BASF
We create chemistry

Solutions Care 360° for Sustainable Life

For Home. *For Life.*

BASF HOME CARE AND I&I

# Product Range

# Overview

BASF Home Care and Industrial and Institutional Ingredients (HC I&I) is one of the leading suppliers in the Home Care, Industrial, and Institutional Cleaning industry.

We offer a wide range of products, such as chelating agents, polymers, surfactants, optical brighteners, biocides, and enzymes. This diverse portfolio of ingredients can be used in laundry, dish washing, hard surface cleaning, food and beverage processing, food service, institutional cleaning and sanitation, transportation care, and industrial cleaning applications.

We invite you to review our product portfolio and see not only how extensive our portfolio is but also our commitment to a world with more efficient and safer chemicals. Our commitment to the industry, to society and to the environment has been translated into initiatives like developing a Safer Choice, biodegradable and biobased portfolio.

Learn more about the BASF HC I&I portfolio at hcii.basf.us

## DEFINITIONS

- Safer Choice – Ingredients that meet requirements created by the United States Enviornmental Protection Agency (EPA ) based on performance, packaging, pH, and VOCs. All chemicals that pass this investigation are listed on CleanGredients.
- Biobased – Ingredients are considered biobased if they have biologically-based carbon molecules. Percentages of biobased carbon are approximate.
- Biodegradable – Ingredients are considered biodegradable if they can naturally decay at a certain ratio. There are five classifications as it relates to an ingredients biodegradable level. Our Readily Biodegradable ingredients are highlighted throughout the brochure.
  - RB: Readily Biodegradable by OECD criteria (≥60% in 10-day window)
  - UB: Readily Biodegradable (≥60% in 28 days)
  - MB: Moderately Biodegradable (>20– 60% in 28 days)
  - PB: Poorly Biodegradable (≤20% in 28 days)
  - PE: Partially Eliminated by water

### EPA Inert Ingredients permitted for use:

† Nonfood use – Nonfood use ingredients are solely for use in pesticide products applied to nonfood use sites, such as nonfood handling establishments,
nonfood industrial applications, bathroom cleaning, etc. Food use is not permitted.

‡ Food and Nonfood use – The only inert ingredients approved for use in pesticide products applied to food are those that have either tolerances or tolerance exemptions in the Code of Federal Regulations (CFR), 40 CFR part 180 (the majority are found in sections 180.910 – 960), or where no residues are found in food. Food use sites may include food contact surfaces in public eating places, dairy-process equipment, and food-processing equipment and utensils. Restrictions and limitations may vary. Please consult your BASF representative for further information on suitable BASF inert ingredients for your pesticide products.

Determination of BASF product EPA Inert status is either provided directly from EPA Inerts or by BASF self-assessment.

## TEST METHODS

### Test methods

- Cloud point in °C according to EN 1890:

  Method A: 1g surfactant + 100g distilled water

  Method B: 1g surfactant + 100g NaCl solution (c = 50g/L)

  Method C: 1g surfactant + 100g NaCl solution (c = 100g/L)

  Method D: 5g surfactant + 45g of diethylene glycol mono-butyl ether solution (c = 250g/L)

  Method E: 5g surfactant + 25g of diethylene glycol monobutyl ether solution (c = 250g/L)

- Viscosity: EN 12092 Brookfield, 60 rpm [mPa·s], 23 °C
- Viscosity: Ubbelohde according to DIN 51562 [$mm^2/s$]
- Molar mass calculated from hydroxyl number according to DIN 53240 or PSA method
- HLB value according to W.C. Griffin
- Melting point: BASF method

### Test methods for Lupasol types

| | |
|---|---|
| Physical form | at 25 °C |
| Concentration (dry content) | ISO 3251, 1g, 120 °C, 4 h |
| pH-value | DIN 19268, 10% dry substance in dist. water |
| Density | DIN 51757, 25 °C |
| Viscosity | Brookfield, 25 °C, as is |

### Test methods for Rheovis types

| | |
|---|---|
| Physical form | at 25 °C |
| Concentration | specific for each product, please refer to the Product Specification |
| pH-value | DIN 19268, 1% in dist. water |
| Bulk density | ISO 697 |
| Density | DIN 51757, 25 °C |
| Viscosity | Brookfield, 25 °C, undiluted |

### Test methods for Sokalan types

| | |
|---|---|
| Physical form | at 25 °C |
| Concentration | ISO 3251 drying to constant mass |
| Average molar mass | Gel Permeation Chromatography (calibration with polystyrene sulfonates/or polyacrylates) |
| pH-value | DIN 19268, 10% dry substance in dist. water |
| Bulk density | ISO 697 |
| Density | DIN 51757, 25 °C |
| Viscosity | Brookfield, 25 °C, undiluted |

### Test methods for sustainability metrics

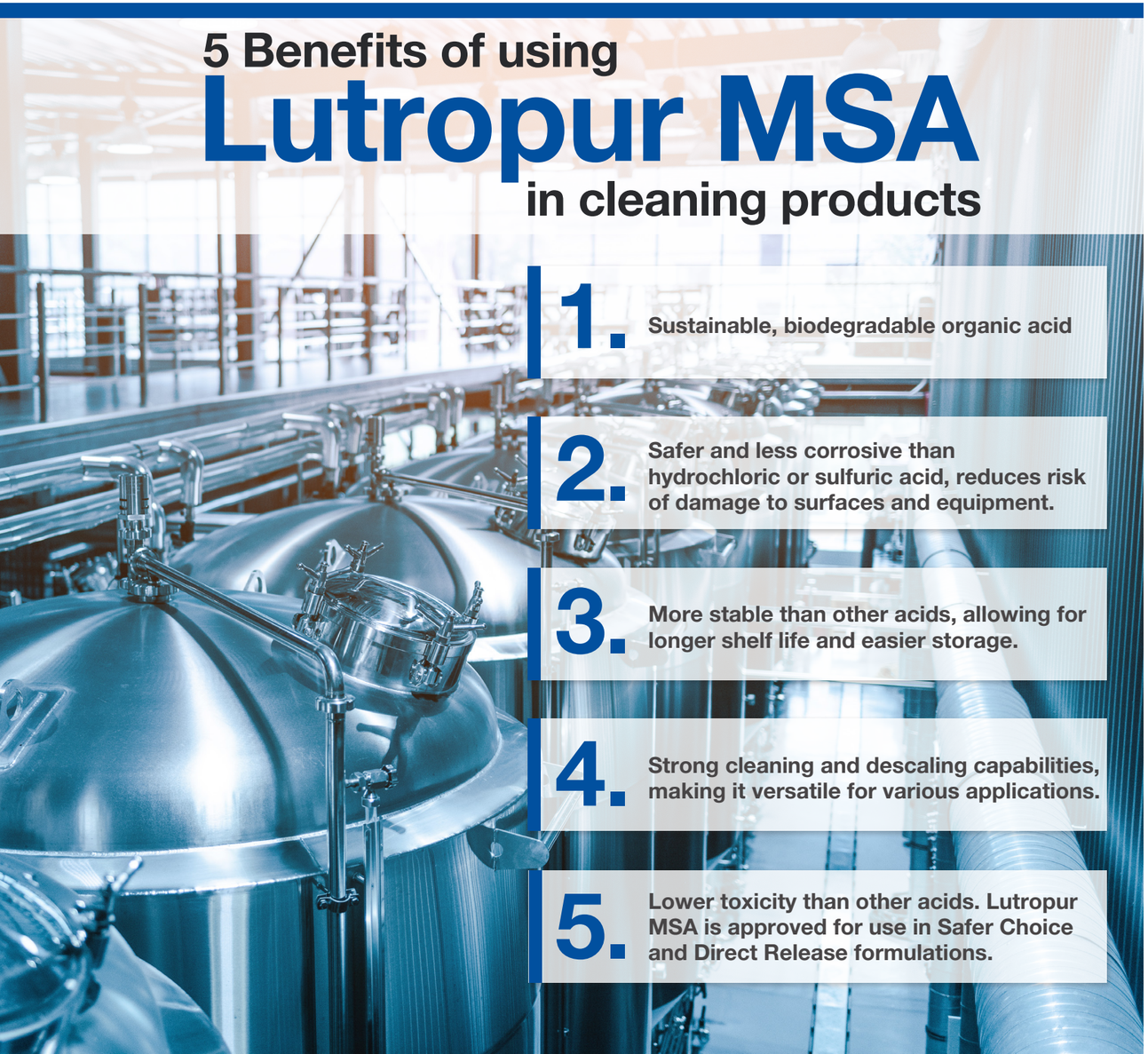
| | |
|---|---|
| Biodegradability | OECD 301F method |
| Product Carbon Footprint | The methodology for calculating the PCF is based on the ISO 14040, ISO 14044 and ISO 14067 standards and is compliant with the Greenhouse Gas Protocol Product Standard |
| Biobased Content | ASTM method D6866 |



