

Safety data sheet
ACCORDING TO COMMISSION REGULATION (EU) 2020/878
amending Annex II to Regulation (EC) No 1907/2006

Printing date 02.03.2023

Version number 2.0 (replaces version 1.0)

Revision: 02.03.2023

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** Mole Fettlöser Power Reiniger
- **UFI:** HQ4Y-NK6H-YQ3D-370C
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture:**
Fat/ Grease solvent
Cleaning material/ Detergent
- **Uses advised against:** No further relevant information available.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Global Cosmed Group S.A.
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Nr statystyczny REGON - 390339667
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Osterbekstraße 90 a
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info@globalcosmed.de
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- **1.4 Emergency telephone number:** +48 76 870 30 31 (Mo. to Fr. 8:00 - 16:00) or 112

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.

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Hazard pictograms


GHS05

Signal word *Danger*
Hazard-determining components of labelling:

ETHANOLAMINE (2-aminoethanol)

Quaternary ammonium compounds, C12-14-alkyl(hydroxyethyl)dimethyl, ethoxylated, chlorides

Hazard statements

H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P280 Wear protective gloves / eye protection / face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

2.3 Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures
Description: Mixture: consisting of the following components.

Dangerous components:

CAS: 141-43-5 EINECS: 205-483-3 Index number: 603-030-00-8 Reg.nr.: 01-2119486455-28	ETHANOLAMINE (2-aminoethanol) ⚠ Skin Corr. 1B, H314; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332 Specific concentration limit: STOT SE 3; H335: C ≥ 5 %	≥1-<5%
CAS: 68515-73-1 NLP: 500-220-1 Reg.nr.: 01-2119488530-36	DECYL GLUCOSIDE (D-Glucopyranose, oligomeric, decyl octyl glycosides) ⚠ Eye Dam. 1, H318 Specific concentration limit: Eye Dam. 1; H318: C ≥ 10 %	≥1-<5%
CAS: 1554325-20-0 EC number: 810-152-7	Quaternary ammonium compounds, C12-14-alkyl(hydroxyethyl)dimethyl, ethoxylated, chlorides ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315	≥1-<3%

Regulation (EC) No 648/2004 on detergents / Labelling for contents

non-ionic surfactants, cationic surfactants	<5%
perfumes	

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Additional information: For the wording of the listed hazard phrases refer to section 16.**SECTION 4: First aid measures****4.1 Description of first aid measures****After inhalation:** In case of unconsciousness place patient stably in side position for transportation.**After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

Rinse with warm water.

After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.**After swallowing:** If symptoms persist consult doctor.**4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.**4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing agents:**

Use fire extinguishing methods suitable to surrounding conditions.

Water spray

5.2 Special hazards arising from the substance or mixture No further relevant information available.**5.3 Advice for firefighters****Protective equipment:** No special measures required.**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Avoid skin and eye contact.

Slipping hazard due to leaking product.

6.2 Environmental precautions:

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Use neutralising agent.

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

No special measures required.

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Keep away from frost and heat.

· **Information about fire - and explosion protection:** No special measures required.

· **7.2 Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:**

Keep container tightly sealed.

Store and transport uprightly.

· **Storage class:** 12

· **7.3 Specific end use(s)**

The product is a cleaning product for household use. Observe the warnings and instructions on the packaging.

SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

141-43-5 ETHANOLAMINE (2-aminoethanol) (≥1-<5%)

IOELV	Short-term value: 7.6 mg/m ³ , 3 ppm
	Long-term value: 2.5 mg/m ³ , 1 ppm
	Skin

· **DNELs**

141-43-5 ETHANOLAMINE (2-aminoethanol)

Oral	DNEL - long-term, oral, systemic effect	3.75 mg/kg (consumer)
Dermal	DNEL - long-term, dermal, systemic effect	1 mg/kg (worker)
		0.24 mg/kg (consumer)
Inhalative	DNEL - long-term, inhaled, local effect	3.3 mg/m ³ (worker)
		2 mg/m ³ (consumer)

68515-73-1 DECYL GLUCOSIDE (D-Glucopyranose, oligomeric, decyl octyl glycosides)

Oral	DNEL - long-term, oral, systemic effect	35.7 mg/kg (consumer)
Dermal	DNEL - long-term, dermal, systemic effect	595,000 mg/kg (worker)
		357,000 mg/kg (consumer)
Inhalative	DNEL - long-term, inhaled, systemic effect	420 mg/m ³ (worker)
		124 mg/m ³ (consumer)

