

Dugite Cleaner is a super concentrated industrial cleaner which at different dilutions can be used in almost countless environments.

- Non-Corrosive
- 100% Synthetic Acid
- Non-Fuming
- Non-D.O.T. Regulated
- 100% Biodegradable
- Removes Rust
- Safe on Glass and Metal
- Safe on Skin

For sales or support head to <http://betchem.au>



## Technical Data

- BIODEGRADABLE: Yes/100%
- FORM: Liquid
- ODOR: Mild Soapy Odor
- COLD STABILITY: -26° F
- DETERGENCY: Moderate
- PHOSPHATES: None
- WETTING ABILITY: Excellent
- FLAMMABILITY: Non-Flammable
- BOILING POINT: 215° F
- SOLUBILITY IN WATER: 100%
- VOCs: None
- VOLATILE BY VOLUME: N/A
- CARCINOGENS: None
- SHELF LIFE: 1 Year

## Dissolving Properties

Calcium Oxide Dissolving Properties with 3 minute exposure. 200mg of 5% active solution, 1 Calcium Oxide cube, 3 minutes @ 70° F

- |                  |     |
|------------------|-----|
| • Dugite BC Gel  | 9.8 |
| • HCl (Muriatic) | 8.9 |
| • Urea HCl       | 7.2 |
| • Urea Sulfuric  | 6.1 |
| • Phosphoric     | 0.9 |
| • Citric         | 0.0 |
| • Lactic         | 0.2 |
| • Acetic         | 0.1 |
| • Glycolic       | 0.2 |
| • Oxalic         | 0.0 |
| • Malic          | 0.4 |

## DOT STATEMENT

- Non-D.O.T. Regulated/Hazardous
- EXEMPT as per 49 CFR 173.154(d) (1) <6.25mppy

## Toxicity Studies

- Toxicity Limits: Test Procedure OECD 202, 48 hr. LC 50 and LD 50 (rat oral: NON-TOXIC)
- Mutagenicity Limits: OECD Guidelines Sec. 471 Chemicals: NON-MUTAGENIC
- Dermal Irritation & Corrosion  
A modified Draize method was used as described in OECD Guidelines for the Testing of Chemicals Section 404 and complies with the requirements of OECD Principles of GLP, Annex revised as of July 1992.
- Dugite Cleaner is classified as a "Very mild skin irritant".
- Biodegradation & Aquatic Safety  
Test Procedure: Hach Reactor Digestion method for Wastewater and Sea Water. Hach Reactor Digestion Method is a semi-micro adaptation of the Standard Methods.
- Dugite Cleaner is 100% Biodegradable.

## Classifications & Approvals

- D.O.T., IMO, IATA, IMDG - Non-Regulated
- TDG - Non-Regulated to and through Canada
- SARA 313 311/312 - This product does not contain any ingredients that are subject to the reporting requirements.
- California Prop 65 - This product does not contain any ingredients known to the state of California to cause cancer, birth defects or any other reproductive harm.
- FDA - Recognized as Safe (GRAS)
- USDA Authorization  
A1, A2, A4, A8, C3

