

## Technical Information

**BREAK-THRU® G 850****Product description**

BREAK-THRU® G 850 is an amphoteric surfactant which enhances the efficacy of post-emergent herbicides, especially glyphosate.

**Physical properties**

Viscosity @ 25 °C	90 mPas
Density @ 20 °C	1.07 g/ml
Pour point	< -10 °C
Appearance	liquid
Appearance (20 °C)	clear amber liquid
pH value (neat)	4.8 - 5.2
Colour (Hazen)	max. 150
Aqueous content	52 - 56 %

**Application**

As a formulation ingredient, up to 150 g/l of BREAK-THRU® G 850 can be added to glyphosate. A maximum of 480 g a. e./l of the herbicide is possible.

BREAK-THRU® G 850 is fully compatible with the IPA and K salt of glyphosate i.e. a homogeneous mixture without crystals is obtained showing storage stability at freezing and elevated temperatures.

To reduce foam upon addition to the tank, we recommend adding BREAK-THRU® AF 9904 or 9903 to the formulation.

While designed to be used in the formulation, BREAK-THRU® G 850 can also be applied as a tank mix adjuvant.

With herbicides, the patented BREAK-THRU® G 850 allows the control of both grassy weeds and broad-leaved weeds. Its performance on glyphosate can be compared with ethoxylated tallow amines, yet, BREAK-THRU® G 850 is safer from a toxicological and ecotoxicological point of view.

**Listing status**

The components of BREAK-THRU® G 850 are listed in the following chemical inventories:

EINECS, TSCA, AICS, ECL and IECSC (China).

The ingredients of BREAK-THRU® G 850 are not exempt from the requirement of a tolerance as specified in FIFRA 40 CFR, § 180.1001 (c).

Please inquire for details.

**Storage stability**

BREAK-THRU® G 850 is stable in closed containers for 5 years.

Prolonged storage in conditions below 5°C result in cloudiness. A homogenous and clear product can be obtained by gentle warming and stirring without affecting the product quality.

**Packaging**

4 x 220 kg drums (full pallet)  
1 000 kg plastic containers  
bulk

## Hazardous goods classification

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.

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