

## TEGO® Solve 61 MB

### Zusammenfassung der Produktdaten zur Toxikologie und Ökologie / Summary of Product Data with Reference to Toxicology and Ecology

#### Toxikologie / Toxicology

Zur Bewertung der toxikologischen Eigenschaften der in der Produktmischung enthaltenen Bestandteile wird auf existierende Daten und bekannte Publikationen für diese Stoffe verwiesen. / For assessment of toxicological properties of components contained in the product mixture it is referred to existing data on such components or relevant literature.

Es wird verwiesen auf die Dokumentationen / It is referred to the documentations

Polyglyceryl-6 Caprylate

Polyglyceryl-3 Cocoate

Polyglyceryl-4 Caprate

Polyglyceryl-6 Ricinoleate

Die Untersuchungsergebnisse sind zusammengestellt in den Dokumenten / The results are summarized in the documents

|                            |   |
|----------------------------|---|
| POLYGLYCERYL-6 CAPRYLATE   | (Interne Bez. / Internal marking "pg-6_caprylate_zs") |
| POLYGLYCERYL-3 COCOATE     | (Interne Bez. / Internal marking "pg-3_coco_zs")      |
| POLYGLYCERYL-4 CAPRATE     | (Interne Bez. / Internal marking "pg-4_cap_zs")       |
| POLYGLYCERYL-6 RICINOLEATE | (Interne Bez. / Internal marking "pg-6_ricin_zs")     |

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| tsolve_61_mb_zf       | 1 / 2 | Revisionsdatum / Revision Date | 12.04.2016 |
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## POLYGLYCERYL-6 CAPRYLATE

### Zusammenfassung der Produktdaten zur Toxikologie und Ökologie / Summary of Product Data with Reference to Toxicology and Ecology

| Prüfung<br>Test   | Methode<br>Method | Ergebnis<br>Result   | Datum<br>Date |
|---|-------------------|--|---------------|
| Akute orale Toxizität (Ratte)<br>Acute Oral Toxicity (rat)                        | OECD 401          | LD <sub>50</sub> > 2,000 mg/kg bw                                      |               |
| Hautverträglichkeit (Kaninchen)<br>Acute Dermal Irritation/Corrosion (rabbit)     | OECD 404          | nicht reizend<br>not irritating  |               |
| Schleimhautverträglichkeit (Kaninchen)<br>Acute Eye Irritation/Corrosion (rabbit) | OECD 405          | nicht reizend<br>not irritating  |               |
| Hautsensibilisierung (Meerschweinchen)<br>Skin Sensitization (guinea pig)         | OECD 406          | nicht sensibilisierend<br>no skin sensitisation effect                 |               |
| Gentoxizität (Ames)<br>Gene Toxicity (Ames)                                       | OECD 471          | nicht mutagen<br>no evidence of mutagenic activity                     |               |
| Bioabbau aerob / Biodegradation aerobic   | OECD 301 F        | 100 % (14 d) leicht bioabbaubar<br>readily biodegradable <sup>1)</sup> |               |

<sup>1)</sup> Das 10-Tagefenster ist erfüllt / The 10 day window is fulfilled

#### Hinweis / Comment

Die Ergebnisse beziehen sich auf das Produkt SOLVAY "Polyglycerincaprylate T2010/90" bzw. „P-4-Caprate A ”  
Neue Bezeichnung TEGOSOFT® PC 41 MB / The test results are based on the product SOLVAY "  
Polyglycerincaprylate T2010/90" or "P-4-Caprate A", respectively. New brand name TEGOSOFT® PC 41 MB.