## Table of Contents

## ACIDS

| Product | Chemical Nature | Active Matter [%] | Physical Form | Density 20 °C [g/cm³] | Biodegradability Level |
|---|---|---|---|---|---|
| Lutropur® MSA Δ‡ | Methanesulfonic acid in water | approx. 70 | Liquid | approx. 1.35 | RB |
| Luvipur® FM 75 | | 75 | Liquid | approx. 1.18 | RB |
| Luvipur® FM 85† | Formic Acid | 85 | Liquid | approx. 1.19 | RB |
| Luvipur® FM 99Δ | | 99 | Liquid | approx. 1.22 | RB |
| Sokalan® DCS | Mixture of dicarboxylic acids | approx. 99 | Flakes | | RB |




## ANIONIC SURFACTANTS

### Fatty Alcohol Ethersulfates

| Product | Chemical Nature | Active Matter [%] | Physical Form [23 °C] | % Biobased Carbon | Biodegradability Level |
|---|---|---|---|---|---|
| Texapon® K 14 S Spez. 70%† | Sodium myreth sulfate | approx. 70 | Granules | 100 | RB |

### Fatty Alcohol Sulfates

| Product | Chemical Nature | Active Matter [%] | Physical Form [23 °C] | % Biobased Carbon | Biodegradability Level |
|---|---|---|---|---|---|
| Sulfopon® 1216 G† | Sodium Coco-sulfate | approx. 92.5 | Granules | 100 | RB |
| Texapon® 842 UPΔ† | Sodium n-octyl sulfate | approx. 40 | Liquid | 100 | RB |
| Texapon® K 12 GΔ‡ | Sodium C 12 fatty alcohol sulfate | approx. 97 | Granules | 100 | RB |
| Texapon® K 12 P‡ | Sodium C 12 fatty alcohol sulfate | approx. 97 | Powder | 100 | RB |
| Texapon® K 30 UP† | Sodium Coco-sulfate | approx. 29 | Liquid | 100 | RB |
| Texapon® V 95 G‡ | Sodium lauryl sulfate | approx. 97 | Granules | 100 | RB |
| Texapon® Z 95 P† | Sodium C12-18 fatty alcohol sulfate | approx. 95 | Powder | 100 | RB |

**Note:**

† = Nonfood use EPA Inert Ingredients; ‡ = Food and Nonfood use EPA Inert Ingredients; UP = Unpreserved/Preservative free
G = Granules; P = Powder; NA = North American version; LD = Low Dioxane; K = MIT/CIT preserved
Δ = Direct Release

## BIOCIDES

| Product | Active | Physical Form | Active Matter [%] | Biodegradability Level |
|---|---|---|---|---|
| **FIFRA Regulated End Use** | | | | |
| Aseptrol® | Chlorine Dioxide | Solid | | PB |
| Myacide® AS Plus† | Bronopol | Crystals | 99 | RB |
| Myacide® GA 50† | Glutaraldehyde | Liquid | 50 | RB |
| Myacide® S 15† | Bronopol | Liquid | 10 | PE |
| Myacide® S 30† | Bronopol | Liquid | 30 | RB |
| **FIFRA Regulated Technical Grade** | | | | |
| Myacide® AS Technical† | Bronopol | Crystals | 99 | RB |
| Myacide® GDA Technical† | Glutaraldehyde | Liquid | 50 | RB |
| **Non FIFRA Regulated** | | | | |
| Protectol® GA 50 | Glutaraldehyde | Liquid | 50 | RB |
| Protectol® PE NA | Phenoxyethanol | Liquid | 99.5 | RB |

**FIFRA = Federal Insecticide, Fungicide, and Rodenticide Act**

## CHELATING AGENTS

| Product | Chemical Nature | Physical Form | Active Matter [%] | pH [1% in dist. Water] | Bulk Density [g/L] | Density 20 °C [g/cm³] | % Biobased Carbon | Biodegradability Level |
|---|---|---|---|---|---|---|---|---|
| Trilon® A liquid† | Trisodium salt of NTA | Liquid | 40 | 11.3 | | 1.31 | | RB |
| Trilon® B liquid‡ | Tetrasodium salt of EDTA | Liquid | 40 | 11.5 | | 1.31 | | PB |
| Trilon® B Powder‡ | Tetrasodium salt of EDTA | Powder | 87 | 11.5 | 690 | | | PB |
| Trilon® BAD liquid† | Diammonium salt of EDTA | Liquid | 45 | 5 | | | | PB |
| Trilon® BAQ liquid | Tetraammonium salt of EDTA | Liquid | 48 | 9 | | | | PB |
| Trilon® BD‡ | Disodium salt of EDTA | Powder | 90 | 4.5 | 950 | | | PB |
| Trilon® BS Powder† | Ethylenediaminetetraacetic acid | Powder | min. 99 | 2.8 | 820 | | | PB |
| Trilon® BX Liquid‡ | Tetrasodium salt of EDTA | Liquid | 40 | 11.5 | | 1.28 | | PB |
| Trilon® BX Powder‡ | | Powder | 84 | 11.2 | 845 | | | PB |
| Trilon® C Liquid 50% | Pentasodium salt of DTPA | Liquid | 50 | 11.5 | | 1.35 | | PB |
| Trilon® C liquid† | | Liquid | 40 | 11.5 | | 1.29 | | PB |
| Trilon® D liquid† | Trisodium salt of HEDTA | Liquid | 40 | 11.5 | | | | PB |
| Trilon® M Granules SGTΔ† | Trisodium salt of MGDA | Granules | min. 76 | 11.5 | 775 | | ask for details | RB |
| Trilon® M Liquid TΔ† | | Liquid | 40 | 11.0 | | 1.31 | ask for details | RB |
| Trilon® P liquid | Anionic polyamine, modified | Liquid | 40 | 11.5 | | 1.2 | | PB |

