

Product Information

BREAK-THRU® BP 787

PRODUCT DESCRIPTION

BREAK-THRU® BP 787 is a biodegradable multifunctional carrier fluid without eco toxicological classification. It is used as carrier fluid for microbes and chemical pesticides for foliar applications and seed treatment.

Typical Properties

Property	Unit	Value
Appearance		liquid
Color		colorless
Flash Point, min.	°C	100
Pour Point	°C	-10
Type of Emulsion		100% non-ionic
Viscosity at 25°C. 60 rpm	mPa·s	125-165

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

BREAK-THRU® BP 787 can be used during the milling process with no need of adding water.

To incorporate biological actives like fungal spores or Bacillus in BREAK-THRU® BP 787, the addition of a wetting agent like BREAK-THRU® S 301 or BREAK-THRU® S 255 is recommended at a treat rate of 10-30 g/L. If a dispersant is necessary, we recommend 10-50 g/L of BREAK-THRU® DA 646 or BREAK-THRU® DA 647. The biological actives should be incorporated with low shear blending.

For chemical actives, mix all active components and surfactants with low shear mixing followed by high shear mixing in a bead mill to produce a homogenous slurry.

If necessary, post addition of a rheology modifier (silica is recommended) and antifoam can be added with low shear mixing.

BENEFITS & ADVANTAGES

BREAK-THRU® BP 787

- Increases the viability of sensitive microbes and can be used as a liquid carrier for water sensitive actives
- Enables customized formulations. It can be used in combination with super-spreaders BREAK-THRU® S 301, S 240, wetting agent BREAK-THRU® S 255 and with dispersants BREAK-THRU® DA 646 and BREAK-THRU® DA 647 as these are soluble in BREAK-THRU® BP 787
- In combination with pyrogenic silica like Aerosil® 200, BREAK-THRU® BP 787 is an excellent microplastic free binder for FS – formulations
- Has a positive impact on the germination of seeds

DOSAGE

For binder functionality in water-based FS formulations use BREAK-THRU® BP 787 at a treat rate of 100-300 g/L.

To achieve excellent dust off and flowability results, we recommend using 10-60 g/L AEROSIL® 200.

PACKAGING

1000 kg plastic containers

4 x 200 kg drums (800 kg pallet)

STORAGE

BREAK-THRU® BP 787 is stable in closed containers at room temperature for at least 2 years.

BREAK-THRU® BP 787 is not sensitive to freezing.

HAZARDOUS SUBSTANCE

Information concerning

- Classification and labelling according to regulations for transport and for dangerous substances
- Protective measures for storage and handling
- Measures in case of accidents and fire
- Toxicity and ecological effects

is given in our material safety data sheets.

REGISTRATION LISTING SUMMARY

The relevant components of BREAK-THRU® BP 787 are listed/registered or exempt in the following chemical inventories:

Registration Listings

Registry	Status
----------	--------

Australia (AICIS)	Yes
-------------------	-----

Canada (DSL)	Yes
--------------	-----

China (IECSC)	Yes
---------------	-----

European Union (EINECS/ELINCS)	Yes
--------------------------------	-----

Japan (ENCS)	Yes
--------------	-----

Korea (TCCL)	Yes
--------------	-----

Philippines (PICCS)	Yes
---------------------	-----

Taiwan (TCSI)	Yes
---------------	-----

United States of America (TSCA)	Yes
---------------------------------	-----

Disclaimer

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third-party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

Evonik Operations GmbH

Interface & Performance
Goldschmidtstraße 100
45127 Essen, Germany
Phone Europe +49 201 173-2665
Phone Asia +86 21 61191 125
Phone Americas +1 804 727 0700
interface-performance@evonik.com
evonik.click/interface-performance