

## Product Information

## BREAK-THRU® DA 647

## PRODUCT DESCRIPTION

BREAK-THRU® DA 647 is a polymeric, non-ionic dispersing agent and emulsifier.

## Typical Properties

| Property                              | Unit | Value        |
|---------------------------------------|------|--------------|
| Appearance                            |      | paste-like   |
| Color                                 |      | yellow-brown |
| Melting Point                         | °C   | 35           |
| Solubility<br>in Cyclohexanone        |      | soluble      |
| Solubility<br>in Exxol™ D 110 at 10%  |      | soluble      |
| Solubility<br>in Solvesso™ 150 at 10% |      | soluble      |
| Solubility<br>in Solvesso™ 200        |      | soluble      |
| Solubility<br>in Water at 10%         |      | dispersible  |

The data represents typical values (no product specification)

## TYPICAL APPLICATIONS

BREAK-THRU® DA 647 is an effective dispersant for suspension concentrates (SC), oil dispersions (OD), suspo-emulsions (SE), wettable powders (WP) and water dispersible granules (WDG). BREAK-THRU® DA 647 also functions as a co-emulsifier for oils and aromatic solvents in pesticide formulations.

## Product Composition

| Product Composition | Unit | Value |
|---------------------|------|-------|
| Active Content      | wt%  | 100   |

The data represents typical values (no product specification)

## BENEFITS &amp; ADVANTAGES

Reduces crystallitation (Ostwald ripening) of partially soluble chemical actives

## DOSAGE

BREAK-THRU® DA 647 may be incorporated as a dispersing additive from 2-5% (w/w) of the dispersed solid actives.

Additionally, BREAK-THRU® DA 647 functions as an emulsifier for aromatic, dearomatized fluids and paraffinic oils.

## HANDLING &amp; PROCESSING

5-10% of water or propylene glycol may be added for ease of handling. Another option would be to heat this material to facilitate ease of handling.

## SHELF LIFE

In original closed containers BREAK-THRU® DA 647 can be stored for at least 3 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

Per 40 CFR 180.960, BREAK-THRU® DA 647 polymer is exempt from a tolerance.

The relevant components of BREAK-THRU® DA 647 are listed/registered or exempt in the following chemical inventories:

#### Registration Listings

| Registry | Status |
|----------|--------|
|----------|--------|

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

|                    |     |
|--------------------|-----|
| EU (EINECS/ELINCS) | Yes |
|--------------------|-----|

|                    |     |
|--------------------|-----|
| South Korea (KECL) | Yes |
|--------------------|-----|

#### Registration Listings

| Registry | Status |
|----------|--------|
|----------|--------|

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

|            |     |
|------------|-----|
| USA (TSCA) | Yes |
|------------|-----|

#### Disclaimer

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