



## TECHNICAL INFORMATION

### Reducing Agents

## BRUGGOLITE® L22

**Stabilized solution of sodium hydroxymethane sulfinate for the titanium dioxide leaching**

### Chemical Characterization

BRUGGOLITE® L22 is a stabilized solution of sodium hydroxymethane sulfinate for the application in acid media.

HS-Code	28 31 10 00
Formula weight	154,1 g/mol

### Properties

Appearance	colourless, slightly turbid liquid
Concentration in %	39
Density	1.26 g/cm <sup>3</sup>
pH-Value (in a 10% aqueous solution)	app. 9,8
Odour	slight internal odour

### General Description

BRUGGOLITE® L22 is a liquid reducing agent for the purification of titanium dioxide in the sulphuric acid process tetrasodium diphosphate and bentonite

### Typical Application

Normally an addition of 0,8 to 2,5 kg BRUGGOLITE® L22 referring to 1 000 kg titanium dioxide is recommended. The exact quantity of BRUGGOLITE® L22 can only be determined by corresponding trials, since it depends on the particular conditions of the working up and the quality of the raw materials.

BRUGGOLITE® L22 is directly added to the meta-titanic-acid-hydrolyzate. Generally the favourable dwell-time is between 60 and 120 min. An optimum degree of whiteness is achieved between temperatures from 60 to 95 °C.

## Handling

The storage of BRUGGOLITE®L22 should be done in tanks of stainless steel 1.4575 (V4A) or plastics. For tubes polypropylene is suited. Due to reasons of stability the product should not be contacted with air.

## Package and storage

Standard packing are: 1250 kg plastic containers

If properly stored (25°C/dry) in the sealed original container, the shelf live of BRUGGOLITE®L22 is at least 12 months. BRUGGOLITE®L22 must not be stored together with acids or oxidizers.

## Health and Safety Data

According to 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work "product" is not defined as a chemical agent which meets the criteria for classification as a dangerous substance/preparation.

However, this does not a priori exclude that "product" will fall within the definition "hazardous chemical agent" according to Article 2b of 98/24/EC.

Therefore the actual situation at the workplace has to be determined. Further information is given in the corresponding safety data sheet which is available on request.

In any case the standard industrial safety and hygiene procedures when handling chemicals have to be observed.

The aforementioned remarks are deducted from the European legal system. Deviating or additional regulations in other legal systems must be observed accordingly when using the product.

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Technical Information Bruggolite L22

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The information given herein and otherwise supplied to users is based on our general experience and, where applicable on the results of tests on samples of typical manufacture. However, because of the many factors which are outside our knowledge and control which can affect the use of these products, we cannot accept liability for any injury, loss or damage resulting from reliance upon such information.

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