**Note:**

† = Nonfood use EPA Inert Ingredients; ‡ = Food and Nonfood use EPA Inert Ingredients

Δ = Direct Release

## CORROSION INHIBITORS

| Product | Chemical Nature | Active Matter [%] | Physical Form | pH | Biodegradability Level |
|---|---|---|---|---|---|
| Korantin® MAT | Aliphatic dicarboxylic acid monoalkylamide in triethanolamine | 100 | Liquid | 8.4 – 9.0 (5% in water) | RB |

## ENZYMES

| Product | Chemical Nature | Physical Form | pH | Density at 20 °C [g/cm³] | Activity |
|---|---|---|---|---|---|
| Lavergy® Pro 106 L | Protease preparation | Liquid | 5-7 | 1.0 – 1.1 | >10000 BPU/g |
| Lavergy® Pro 106 LS | Stabilized Protease | Liquid | 7-9 | 1.0 – 1.1 | >10000 BPU/g |
| Lavergy® Pro 114 LS | Stabilized Protease | Liquid | 5-7 | 1.0 – 1.1 | >10000 BPU/g |
| Lavergy® C Bright 100 L | Cellulase | Liquid | 5-7 | 1.1 – 1.2 | >5000 BCU/g |
| Lavergy® M Ace | Mannanase | Liquid | 6-8 | | >10000 BMU/g |

**BPU = BASF Protease Unit**
**BCU = BASF Cellulase Unit**
**BMU = BASF Mennanase Unit**

**Note:**

* = Concentration listed as active basis; † = Nonfood use EPA Inert Ingredients; ‡ = Food and Nonfood use EPA Inert Ingredients

# Trilon® M
Liquid & Granules

**Trilon® M offers a sustainable solution, without compromising on performance.**

**Sustainability:** 43% Biobased, Biodegradable, Superior Eco Profile

**Performance:** Efficient chelating agent means that less can be used. Highly efficient (~40% more efficient than EDTA or GLDA)

**Applications:** Broad compatibility and application use

Learn More ›

# Lavergy® Enzymes
Homecare I&I Solutions

- Stain-fighting power
- Readily biodegrable[1]
- Halal & Kosher certified
- No preservatives used in manufacturing[2]

add the power of Lavergy®

1 "Readily biodegradable" means ≥ 60% degradation within 28 days, as measured by OECD 301F method.
2 No Intentionally added preservatives

**Lavergy M Ace** | Mannanase

Lavergy M Ace is a liquid Mannanase enzyme that removes mannan-containing stains like BBQ sauce, chocolate, ice cream, and more!

**Lavergy Pro 114 LS** | Non-Boron Stabilized Protease

Lavergy 114 LS boasts high wash performance at warm and cold temperatures.

**Lavergy Pro 106 L & LS** | Protease

Lavergy Pro 106 L and Lavergy Pro 106 LS are liquid proteases that enable enhanced removal of stains such as egg, blood and milk. Lavergy Pro L is unstabilized and Lavergy Pro 106 LS is stabilized.

**Lavergy C Bright** | Cellulase

Lavergy C Bright provides the benefit of strong anti-graying performance at low temperatures.

## NONIONIC SURFACTANTS

### Alcohol Alkoxylates

| Product | Chemical Nature | Form | Cloud Point Method A [°C] | HLB | Foam Height [mm] Ross Miles (0.1% wt%, 25 °C) t = 0 min/5 min* | % Biobased Carbon | Biodegradability Level |
|---|---|---|---|---|---|---|---|
| Dehydol® 100‡ | C10-18 Fatty Alcohol (9 EO) | Paste | 80 | 13 | 115 & 115 | 45 | RB |
| Dehydol® LT 5‡ | C12-18 Fatty Alcohol (5 EO) | Liquid | | 10.5 | 35 & 30 | 60 | RB |
| Dehydol® LT 7‡ | C12-18 Fatty Alcohol (7 EO) | Liquid | 53 | 12 | 110 & 110 | 52 | RB |
| Inoterra™ DWE‡ | Nonionic Surfactant | Liquid | 53 | 12.4 | 110 & 75 | | UB |
| Inoterra™ DWF† | Nonionic Surfactant | Liquid | 54 | 13.6 | 100 & 80 | | UB |
| Lutensol® A 9 N‡ | C12-14 Fatty Alcohol (9 EO) | Waxy Solid | 75 | 12.9 | 110 & 110 | 49 | UB |
| Lutensol® A 12 N‡ | C12-14 Fatty Alcohol (12 EO) | Waxy Solid | >100 | 14.3 | | 34 | UB |
| Lutensol® A 65 N‡ | C12-14 Fatty Alcohol (6.5 EO) | Liquid | 50 | 12 | 120 & 115 | 41 | UB |
| Lutensol® AO 3‡ | C13-C15 Oxo Alcohol (3 EO) | Liquid | | 8 | 15 & 15 | | RB |
| Lutensol® AO 5 | C13-C15 Oxo Alcohol (5 EO) | Liquid | | 10 | | | RB |
| Lutensol® AO 7‡ | C13-C15 Oxo Alcohol (7 EO) | Liquid | 43 | 12 | 100 & 100 | | RB |
| Lutensol® AO 8‡ | C13-C15 Oxo Alcohol (8 EO) | Solid | 52 | 12.5 | 100 & 100 | | RB |
| Lutensol® AO 11‡ | C13-C15 Oxo Alcohol (11 EO) | Solid | 86 | 14 | 115 & 105 | | RB |
| Lutensol® AT 25 Flake‡ | C16-C18 Fatty Alcohol (25 EO) | Flake | >100 | 16 | 85 & 65 | 25 | RB |
| Lutensol® AT 25 Pwd.‡ | C16-C18 Fatty Alcohol (25 EO) | Powder | >100 | 16 | 85 & 65 | 25 | RB |
| Lutensol® CS 6250‡ | Alcohol Ethoxylate | Liquid | >100 | | 10 & 0 | | UB |
| Lutensol® LA 60‡ | C12-14 Fatty Alcohol (7 EO) | Liquid | 60 | | 115 & 115 | 49 | UB |
| Lutensol® ON 30 | C10-Oxoalkohol + 3 EO | Liquid | | 9 | | | UB |
| Lutensol® ON 60 | C10-Oxoalkohol + 6 EO | Liquid | 36 | 11.5 | | | RB |
| Lutensol® TDA 3‡ | Tridecyl Alcohol (3 EO) | Liquid | | 8 | 10 & 0 | | MB |
| Lutensol® TDA 6‡ | Tridecyl Alcohol (6 EO) | Liquid | | 11 | 55 & 50 | | MB |
| Lutensol® TDA 7‡ | Tridecyl Alcohol (7 EO) | Liquid | | | | | |
| Lutensol® TDA 8‡ | Tridecyl Alcohol (8 EO) | Liquid | 43 | 12 | 115 & 75 | | RB |
| Lutensol® TDA 8, 90%‡ | Tridecyl Alcohol (8 EO) | Liquid | 43 | 12 | 115 & 75 | | RB |
| Lutensol® TDA 9‡ | Tridecyl Alcohol (9 EO) | Liquid | 58 | 13 | 125 & 85 | | UB |
| Lutensol® TDA 10‡ | Tridecyl Alcohol Ethoxylate (10 EO) | Paste | 82 | 14 | 130 & 110 | | UB |
| Lutensol® TO 5‡ | C13 Oxo Alcohol (5 EO) | Liquid | | 10.5 | 20 & 20 | | UB |
| Lutensol® TO 6‡ | C13 Oxo Alcohol (6 EO) | Liquid | | 11 | 70 & 65 | | UB |
| Lutensol® TO 7 | C13 Oxo Alcohol (7 EO) | Liquid | | 12 | | | RB |