5131-66-8 PROPYLENE GLYCOL BUTYL ETHER (1-butoxypropan-2-ol)

Oral	DNEL - long-term, oral, systemic effect	8.75 mg/kg (consumer)
Dermal	DNEL - long-term, dermal, systemic effect	44 mg/kg (worker)
		16 mg/kg (consumer)
Inhalative	DNEL - long-term, inhaled, systemic effect	270.5 mg/m ³ (worker)
		33.8 mg/m ³ (consumer)

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· PNECs
141-43-5 ETHANOLAMINE (2-aminoethanol)

PNEC water (fresh water)	85 µg/l
PNEC water (marine water)	8.5 µg/l
PNEC sediment (fresh water)	0.434 mg/kg
PNEC sediment (marine water)	0.0434 mg/kg
PNEC (soil)	0.0367 mg/kg
PNEC (sewage plant)	100 mg/l

6815-73-1 DECYL GLUCOSIDE (D-Glucopyranose, oligomeric, decyl octyl glycosides)

PNEC water (fresh water)	176 µg/l
PNEC water (marine water)	17.6 µg/l
PNEC water (intermittent)	270 µg/l
PNEC sediment (fresh water)	1.516 mg/kg
PNEC sediment (marine water)	0.152 mg/kg
PNEC (soil)	0.654 mg/kg
PNEC (sewage plant)	560 mg/l

5131-66-8 PROPYLENE GLYCOL BUTYL ETHER (1-butoxypropan-2-ol)

PNEC water (fresh water)	525 µg/l
PNEC water (marine water)	52.5 µg/l
PNEC water (intermittent)	5,250 µg/l
PNEC sediment (fresh water)	2.36 mg/kg
PNEC sediment (marine water)	0.236 mg/kg
PNEC (soil)	16 mg/kg
PNEC (sewage plant)	10 mg/l

· **Additional information:** The lists valid during the making were used as basis.

· 8.2 Exposure controls

- **Appropriate engineering controls** No further relevant information available.
- **Individual protection measures, such as personal protective equipment**
- **Respiratory protection:** Not required.
- **Hand protection**



Protective gloves

Due to missing tests, it is not possible to give exact information about the glove material for the product. Recommended is therefore:

Only use chemical-protective gloves with CE-labelling of category III.

· Material of gloves

Recommended for contact with the product are protective gloves of chemical protection category III made of special nitrile (material thickness > 0.1 mm). Protective gloves should be tested for workplace specific suitability (e.g. mechanical and thermal resistance, antistatic, etc.). For first signs of wear, the protective gloves must be replaced immediately.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the

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application.

· **Penetration time of glove material**

Penetration time > 480 minutes recommended. Named penetration times can be significantly shorter in practice.

· **Eye/face protection**



Tightly sealed goggles

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

· **Environmental exposure controls**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Physical state**

Fluid

· **Colour:**

Colourless

· **Odour:**

Fruit-like

· **Odour threshold:**

Not determined.

· **Melting point/freezing point:**

Undetermined.

· **Boiling point or initial boiling point and boiling range**

~100 °C (7732-18-5 water)

· **Flammability**

Not applicable.

· **Lower and upper explosion limit**

· **Lower:**

Not determined.

· **Upper:**

Not determined.

· **Flash point:**

Aqueous preparation. No flashpoint up to 100 °C.

· **Decomposition temperature:**

Not determined.

· **pH at 20 °C**

<11.5

· **Viscosity:**

· **Kinematic viscosity**

Not determined.

· **Dynamic at 20 °C:**

<150 mPas

· **Solubility**

· **water:**

Fully miscible.

· **Partition coefficient n-octanol/water (log value)**

Not determined.

· **Vapour pressure at 20 °C:**

~23 hPa (7732-18-5 water)

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- **Density and/or relative density**
- **Density at 20 °C:** 1.025-1.035 g/cm³
- **Relative density** Not determined.
- **Vapour density** Not determined.

· **9.2 Other information**

- **Appearance:**
- **Form:** Fluid
- **Important information on protection of health and environment, and on safety.**
- **Ignition temperature:** Product is not selfigniting.
- **Explosive properties:** Product does not present an explosion hazard.
- **Solvent content:**
- **Organic solvents:** 1.5 %
- **Water:** ≥94.5 %
- **Change in condition**
- **Evaporation rate** Not determined.