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| pg-6_caprylate_zs | 1 / 1 | Revisionsdatum / Revision Date | 12.04.2016 |
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## POLYGLYCERYL-3 COCOATE

### Zusammenfassung der Produktdaten zur Toxikologie und Ökologie / Summary of Product Data with Reference to Toxicology and Ecology

Reference:

*Final Report of the Amended Safety Assessment of Glyceryl Laurate, Glyceryl Laurate SE, Glyceryl Laurate/Oleate, Glyceryl Adipate, Glyceryl Alginate, Glyceryl Arachidate, Glyceryl Arachidonate, Glyceryl Behenate, Glyceryl Caprate, Glyceryl Caprylate, Glyceryl Caprylate/Caprate, Glyceryl Citrate/Lactate/Linoleate/Oleate, Glyceryl Cocoate, Glyceryl Collagenate, Glyceryl Erucate, Glyceryl Hydrogenated Rosinate, Glyceryl Hydrogenated Soyate, Glyceryl Hydroxystearate, Glyceryl Isopalmitate, Glyceryl Isostearate, Glyceryl Isostearate/Myristate, Glyceryl Isostearates, Glyceryl Lanolate, Glyceryl Linoleate, Glyceryl Linolenate, Glyceryl Montanate, Glyceryl Myristate, Glyceryl Isotridecanoate/Stearate/Adipate, Glyceryl Oleate SE, Glyceryl Oleate/Elaidate, Glyceryl Palmitate, Glyceryl Palmitate/Stearate, Glyceryl Palmitoleate, Glyceryl Pentadecanoate, Glyceryl Polyacrylate, Glyceryl Rosinate, Glyceryl Sesquioleate, Glyceryl/Sorbitol Oleate/Hydroxystearate, Glyceryl Stearate/Acetate, Glyceryl Stearate/Maleate, Glyceryl Tallowate, Glyceryl Thiopropionate, and Glyceryl Undecylenate*

International Journal of Toxicology, Vol. 23(Suppl. 2), 2004, pages 55– 94

Excerpt:

The CIR Panel did not evaluate the substance Glyceryl Cocoate as such.

Instead of this evaluation it used a read-across from the substances Glyceryl Laurate and Glyceryl Isostearate.

Taking into account all data from this read-across exercise, it came to the final conclusion:

The CIR Expert Panel concluded that Glyceryl Cocoate is safe as cosmetic ingredient in the practices of use and concentrations as described in this safety assessment.

This conclusion can be safely transferred to the evaluation of the higher molecular weight analogous substance Polyglyceryl-3 Cocoate.

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| pg-3_coco_zs          | 1 / 2 | Revisionsdatum / Revision Date | 12.04.2016 |
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## POLYGLYCERYL-3 COCOATE

### Zusammenfassung der Produktdaten zur Toxikologie und Ökologie / Summary of Product Data with Reference to Toxicology and Ecology

| Prüfung<br>Test   | Methode<br>Method | Ergebnis<br>Result   | Datum<br>Date |
|---|-------------------|--|---------------|
| Bioabbau aerob<br>Biodegradation aerobic                | OECD 301 F        | 86 % (28 d) leicht bioabbaubar <sup>1)</sup><br>readily biodegradable      |               |
| Bioabbau anaerob<br>Biodegradation anaerobic            | OECD 311          | 71% (60 d) bioabbaubar <sup>1)</sup><br>biodegradable                      |               |
| Akute Daphnientoxizität<br>Acute Daphnia Immobilisation | OECD 202          | EC <sub>50</sub> (48 h) 32.1 mg/L <sup>1)</sup><br>NOEC (0-48 h) 25.0 mg/L |               |

1) Read-across from Polyglyceryl-3 Caprate

## POLYGLYCERYL-4 CAPRATE

### Zusammenfassung der Produktdaten zur Toxikologie und Ökologie / Summary of Product Data with Reference to Toxicology and Ecology

| Prüfung<br>Test   | Methode<br>Method | Ergebnis<br>Result                                     | Datum<br>Date |
|---|-------------------|--|---------------|
| Akute orale Toxizität (Ratte)<br>Acute Oral Toxicity (rat)                        | OECD 401          | LD <sub>50</sub> > 2,000 mg/kg bw                      | 05/1996       |
| Hautverträglichkeit (Kaninchen)<br>Acute Dermal Irritation/Corrosion (rabbit)     | OECD 404          | nicht reizend<br>not irritating                        | 07/1992       |
| Schleimhautverträglichkeit (Kaninchen)<br>Acute Eye Irritation/Corrosion (rabbit) | OECD 405          | nicht reizend<br>not irritating                        | 08/1996       |
| Hautsensibilisierung (Meerschweinchen)<br>Skin Sensitization (guinea pig)         | OECD 406          | nicht sensibilisierend<br>no skin sensitisation effect | 02/1998       |
| Gentoxizität (Ames)<br>Gene Toxicity (Ames)                                       | OECD 471          | nicht mutagen<br>no evidence of mutagenic activity     | 09/1996       |
| Bioabbau aerob / Biodegradation aerobic   | OECD 301 F        | 100 % / 14 d <sup>1)</sup>                             | 03/2006       |