| Product | Chemical Nature | Form | Cloud Point Method A [°C] | HLB | Foam Height [mm] Ross Miles (0.1% wt%, 25 °C) t = 0 min/5 min* | % Biobased Carbon | Biodegradability Level |
|---|---|---|---|---|---|---|---|
| Lutensol® TO 8‡ | C13 Oxo Alcohol (8 EO) | Liquid | 60 | 13 | 115 & 75 | | UB |
| Lutensol® TO 12‡ | C13 Oxo Alcohol (8 EO) | Paste | 93 | 14.5 | 125 & 85 | | RB |
| Lutensol® TO 89‡ | C13 Oxo Alcohol (8 EO) | Liquid | 60 | 13 | 115 & 75 | | UB |
| Lutensol® XL 40‡ | Guerbet Alcohol Alkoxylate (4 EO) | Liquid | | 10.5 | 20 & 5 | | RB |
| Lutensol® XL 50 | Guerbet Alcohol Alkoxylate (5 EO) | Liquid | | 11.5 | 30 & 10 | | RB |
| Lutensol® XL 70‡ | Guerbet Alcohol Alkoxylate (7 EO) | Liquid | | 12.5 | 105 & 15 | | RB |
| Lutensol® XL 79‡ | Guerbet Alcohol Alkoxylate (7 EO) | Liquid | | 12.5 | 105 & 15 | | RB |
| Lutensol® XL 80‡ | Guerbet Alcohol Alkoxylate (8 EO) | Liquid | 56 | 13 | 105 & 15 | | RB |
| Lutensol® XL 90‡ | Guerbet Alcohol Alkoxylate (9 EO) | Liquid | 69 | 14 | 111 & 20 | | RB |
| Lutensol® XL 100‡ | Guerbet Alcohol Alkoxylate (10 EO) | Liquid/ Paste | 80 | 15 | 120 & 35 | | UB |
| Lutensol® XP 30‡ | Guerbet Alcohol Ethoxylate (3 EO) | Liquid | | 9 | 0 & 0 | | UB |
| Lutensol® XP 40‡ | Guerbet Alcohol Ethoxylate (4 EO) | Liquid | | 10.5 | 10 & 0 | | UB |
| Lutensol® XP 50‡ | Guerbet Alcohol Ethoxylate (5 EO) | Liquid | | 11.5 | 20 & 0 | | UB |
| Lutensol® XP 70‡ | Guerbet Alcohol Ethoxylate (7 EO) | Liquid | 52 | 13 | 80 & 5 | | UB |
| Lutensol® XP 79‡ | Guerbet Alcohol Ethoxylate (7 EO) | Liquid | 52 | 13 | 80 & 5 | | UB |
| Lutensol® XP 80Δ‡ | Guerbet Alcohol Ethoxylate (8 EO) | Liquid | 56 | 14 | 60 & 5 | | UB |
| Lutensol® XP 89Δ‡ | Guerbet Alcohol Ethoxylate (8 EO) | Liquid | 56 | 14 | 60 & 5 | | UB |
| Lutensol® XP 90Δ‡ | Guerbet Alcohol Ethoxylate (9 EO) | Liquid | 69 | 14.5 | 95 & 10 | | UB |

**Note:**

Cloud Point (Method A) = 1g active surfactant + 100g water; * = Concentration listed as active basis

† = Nonfood use EPA Inert Ingredients; ‡ = Food and Nonfood use EPA Inert Ingredients; HLB = Hydrophilic-lipophilic balance

Δ = Direct Release

## Alkyl Polyglucosides

| Product | Chemical Nature | Form | Active Matter [%] | Foam Height [mm] Ross Miles (0.1% wt%, 25 °C) t = 0 min/5 min* | % Biobased Carbon | Biodegradability Level |
|---|---|---|---|---|---|---|
| APG® 325 UP† | Decyl/Undecyl Glucoside | Liquid | 50 | 150 & 150 | ask for details | RB |
| Glucopon® 50 G† | Lauryl/Myristyl Glucoside (and) Sodium Sulfate (and) Sodium Silicate (and) Sodium Coco Sulfate | Solid | 50 | Insoluble | 100 | UB |
| Glucopon® 215 UPΔ‡ | Caprylyl/Decyl Glucoside | Liquid | 64 | 140 & 140 | 100 | RB |
| Glucopon® 225 DKΔ‡ | | Liquid | 70 | 150 & 150 | 100 | RB |
| Glucopon® 420 UP‡ | Caprylyl/Myristyl Glucoside | Liquid | 50 | 155 & 155 | 100 | RB |
| Glucopon® 425 N† | | Liquid | 50 | 150 & 150 | 100 | RB |
| Glucopon® 600 UP† | Lauryl/Myristyl Glucoside | Liquid | 50 | 135 & 135 | 100 | RB |
| Glucopon® 625 UP† | | Liquid | 50 | 135 & 135 | 100 | RB |

**Note:**

* = Concentration listed as active basis; † = Nonfood use EPA Inert Ingredients; ‡ = Food and Nonfood use EPA Inert Ingredients

UP = Unpreserved/Preservative free; DK = Dark; N = Neutralized; G = Granule Prop. = Proprietary;

Δ = Direct Release HLB = Hydrophilic-lipophilic balance

# Glucopon®

## Nonionic Surfactants for Cleaning

- 1,4-dioxane free[1]
- New claim options (e.g. mild to skin)
- Lower fossil carbon footprint[2]
- Readily biodegradable[3]
- 100% biobased Glucopon portfolio[4]

[1] Glucopons do not contain ethylebe oxide, therefore no 1,4-dioxane is expected
[2] Glucopon 420 UP has 70% lower PCF when compared against 91-6 like non-ionic surfactant Source: BASF SCOTT (Strategic CO2 Transparency Tool)
[3] Readily biodegradable" means ≥ 60% degradation within 28 days. Measured by the OECD 301 methods.
[4] Renewable carbon index was calculated to be 100%