· **Information with regard to physical hazard classes**

- **Explosives** Void
- **Flammable gases** Void
- **Aerosols** Void
- **Oxidising gases** Void
- **Gases under pressure** Void
- **Flammable liquids** Void
- **Flammable solids** Void
- **Self-reactive substances and mixtures** Void
- **Pyrophoric liquids** Void
- **Pyrophoric solids** Void
- **Self-heating substances and mixtures** Void
- **Substances and mixtures, which emit flammable gases in contact with water** Void
- **Oxidising liquids** Void
- **Oxidising solids** Void
- **Organic peroxides** Void
- **Corrosive to metals** Void
- **Desensitised explosives** Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability** Product is stable.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** Keep away from frost and heat.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

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SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values relevant for classification:**

ATE (Acute Toxicity Estimates)

Oral	LD50	>20,215-≤67,105 mg/kg (rat)
Inhalative	LC50/4 h	741 mg/l

141-43-5 ETHANOLAMINE (2-aminoethanol)

Oral	LD50	1,515 mg/kg (rat)
Dermal	LD50	2,504 mg/kg (rabbit)

68515-73-1 DECYL GLUCOSIDE (D-Glucopyranose, oligomeric, decyl octyl glycosides)

Oral	LD50	>5,000 mg/kg (rat) (OECD TG 401)
Dermal	LD50	>2,000 mg/kg (rabbit) (OECD TG 402)

1554325-20-0 Quaternary ammonium compounds, C12-14-alkyl(hydroxyethyl)dimethyl, ethoxylated, chlorides

Oral	LD50	>300-2,000 mg/kg (rat)
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5131-66-8 PROPYLENE GLYCOL BUTYL ETHER (1-butoxypropan-2-ol)

Oral	LD50	3,300 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat) 3,100 mg/kg (rabbit)

- **Skin corrosion/irritation** Causes skin irritation.
- **Serious eye damage/irritation**
Causes serious eye damage.

68515-73-1 DECYL GLUCOSIDE (D-Glucopyranose, oligomeric, decyl octyl glycosides)

BCOP	1.6 IVIS (Bovine) (OECD TG 437)
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- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

141-43-5 ETHANOLAMINE (2-aminoethanol)

Toxicity (fish): LC50	170 mg/l, 96 h (Carassius auratus)
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Toxicity (Daphnia): EC50 Toxicity (Algae): EC50	150 mg/l, 96 h (Oncorhynchus mykiss) 65 mg/l, 48 h (Daphnia magna) 2.5 mg/l, 72 h (Selenastrum capricornutum) 15 mg/l, 72 h (Scenedesmus subspicatus)
68515-73-1 DECYL GLUCOSIDE (D-Glucopyranose, oligomeric, decyl octyl glycosides)	
Toxicity (fish): LC50 Toxicity chronic (fish): NOEC Toxicity (Daphnia): EC50 Toxicity chronic (Daphnia): NOEC Toxicity (Algae): EC50	>100 mg/l, 96 h (Brachydanio rerio) >1-10 mg/l, 28 d (Brachydanio rerio) >100 mg/l, 48 h (Daphnia magna) >1-10 mg/l, 22 d (Daphnia magna) >10-100 mg/l, 72 h (Scenedesmus subspicatus)
1554325-20-0 Quaternary ammonium compounds, C12-14-alkyl(hydroxyethyl)dimethyl, ethoxylated, chlorides	
Toxicity (fish): LC50 Toxicity (Daphnia): EC50 Toxicity (Algae): EC50	>10-100 mg/l, 96 h >1-10 mg/l, 48 h (Daphnia magna) >1-10 mg/l, 72 h
5131-66-8 PROPYLENE GLYCOL BUTYL ETHER (1-butoxypropan-2-ol)	
Toxicity (fish): LC50 Toxicity (Daphnia): EC50	>1,000 mg/l, 96 h (Pseudokirchneriella subcapitata) >1,000 mg/l, 48 h (Daphnia magna)

· **12.2 Persistence and degradability**

No information for the product available. The contained surfactants are readily biodegradable.