<sup>1)</sup> Das 10-Tagefenster ist erfüllt / The 10 day window is fulfilled

#### Hinweis / Comment

Die Ergebnisse beziehen sich auf das Produkt SOLVAY "Polyglycerincaprate T2010/90" bzw. „P-4-Caprate A ”  
 Neue Bezeichnung TEGOSOFT® PC 41 MB / The test results are based on the product SOLVAY ”  
 Polyglycerincaprate T2010/90“ or “P-4-Caprate A“ , respectively. New brand name TEGOSOFT® PC 41 MB.

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| pg-4_cap_zs           | 1 / 1 | Revisionsdatum / Revision Date | 10.02.2014 |
| <b>Care Solutions</b> |       | Druckdatum / Print Date        | 25.01.2019 |

## POLYGLYCERYL-6 RICINOLEATE

### Zusammenfassung der Produktdaten zur Toxikologie und Ökologie / Summary of Product Data with Reference to Toxicology and Ecology

Reference:

*Final Report on the Safety Assessment of Ricinus Communis (Castor) Seed Oil, Hydrogenated Castor Oil, Glyceryl Ricinoleate, Glyceryl Ricinoleate SE, Ricinoleic Acid, Potassium Ricinoleate, Sodium Ricinoleate, Zinc Ricinoleate, Cetyl Ricinoleate, Ethyl Ricinoleate, Glycol Ricinoleate, Isopropyl Ricinoleate, Methyl Ricinoleate, and Octyldodecyl Ricinoleate*

International Journal of Toxicology, Vol. 26(Suppl. 3), 2007, pages 31– 77

Excerpt:

The CIR Panel did not evaluate the substance Glyceryl Ricinoleate as such.

Instead of this evaluation it used a read-across from the substances Castor Oil, Ricinoleic Acid and Ethyl Ricinoleate.

Taking into account all data from this Read-Across exercise, it came to the final conclusion:

The CIR Expert Panel concluded that Glyceryl Ricinoleate is safe as cosmetic ingredient in the practices of use and concentrations as described in this safety assessment.

This conclusion can be safely transferred to the evaluation of the higher molecular weight analogous substance Polyglyceryl-6 Ricinoleate.

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|-----------------------|-------|--------------------------------|------------|
| pg-6_ricin_zs         | 1 / 2 | Revisionsdatum / Revision Date | 12.04.2016 |
| <b>Care Solutions</b> |       | Druckdatum / Print Date        | 25.01.2019 |

## POLYGLYCERYL-6 RICINOLEATE

### Zusammenfassung der Produktdaten zur Toxikologie und Ökologie / Summary of Product Data with Reference to Toxicology and Ecology

| Prüfung<br>Test  | Methode<br>Method | Ergebnis<br>Result                                    | Datum<br>Date |
|--|-------------------|---|---------------|
| Akute orale Toxizität (Ratte)<br>Acute oral toxicity (rat) | OECD 423          | LD <sub>50</sub> > 2,000 mg/kg bw <sup>1)</sup>       |               |
| Akute Daphnientoxizität<br>Acute daphnia immobilisation    | OECD 202          | EL50 > 100 mg/L <sup>1)</sup>                         |               |
| Bioabbau aerob<br>Biodegradation aerobic                   | OECD 301 B        | 59 % (28 d) <sup>1)</sup><br>biodegradable            |               |
| Bioabbau aerob<br>Biodegradation aerobic                   | OECD 301 C        | 79 %, 28 d <sup>1), 2)</sup><br>readily biodegradable |               |

- 1) Read-across from Polyglyceryl-6 Polyhydroxystearate
- 2) Die Bedingungen des 10-Tagefensters sind erfüllt / The conditions of the 10 day window are fulfilled