## Benefits of BASF's alkyl polyglucosides

- Excellent foaming and cleansing properties. Offers excellent cleaning on polar, food soils (e.g. olive oil)
- Derived from natural sources*
- Locally produced in the USA
- Approved for use in Safer Choice products

Learn More › Hard Surface

Learn More › Laundry

SAFER CHOICE

* APG 325 uses a synthetic alcohol instead of palm oil based

## Amine Ethoxylates

| Product | Chemical Nature | Cloud Point [°C] | Amine Number [mg KOH/g] | Viscosity [mPa·s] | Physical Form [23 °C] | Biodegradability Level |
|---|---|---|---|---|---|---|
| Demelan® VPC† | Blend of ethoxylated fatty amines and ethoxylated fatty alcohols | approx. 58/E | approx. 112 | approx. 250 | Liquid | RB |
| Trymeen® 6607 | | | | | Liquid | PB |

## Ethylene Oxide/Propylene Oxide Block Copolymer

| Product | Chemical Nature | Form | Cloud Point Method A [°C] | HLB** | Foam Height [mm] Ross Miles (0.1% wt%, 25 °C) t = 0 min/5 min* | Biodegradability Level |
|---|---|---|---|---|---|---|
| Pluronic® 10 R5Δ‡ | EO/PO Block Copolymer, 50% EO | Liquid | 69 | 15 | 60 & 0 | PE |
| Pluronic® 17 R2Δ‡ | EO/PO Block Copolymer, 20% EO | Liquid | 35 | 6 | 25 & 0 | RB |
| Pluronic® 17 R4‡ | EO/PO Block Copolymer, 40% EO | Liquid | 46 | 12 | 40 & 0 | RB |
| Pluronic® 25 R2Δ‡ | EO/PO Block Copolymer, 20% EO | Liquid | 29 | 4 | 20 & 0 | RB |
| Pluronic® 25 R4Δ‡ | EO/PO Block Copolymer, 40% EO | Liquid | 40 | 8 | 30 & 0 | UB |
| Pluronic® 31 R1‡ | EO/PO Block Copolymer, 10% EO | Liquid | 25 | 1 | 10 & 0 | PE |
| Pluronic® F 68 Prill | EO/PO Block Copolymer, 80% EO | Prill | >100 | 29 | 100 & 90 | PB |
| Pluronic® F 77 Prill | EO/PO Block Copolymer, 70% EO | Prill | >100 | 25 | 90 & 75 | PE |
| Pluronic® F 87 Prill‡ | EO/PO Block Copolymer, 70% EO | Prill | >100 | 24 | 95 & 75 | UB |
| Pluronic® F 88 Prill‡ | EO/PO Block Copolymer, 80% EO | Prill | >100 | 28 | 85 & 80 | PE |
| Pluronic® F 98 Prill‡ | EO/PO Block Copolymer, 80% EO | Prill | >100 | 28 | 75 & 70 | UB |
| Pluronic® F 108 Prill‡ | EO/PO Block Copolymer, 80% EO | Prill | >100 | 27 | 70 & 70 | UB |
| Pluronic® F 127 Prill‡ | EO/PO Block Copolymer, 70% EO | Prill | >100 | 22 | 70 & 65 | PB |
| Pluronic® L 10‡ | EO/PO Block Copolymer, 10% EO | Liquid | 32 | 14 | 30 & 0 | PE |
| Pluronic® L 31‡ | EO/PO Block Copolymer, 10% EO | Liquid | 37 | 5 | 40 & 0 | PE |
| Pluronic® L 35‡ | EO/PO Block Copolymer, 50% EO | Liquid | 73 | 19 | 70 & 0 | RB |
| Pluronic® L 44 INH‡ | EO/PO Block Copolymer, 40% EO | Liquid | 67 | 16 | 50 & 0 | UB |
| Pluronic® L 61Δ‡ | EO/PO Block Copolymer, 10% EO | Liquid | 24 | 3 | 15 & 0 | RB |
| Pluronic® L 62Δ‡ | EO/PO Block Copolymer, 20% EO | Liquid | 32 | 7 | 25 & 0 | RB |
| Pluronic® L 62 LFΔ‡ | EO/PO Block Copolymer, 20% EO | Liquid | 28 | 7 | 30 & 0 | UB |
| Pluronic® L 64‡ | EO/PO Block Copolymer, 40% EO | Liquid | 58 | 15 | 35 & 0 | PE |
| Pluronic® L 81‡ | EO/PO Block Copolymer, 10% EO | Liquid | | 2 | Insoluble | UB |
| Pluronic® L 92‡ | EO/PO Block Copolymer, 20% EO | Liquid | 26 | 6 | 40 & 0 | UB |
| Pluronic® L 101‡ | EO/PO Block Copolymer, 10% EO | Liquid | | 1 | Insoluble | PE |
| Pluronic® L 121‡ | EO/PO Block Copolymer, 10% EO | Liquid | | 1 | Insoluble | PE |

| Product | Chemical Nature | Form | Cloud Point Method A [°C] | HLB** | Foam Height [mm] Ross Miles (0.1% wt%, 25 °C) t = 0 min/5 min* | Biodegradability Level |
|---|---|---|---|---|---|---|
| Pluronic® N 3Δ‡ | EO/PO Block Copolymers | Liquid | 31 | 16 | 15 & 0 | UB |
| Pluronic® P 65‡ | EO/PO Block Copolymer, 50% EO | Paste | 82 | 17 | 65 & 15 | UB |
| Pluronic® P 103‡ | EO/PO Block Copolymer, 30% EO | Paste | 86 | 9 | 120 & 90 | PB |
| Pluronic® P 104‡ | EO/PO Block Copolymer, 40% EO | Paste | 81 | 13 | 95 & 80 | PB |
| Pluronic® P 105‡ | EO/PO Block Copolymer, 50% EO | Paste | 91 | 15 | 95 & 85 | PB |
| Pluronic® P 123‡ | EO/PO Block Copolymer, 30% EO | Paste | 90 | 8 | 110 & 95 | PB |
| Tetronic® 901† | Amine Based Block Copolymer, 10% EO | Liquid | | 3 | Insoluble | PB |
| Tetronic® 904‡ | Amine Based Block Copolymer, 40% EO | Paste | 74 | 15 | 90 & 55 | MB |
| Tetronic® 908 Prill‡ | Amine Based Block Copolymer, 80% EO | Prill | >100 | 31 | 70 & 60 | MB |
| Tetronic® 1107 Prill‡ | Amine Based Block Copolymer, 70% EO | Prill | >100 | 24 | 80 & 70 | MB |
| Tetronic® 1301‡ | Amine Based Block Copolymer, 10% EO | Liquid | | 2 | Insoluble | PB |

