

## Product Information

## BREAK-THRU® OE 444

## PRODUCT DESCRIPTION

BREAK-THRU® OE 444 is an organo-modified siloxane.

## Typical Properties

Property	Unit	Value
<b>Appearance</b>		liquid
<b>Color</b>		colorless to pale straw
<b>Density</b> at 25°C	g/cm <sup>3</sup>	0.93-0.96
<b>Flash Point</b>	°C	≤100
<b>Pour Point</b>	°C	-10
<b>Solubility</b> in Cyclohexanone, at 1%, at 10%		insoluble, insoluble
<b>Solubility</b> in Ethanol, at 1%, at 10%		insoluble, insoluble
<b>Solubility</b> in Mineral Oils, at 1%, at 10%		soluble, soluble
<b>Solubility</b> in Paraffinic Oils, at 1%, at 10%		soluble, soluble
<b>Solubility</b> in Solvesso™ 150, at 1%, at 10%		soluble, soluble
<b>Solubility</b> in Soya Oils, at 1%, at 10%		insoluble, insoluble
<b>Solubility</b> in Sunflower Oils, at 1%, at 10%		dispersible, dispersible
<b>Solubility</b> in Water, at 1%, at 10%		insoluble, insoluble
<b>Surfactant Type</b>		non-ionic
<b>Viscosity</b> at 25°C	mPa·s	100-300

The data represents typical values (no product specification)

## TYPICAL APPLICATIONS

BREAK-THRU® OE 444 is designed to lower the surface tension of oils and increase the foliar spreading and pene-

tration of agricultural pesticides containing them. BREAK-THRU OE 444 is optimally suited to those formulations containing mineral oils e.g. EC, SE, OD.

However, it is also compatible with and improves the methylated vegetable oils. Use BREAK-THRU® OE 444 by replacing 1-2% of the oil phase in the formulation. Alternatively, in tank mix applications, blend BREAK-THRU® OE 444 with the formulated product and then dilute in the spray tank prior to use.

## Product Composition

Product Composition	Unit	Value
<b>Active Content</b>	wt%	~100

The data represents typical values (no product specification)

## BENEFITS &amp; ADVANTAGES

- BREAK-THRU® OE 444 lowers the surface tension and increases the spreading of mineral, paraffinic and methylated vegetable oils
- It especially improves penetration of actives in paraffinic oil based formulations
- BREAK-THRU® OE 444 also has a wide range of pH stability, from 3-11

## PACKAGING

4 x 180 kg drums (full pallet)

## SHELF LIFE

BREAK-THRU® OE 444 is stable in closed containers for 1 year.

## 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

Per 40 CFR 180.910, BREAK-THRU OE® 444 is exempt from the requirement of a tolerance when used in accordance with good agricultural practice as an inert ingredient in pesticide formulations applied to growing crops or to raw agricultural commodities after harvest.

The relevant components of BREAK-THRU OE® 444 are listed/registered or exempt in the following chemical inventories:

### Registration Listings

Registry	Status
Canada (DSL)	Yes
China (IECSC)	Yes
EU (EINECS/ELINCS)	Yes
Japan (ENCS)	Yes
South Korea (KECL)	Yes
Philippines (PICCS)	Yes
USA (TSCA)	Yes

#### Disclaimer

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#### Evonik Operations GmbH

Interface & Polyurethane Additives  
Goldschmidtstraße 100  
45127 Essen  
Germany