



**BRONTIDE®**  
Natural Butylene Glycol



## It's time for a better glycol.

- Good For People** — Safe + pure. Brontide contains no heavy metals at detectable levels and has been shown in clinical studies to be nonirritating at levels of up to 40% in formulation.
- Good For Our Planet** — Brontide is a natural butylene glycol. Made from renewable plant sugars, Brontide reduces global warming potential by over 50% compared to petroleum-based butylene glycol.
- Good For Formulators** — Brontide integrates into current formulations without sacrificing quality or needing reformulation.

## A unique process

### 01 The Origin

Brontide natural butylene glycol uses locally-sourced, renewable plant sugars as a feedstock, creating a more sustainable supply chain.

### 02 The Process

A specialized microorganism ferments natural sugars into 1,3 butylene glycol.

### 03 The Product

A purification and distillation step completes the process to produce high purity, cosmetic grade Brontide butylene glycol.



@brontidebg



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# Product Data Sheet



## Functional Benefits

Humectant | Adds Texture | Solvent  
Stabilizer | Preservative Booster

## Registrations + Certifications

INCI Butylene Glycol  
CAS 6290-03-5  
EC 228-532-0  
REACH01-2120764879-30-0000

ISO 16128 Conforms as a natural ingredient  
with a natural index of 1

USDA Biopreferred Program - 100% Biobased  
ASTM D6866-16

## Typical Properties

Appearance	Clear, Colorless
Odor	Characteristic
Purity	99.7%
Water	0.50%
Specific Gravity at 20° C	1.004
Viscosity cP at 25° C	97 cP
Acid Number, mg KOH/g	Max 0.05
Refractive Index	1.44 @ 20° C
Heavy Metals	None Detected

## The Rundown

Naturally sourced Brontide butylene glycol is a high-performance ingredient used in a variety of personal care and cosmetic applications. It can also be used as a solvent and stabilizer for extracts and actives.

## The Innovative Process

Brontide is made in Europe from an innovative fermentation process which converts renewable plant sugars into an high purity butylene glycol, eliminating the need to use fossil fuels as a feedstock.



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