**Note:**
Cloud Point (Method A) = 1g active surfactant + 100g water; * = Concentration listed as active basis; ** = Calculated HLB = Hydrophilic-lipophilic balance
† = Nonfood use EPA Inert Ingredients; ‡ = Food and Nonfood use EPA Inert Ingredients

## Low-Foaming Nonionic Surfactants

| Product | Chemical Nature | Form | Cloud Point Method A [°C] | HLB | Foam Height [mm] Ross Miles (0.1% wt%, 25 °C) t = 0 min/5 min* | % Biobased Carbon | Biodegradability Level |
|---|---|---|---|---|---|---|---|
| Dehypon® GRA | Modified Fatty Alcohol Polyglycolether | Solid | | Prop. | Insoluble | ask for details | RB |
| Dehypon® LS 24‡ | C12-14 Fatty Alcohol (2EO) & 4PO | Liquid | 6 | 7.5 | 10 & 5 | 45 | RB |
| Dehypon® LS 36‡ | C12-14 Fatty Alcohol (3EO) & 6PO | Liquid | 11 | 9.0 | 15 & 5 | 35 | RB |
| Dehypon® LS 54‡ | C12-14 Fatty Alcohol (5EO) & 4PO | Liquid | 30 | 14.5 | 90 & 15 | 37 | RB |
| Dehypon® LT 104 | C12-18 Fatty Alcohol (10EO) & n-butyl end-capped | Paste | 26 | 14.5 | 75 & 10 | 38 | RB |
| Plurafac® D 250‡ | Alcohol Alkoxylate | Liquid | 57 | Prop. | 95 & 25 | | RB |
| Plurafac® LF 120 | Alcohol Alkoxylate | Liquid | 29 | Prop. | 45 & 5 | | RB |
| Plurafac® LF 220 | Alcohol Alkoxylate | Liquid | 42 | Prop. | 105 & 10 | | RB |
| Plurafac® LF 221 | Alcohol Alkoxylate | Liquid | 34 | Prop. | 75 & 10 | | UB |
| Plurafac® LF 224 | Alcohol Alkoxylate | Liquid | | Prop. | 10 & 5 | | RB |
| Plurafac® LF 303‡ | Alcohol Alkoxylate | Liquid | | Prop. | Insoluble | | UB |
| Plurafac® LF 400‡ | Alcohol Alkoxylate | Liquid | 33 | Prop. | 90 & 15 | | RB |
| Plurafac® LF 403‡ | Alcohol Alkoxylate | Liquid | | Prop. | 10 & 5 | | RB |
| Plurafac® LF 431 | Alcohol Alkoxylate & End Capped | Liquid | | Prop. | | | UB |
| Plurafac® LF 500‡ | Alcohol Alkoxylate | Liquid | 18 | Prop. | 20 & 5 | | RB |
| Plurafac® LF 802‡ | Alcohol Alkoxylate | Liquid | 56 | Prop. | 125 & 30 | | RB |



| Product | Chemical Nature | Form | Cloud Point Method A [°C] | HLB | Foam Height [mm] Ross Miles (0.1% wt%, 25 °C) t = 0 min/5 min* | % Biobased Carbon | Biodegradability Level |
|---|---|---|---|---|---|---|---|
| Plurafac® LF 900‡ | Alcohol Alkoxylate | Liquid | 20 | Prop. | 5 & 0 | | UB |
| Plurafac® LF 901‡ | Alcohol Alkoxylate | Liquid | 38 | Prop. | 35 & 5 | | RB |
| Plurafac® LF RA-P‡ | Alcohol Alkoxylate | Liquid | 35 | Prop. | 65 & 5 | ask for details | RB |
| Plurafac® RA 300‡ | Alcohol Alkoxylate | Liquid | 37 | Prop. | 114 & 30 | ask for details | RB |
| Plurafac® RCS 43‡ | Alcohol Alkoxylate | Liquid | 43 | Prop. | 45 & 0 | ask for details | UB |
| Plurafac® S 305 LF‡ | Alcohol Alkoxylate | Liquid | 19 | Prop. | 15 & 0 | ask for details | UB |
| Plurafac® S 405 LF‡ | Alcohol Alkoxylate | Liquid | 28 | Prop. | 20 & 0 | ask for details | UB |
| Plurafac® S 505 LF‡ | Alcohol Alkoxylate | Liquid | 47 | Prop. | 60 & 10 | ask for details | UB |
| Plurafac® SL 62‡ | Alcohol Alkoxylate | Liquid | 62 | Prop. | 125 & 30 | ask for details | MB |
| Plurafac® SLF 180‡ | Alcohol Alkoxylate | Liquid | 18 | Prop. | 20 & 0 | | RB |

**Note:**
Cloud Point (Method A) = 1g active surfactant + 100g water; * = Concentration listed as active basis; † = Nonfood use EPA Inert Ingredients
‡ = Food and Nonfood use EPA Inert Ingredients; HLB = Hydrophilic-lipophilic balance; Prop. = Proprietary

### Special Surfactants

| Product | Chemical Nature | Form | Cloud Point Method A [°C] | HLB | Foam Height [mm] Ross Miles (0.1% wt%, 25 °C) t = 0 min/5 min* | % Biobased Carbon | Biodegradability Level |
|---|---|---|---|---|---|---|---|
| Basophor® ELH 60 | Castor oil ethoxylate | Liquid | >100 | 16 | | 32 | RB |
| Dehypound® Advanced† | Speciality Nonionic Surfactant | Liquid | 27 | | 95 & 35 | ask for details | RB |
| Dehypound® HDG | Specialty Nonionic Surfactant | Liquid | | | 85 & 40 | | RB |
| Dehypound® M | Specialty Nonionic Surfactant | Liquid | 52 | | 125 & 120 | 71 | RB |
| Plurafac® CS-10 | Polycarboxylated Surfactant | Liquid | | | 65 & 15 | | MB |

**Note:**

Cloud Point (Method A) = 1g active surfactant + 100g water; † = Nonfood use EPA Inert Ingredients; ‡ = Food and Nonfood use EPA Inert Ingredients

HLB = Hydrophilic-lipophilic balance; Prop. = Proprietary

## OPTICAL EFFECT PRODUCTS AND STABILIZERS

### Antioxidants

| Product | Chemical Nature | Physical Form | Active Matter [%] |
|---|---|---|---|
| Tinogard® DA | Didodecyl 3, 3'-thiodipropionate | Flakes | ≥ 95 |
| Tinogard® TT | Pentaerythrityl Tetra-di-t-butyl Hydroxyhydrocinnamate | Powder | 100 |

### Fluorescent Whitening Agents (FWAs)

| Product | Chemical Nature | Appearance | Active Matter [%] |
|---|---|---|---|
| Tinopal® CBS SP Slurry 33† | Distyryl biphenyl derivative | Flowable suspension | 30 |
| Tinopal® CBS-X† | | Free flowing granules | 90 |
| Tinopal® CBS CL† | Distyryl biphenyl derivative (in aqueous propylene glycol) | Light yellow liquid | 10 |