141-43-5 ETHANOLAMINE (2-aminoethanol)	
Readily biodegradable	>90 % (OECD TG 301 F)
68515-73-1 DECYL GLUCOSIDE (D-Glucopyranose, oligomeric, decyl octyl glycosides)	
Readily biodegradable	>60 % (28 d) (OECD TG 301 B)
1554325-20-0 Quaternary ammonium compounds, C12-14-alkyl(hydroxyethyl)dimethyl, ethoxylated, chlorides	
Readily biodegradable	% (OECD TG 301 D)
5131-66-8 PROPYLENE GLYCOL BUTYL ETHER (1-butoxypropan-2-ol)	
Readily biodegradable	90 % (28 d) (OECD TG 301 E)

· **12.3 Bioaccumulative potential** No further relevant information available.

· **12.4 Mobility in soil** No further relevant information available.

· **12.5 Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

· **12.7 Other adverse effects**

· **Additional ecological information:**

· **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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Must not reach sewage water or drainage ditch undiluted or unneutralised.
 Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
 Empty the container thoroughly.
 Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.
- **Waste disposal key:**
 20 01 29
 15 01 10
- **Uncleaned packaging:**
- **Recommendation:**
 Non contaminated packagings may be recycled.
 Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

SECTION 14: Transport information

- | | |
|---|-----------------|
| · 14.1 UN number or ID number
· ADR, IMDG, IATA | Void |
| · 14.2 UN proper shipping name
· ADR, IMDG, IATA | Void |
| · 14.3 Transport hazard class(es)
· ADR, ADN, IMDG, IATA
· Class | Void |
| · 14.4 Packing group
· ADR, IMDG, IATA | Void |
| · 14.5 Environmental hazards: | Not applicable. |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Maritime transport in bulk according to IMO instruments | Not applicable. |
| · UN "Model Regulation": | Void |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.

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· **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **REGULATION (EC) No 1005/2009 on substances that deplete the ozone layer – ANNEX I (Ozone-depleting potential)**

· **Information about limitation of use:** Employment restrictions concerning juveniles must be observed.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information given in the Material Safety Data Sheet only apply to the described product in connection with its appropriate utilization. These particulars are based on our present knowledge. In particular, the information derive the purpose of describing our product under the aspect of hazards caused by such product and pertaining safety actions. The information does not constitute any guarantee of product quality and/or quality features.

· **Relevant phrases**

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H332 Harmful if inhaled.

· **Training hints**

When manufacturing and distributing the product: information and instruction in handling, safety and hygiene.

When transporting the product: information and instruction in ADR.

· **Classification according to Regulation (EC) No 1272/2008**

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

· **Department issuing SDS:** Regulatory Affairs

· **Contact:**

reg@globalcosmed.eu

sekretariat.jawor@globalcosmed.eu

· **Date of previous version:** 25.07.2022

· **Version number of previous version:** 1.0

· **Abbreviations and acronyms:**

ADN: Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure

MARPOL: International Convention for the Prevention of Marine Pollution from Ships (marine pollution)

IBC: Intermediate Bulk Container

IMO: International Maritime Organisation

ECHA: European Chemicals Agency

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*IVIS: In Vitro Irritancy Score**CLP regulation: "Classification, Labelling and Packaging" regulation, regulation (EC) Nr. 1272/2008**REACH (regulation): "Registration, Evaluation, Authorisation and Restriction of Chemicals" regulation, regulation (EC) Nr. 1907/2006**CE: Conformité Européenne (European Conformity)**Reg. no.: Registration number**ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)**IMDG: International Maritime Code for Dangerous Goods**IATA: International Air Transport Association**GHS: Globally Harmonised System of Classification and Labelling of Chemicals**EINECS: European Inventory of Existing Commercial Chemical Substances**ELINCS: European List of Notified Chemical Substances**CAS: Chemical Abstracts Service (division of the American Chemical Society)**DNEL: Derived No-Effect Level (REACH)**PNEC: Predicted No-Effect Concentration (REACH)**LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent**PBT: Persistent, Bioaccumulative and Toxic**vPvB: very Persistent and very Bioaccumulative**EC50: Effective concentration, 50 percent**WEL: Workplace Exposure Limits**NOAEL (NOAEC): No observed adverse effect level (concentration)**NOEL (NOEC): No observed effect level (concentration)**NLP: No-Longer-Polymer**OECD: Organisation for Economic Co-operation and Development**TG: Test Guideline**BCOP: Bovine Corneal Opacity and Permeability**Acute Tox. 4: Acute toxicity – Category 4**Skin Corr. 1B: Skin corrosion/irritation – Category 1B**Skin Irrit. 2: Skin corrosion/irritation – Category 2**Eye Dam. 1: Serious eye damage/eye irritation – Category 1*** Data compared to the previous version altered.*