

Product Information

BREAK-THRU® DA 646

PRODUCT DESCRIPTION

BREAK-THRU® DA 646 is a non-ionic dispersing agent based on a special polyether. BREAK-THRU® DA 646 does neither contain solvents nor any alkylphenolethoxylates.

Typical Properties

Property	Unit	Value
Appearance		yellow-reddish, clear liquid
Density at 25°C	g/cm ³	~1.05
Refractive Index		1.506
Solubility in Butylglycol		soluble
Solubility in Cyclohexanone at 10%		soluble
Solubility in Exxol™ D 110		soluble
Solubility in Methylated Seed Oils (MSO)		soluble
Solubility in Solvesso™ 150		soluble
Solubility in Solvesso™ 200 at 10%		soluble
Solubility in Vegetable Oils at 10%		dispersible
Solubility in Water		dispersible
Solubility in Xylene at 10%		soluble
Viscosity at 25°C	mPa·s	200-800

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

BREAK-THRU® DA 646 can be used as a dispersing agent especially in oil dispersions (OD) or suspo-emulsions (SE). It also serves as an emulsifier for EC formulations based on MSO and aromatic solvents.

BREAK-THRU® DA 646

- Allows reduced grinding times
- No re-agglomeration of particles
- Affords uniform particle sizes
- Suppresses Ostwald ripening even at elevated temperatures and temperature cycles
- Is not antagonistic to o/w emulsions and allows the formulation of suspo-emulsions
- Can show additional properties as wetting agent

Product Composition

Product Composition	Unit	Value
Active Content	wt%	~100

The data represents typical values (no product specification)

BENEFITS & ADVANTAGES

- Particularly effective in OD formulations
- 100% Active content

DOSAGE

BREAK-THRU® DA 646 is useful as a dispersing additive from 2-5% (w/w) of the dispersed solids. BREAK-THRU® DA 646 is useful as an emulsifier from 10-20% (w/w) of the organic phase.

PACKAGING

4 x 200 kg plastic drum (full pallet)

1 000 kg container

SHELF LIFE

In closed original containers BREAK-THRU® DA 646 can be stored at temperatures below 40°C for at least 2 years.

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® DA 646 are listed/registered or exempt in the following chemical inventories:

Registration Listings

Registry	Status
Canada (DSL)	Yes
China (IECSC)	Yes
European Union (EINECS/ELINCS)	Yes
Japan (ENCS)	Yes
Philippines (PICCS)	Yes
United States of America (TSCA)	Yes

Disclaimer

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