## OTHER SURFACTANTS

| Product | Chemical Nature | Active Matter [%] | Physical Form [23°C] | pH | % Biobased Carbon | Biodegradability Level |
|---|---|---|---|---|---|---|
| Comperlan® 100 NA | Cocamide MEA | 96 | Solid | | 88 | RB |
| Comperlan® CMEA NA† | Cocamide MEA | min. 87 | Solid | | 87 | RB |
| Comperlan® IP | Cocamide MIPA | min. 95 | Solid | | 82 | RB |
| Comperlan® KD | Cocamide DEA | 95 | Solid | 9 – 11 | 76 | RB |
| Comperlan® LD | Lauramide DEA | 95 | Solid | 9 – 10 | 75 | RB |
| Comperlan® MIPA | Cocoamide MIPA | 86 | Pellets | 8 – 11 | 82 | RB |
| Dehyquart® CSP† | Special cationic surfactant | 80 | Liquid | | 59 | RB |
| Dehyton® AB 30† | Coco betaine | 31 | Liquid | | 77 | RB |
| Dehyton® KE UP† | Cocamidopropyl betaine | 30 | Liquid | | 77 | RB |
| Dehyton® MC | Sodium cocoamphoacetate | 40 | Liquid | | 66 | UB |
| Dehyton® PK 45† | Cocamidopropyl betaine | 45 | Liquid | | 66 | RB |
| Dehyton® SFA | Blend of cocamidopropyl betaine, disodium 2-sulfolaurate | 47 | Liquid | | | UB |
| Deriphat® 160 C† | Sodium lauriminodipropionate | 30 | Liquid | | 66 | RB |
| Klearfac® AA 270† | Phosphate Ester | 85 | Liquid | | | UB |
| Larostat® 264 A | Cationic antistat additive | 35 | Liquid | | | PB |
| Tryfac® 5560-A TDA-6 Phosphate | Tridecyl alcohol phosphate ester | | Liquid | | | |
| Texapon® SFA | Disodium 2-Sulfolaurate | 30 | Solid | | 100 | RB |

**Note:**

† = Nonfood use EPA Inert Ingredients

# One Product Line, Two Excellent Solutions

BASF's Pluriol E (Polyethylene Glucols (PEGs)) products are available with a range of physical properties, making them suitable in a broad array of applications such as: solvents, binders/fillers, lubricants, anti-foam agents, dispersants, and more.

BASF also provides LS grades, for more salt-sensitive applications. These PEGs adhere to a specification for residual sodium and potassium, ensuring that your salt-sensitive formulation remains unaffected and meets the desired standards.

| **Pluriol®** E Line | **Pluriol®** E LS |
|---|---|
| Solvent, Binder / Filler, Lubricant, Anti-Foam, Dispersant, Anti-Stat | Low Salt PEGs better for salt-sensitive formulations |



## POLYALKYLENE GLYCOLS

| Product | Chemical Nature | Physical Form [23 °C] | Molecular Weight | Biodegradability Level |
|---|---|---|---|---|
| Pluriol® E 200 LS† | Polyethylene glycol | Liquid | approx. 200 | UB |
| Pluriol® E 200† | Polyethylene glycol | Liquid | approx. 200 | UB |
| Pluriol® E 300 LS† | Polyethylene glycol | Liquid | approx. 300 | RB |
| Pluriol® E 300† | Polyethylene glycol | Liquid | approx. 300 | RB |
| Pluriol® E 400 LS† | Polyethylene glycol | Liquid | approx. 400 | UB |
| Pluriol® E 400† | Polyethylene glycol | Liquid | approx. 400 | UB |
| Pluriol® E 600 LS† | Polyethylene glycol | Liquid/Solid | approx. 600 | UB |
| Pluriol® E 600† | Polyethylene glycol | Liquid/Solid | approx. 600 | UB |
| Pluriol® E 1000 LS† | Polyethylene glycol | Solid | approx. 1000 | UB |
| Pluriol® E 3350 Prill‡ | Polyethylene glycol | Prill | approx. 3350 | UB |
| Pluriol® E 4000 FL‡ | Polyethylene glycol | Flake | approx. 4000 | UB |
| Pluriol® E 4000 Prill‡ | Polyethylene glycol | Prill | approx. 4000 | RB |
| Pluriol® E 8000 E‡ | Polyethylene glycol | Solid | approx. 8000 | PE |
| Pluriol® E 8000 Prill | Polyethylene glycol | Prill | approx. 8000 | RB |

**Note:**

† = Nonfood use EPA Inert Ingredients

‡ = Food and Nonfood use EPA Inert Ingredients

## WATER SOLUBLE POLYMERS

### Dispersing Agents

| Product | Chemical Nature | Physical Form | Active Matter [%] | Molar Mass [g/mol] | pH [10% in dist. Water] | Bulk Density [g/L] | Density [g/cm³] | Viscosity [mPa·s] | Biodegradability Level |
|---|---|---|---|---|---|---|---|---|---|
| Sokalan® CP 5‡ | Maleic acid/acrylic acid copolymer, sodium salt | Liquid | 40 | 70 000 | 8 | | 1.30 | 2000 | PE |
| Sokalan® CP 5 Granules‡ | Maleic acid/acrylic acid copolymer, sodium salt | Granules | 92 | 70 000 | 8 | 580 | | | PE |
| Sokalan® CP 9‡ | Maleic acid/olefin copolymer, sodium salt | Liquid | 25 | 12 000 | 11** | | 1.10 | 50 | PB |
| Sokalan® CP 10‡ | Polyacrylic acid modified, sodium salt | Liquid | 45 | 4 000 | 8.5** | | 1.30 | 500 | PB |
| Sokalan® CP 10 S | Polyacrylic acid, modified | Liquid | 50 | 4 000 | 2 | | 1.16 | 150 | PB |
| Sokalan® CP 12 S | Maleic acid/acrylic acid copolymer | Liquid | 50 | 3 000 | 1.5 | | 1.23 | 130 | MB |
| Sokalan® CP 50 | Polycarboxylate, sodium salt | Liquid | approx. 40 | | 5 | | 1.2 | 350 | PB |
| Sokalan® PA 15 | Polyacrylic acid, sodium salt | Liquid | 45 | 1 200 | 7 | | 1.31 | 250 | MB |
| Sokalan® PA 25 CL Granules‡ | Polyacrylic acid, sodium salt | Granules | 92 | 5 500 | 8 | 600 | | | MB |
| Sokalan® PA 25 CL PN* | Polyacrylic acid, sodium salt, partially neutralized | Liquid | 49 | 5 500 | 3.5 | | 1.25 | 600 | MB |
| Sokalan® PA 30 CL‡ | Polyacrylic acid, sodium salt | Liquid | 45 | 8 000 | 8 | | 1.34 | 1000 | MB |
| Sokalan® PA 30 CL PN Granules*‡ | Polyacrylic acid, sodium salt, partially neutralized | Granules | 93 | 8 000 | 4 | 620 | | | MB |

**Note:**
* = partially neutralized; ** = undiluted, DIN 19268
‡ = Food and Nonfood use EPA Inert Ingredients



### Polyethyleneimines

| Product | Chemical Nature | Physical Form | Active Matter [%] | Molecular weight | pH [1% in dist. Water] | Density [g/cm³] | Viscosity (mPa·S) | Charge density (meq/g TS) | Biodegradability Level |
|---|---|---|---|---|---|---|---|---|---|
| Lupasol® FG | Polyethyleneimine | Liquid | 99 | 800 | 11 | 1.02 | ~1500 | 16 | PB |
| Lupasol® G 20† | Polyethyleneimine | Liquid | 50 | 1,300 | 11 | 1.08 | ~1500 | 16 | PB |
| Lupasol® G 20 Waterfree† | Polyethyleneimine | Liquid | 99 | 1,300 | 11 | 1.03 | ~8000 | 16 | PB |
| Lupasol® G 100† | Polyethyleneimine | Liquid | 50 | 5,000 | 11 | 1.08 | ~1100 | 16 | PB |
| Lupasol® HF | Polyethyleneimine | Liquid | 56 | 25,000 | 11 | 1.08 | ~11000 | 17 | PB |
| Lupasol® P† | Polyethyleneimine | Liquid | 50 | 750,000 | 11 | 1.09 | ~25000 | 17 | MB |
| Lupasol® PR 8515† | Polyethyleneimine | Liquid | 99 | 2,000 | 11* | 1.05 | ~14000 | 16 | PB |
| Lupasol® PS† | Polyethyleneimine | Liquid | 33 | 750,000 | 11** | 1.08 | ~1700 | 17 | PB |
| Lupasol® SK† | Modified Polyethyleneimine | Liquid | 24 | 2,000,000 | 7* | 1.06 | ~475 | 8 | PB |
| Lupasol® WF† | Polyethyleneimine | Liquid | 99 | 25,000 | 11 | 1.10 | >200000 | 17 | PB |

**Note:**
* = pH [10% in dist. Water]; ** = pH [as is]; † = Nonfood use EPA Inert Ingredients

### Special Polymers

| Product | Chemical Nature | Physical Form | Active Matter [%] | Molar mass [g/mol] | pH [10% in dist. Water] | Bulk Density [g/L] | Density [g/cm³] | Viscosity [mPa·s] | % Biobased Carbon | Biodegradability Level |
|---|---|---|---|---|---|---|---|---|---|---|
| Polyquart® PN 60 | Polyethyleneimine, modified | Liquid | 40 | | 4 | | 1.13 | 500 | | PE |
| Polyquart® PRO A (US)† | Acrylic copolymer, sodium salt | Liquid | 22 | | 6.5** | | 1.03 | 250 | | MB |
| Sokalan® HP 20 | Multifunctional polyethyleneimine | Liquid | 80 | | 10* | | 1.12 (25 °C) | 850 (25 °C) | | MB |
| Sokalan® HP 56 Granules | Vinylpyrrolidone/ Vinylimidazole copolymer, modified | Granules | 95 | 70 000 | 8 | 450 | | | | PB |
| Sokalan® HP 56 K | Vinylpyrrolidone/ Vinylimidazole copolymer, modified | Liquid | 30 | 70 000 | 8 | | 1.07 | 300 | | PB |
| Sokalan® HP 66 K | Vinylpyrrolidone/ Vinylimidazole copolymer, modified | Liquid | 41 | | 8 | | 1.10 | 2000 | | PB |
| Sokalan® HP 96 | Quaternated Hexa-methylene diamine, ethoxylated | Liquid | 70 | | 9.5 | | 1.13 | 350 | | PB |
| Sokalan® HP 165‡ | Polyvinylpyrrolidone | Liquid | 30 | | 3–7 | | | | | MB |
| Sokalan® K 17 P‡ | Polyvinylpyrrolidone | Powder | 98 | 9 000 | 4 | 450 | | | | PB |
| Sokalan® K 90 P‡ | | Powder | 98 | 14 000 | 7 | 450 | | | | PB |

| Product | Chemical Nature | Physical Form | Active Matter [%] | Molar mass [g/mol] | pH [10% in dist. Water] | Bulk Density [g/L] | Density [g/cm³] | Viscosity [mPa·s] | % Biobased Carbon | Biodegradability Level |
|---|---|---|---|---|---|---|---|---|---|---|
| Sokalan® HP 30 Booster | Multifunctional polyethyleneimine | Liquid | 99 | | 10-11 (*5% in distilled water) | | | 1000-1500 | | PE |
| Polyquart® S Granules | Amphoteric modified starch | Granules | 97 | | 7 | 650 | | | ask for details | RB |
| Euperlan® Eco | Starch/styrene/ methacrylic acid copolymer | Liquid | 40 | 2** (as-is) | 5.1 | | | 150 | ask for details | MB |
| BVERDE® GP 790 L | Anionically modified hydrolyzed starch | Liquid | 40 | | 5.4 | | 1.21 | max 100 | 79 | RB |

**Note:**

* = pH 1% in dist. Water; ** = undiluted, DIN 19268; † = Nonfood use EPA Inert Ingredients; ‡ = Food and Nonfood use EPA Inert Ingredients

## Thickeners

| Product | Chemical Nature | Physical Form | Active Matter [%] | pH | Bulk Density [g/L] | Density [g/cm³] | Viscosity [mPa·s] | Biodegradability Level |
|---|---|---|---|---|---|---|---|---|
| Rheovis® AT 120† | Methacrylic acid/acrylic acid ester copolymer, modified | Dispersion | 30 | 3 | | 1.05 | 30 | PE |
| Rheovis® CDE PRO† | Polyacrylate, cationically modified | Dispersion | 50 | 3.5** | | 1.00 | 150 | PE |
| Rheovis® FRC† | | Dispersion | 55 | 3.5** | | 1.05 | 3000 | PE |
| Rheovis® TTA† | Acrylic copolymer, modified | Dispersion | 30 | 2** | | 1.07 | 10** | PB |

** = undiluted, DIN 19268

all Polymer data are to be seen as approximately values

**Note:**

† = Nonfood use EPA Inert Ingredients



We create chemistry

## Disclaimer

This document, or any answers or information provided herein by BASF, does not constitute a legally binding obligation of BASF. While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. It does not relieve our customers from the obligation to perform a full inspection of the products upon delivery or any other obligation.

No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth, or that the products, designs, data or information may be used without infringing the intellectual property rights of others. in no case shall the descriptions, information, data or designs provided be considered a part of our terms and conditions of sale.

## Safety

We know of no ill effects that could have resulted from using our products for the purpose for which they are intended and from processing them in accordance with current practice. According to the experience we have gained up to now and other information at our disposal, our products do not exert any harmful effects on health, provided that they are used properly, due attention is given to the precautions necessary for handling chemicals, and the information and advice given in our safety data sheet are observed.

## Labeling

Details about the classification and labeling of our products and further advice on safe handling are contained in the current safety data sheets.

® = Registered trademark of BASF in many countries
TM = Trademark of BASF

BASF CORPORATION
07932 Florham Park, NJ
USA
Phone: 1 973 245 6000
Fax: 1 973 245 6002
Email: detergents-cleaners-na@basf.com