

Planoclean detergent concentrated

Revision date 2024-10-25

Version 2

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

1.1 Product identifier	Planoclean detergent concentrated
Product number	287044
UFI	-
1.2 Relevant identified uses of the substance or mixture and uses advised against	Detergent (Concentrate)
1.3 Details of the supplier of the safety data sheet	Nyli Metrology AB
Address	Brunnemyrsvägen 5 451 55 UDDEVALLA, SWEDEN
Telephone	+46(0)522-646 646
Homepage	www.nyli.se
1.4 Emergency telephone number	For poison information call, NHS 111 (England), NHS 24 (Scotland) or NHS Direct (Wales), in emergencies call 999.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification CLP (1272/2008/EC)

Serious eye damage/eye irritation, Hazard Category 1; H318

2.2 Label elements:

Pictogram



Signal Word: Danger

Contents

Alcohols, C9-11, ethoxylated, Decylphosphoric ester, potassium salt

Hazard statement Code(s)

H318 Causes serious eye damage.

Precautionary statements

P280 Wear protective gloves/eye protection.

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 or doctor/physician.

2.3 Other hazards

This product is not considered to contain any substances that meet the criteria for classification as PBT or vPvB substances.

Does not contain an endocrine disruptor (EDC).

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components	CAS-no EG-no Reg-no	Conc. %	Hazard Class and Category Code(s)	Hazard statement Code(s)*
Dimethoxypropanol DPM	34590-94-8 252-104-2 01-2119450011-60	1 - 10	-	-
Alcohols, C9-11, ethoxylated	68439-46-3 614-482-0	3 - <7	Acute Tox. 4 Eye Dam. 1	H302 H318
Potassium carbonate	584-08-7 209-529-3 01-2119532646-36	1 - 5	Skin Irrit. 2 Eye Irrit. 2 STOT SE 3	H315 H319 H335
Decylphosphoric ester, potassium salt	68427-37-7 270-390-7	1 - <3	Eye Dam. 1	H318
Phosphoric acid 85% Index: 015-011-00-6	7664-38-2 231-633-2 01-2119485924-24	0,01 - 0,1	Met. Corr. 1 Acute Tox. 4 Skin Corr. 1B	H290 H302 H314
Bronopol (INN) Index: 603-085-00-8	52-51-7 200-143-0	0,01 - 0,05	Acute Tox. 4 Acute Tox. 4 Skin Irrit. 2 Eye Dam. 1 STOT SE 3 Aquatic Acute 1 M=10	H302 H312 H315 H318 H335 H400

* The full text of Hazard statement Codes are listed under section 16.

** SCL = Specific concentration limits

Eye Irrit. 2; H319: 10 % ≤ C <25%

Skin Corr. 1B; H314: C ≥ 25%

Skin Irrit. 2; H315: 10 % ≤ C <25%

Ingredients not listed are classified as non-hazardous or at a concentration below reportable levels.

The classification is based on information from the chemical supplier and <http://echa.europa.eu/> (Databases)

SECTION 4: First aid measures

4.1 Description of first aid measures:

General Information

In all cases of doubt, or when symptoms persist, seek medical advice.

Never give fluids or induce vomiting if patient is unconscious.

Keep person warm and calm.

Inhalation

Fresh air.

Skin contact

Wash with soap and water and rinse the skin thoroughly.

Eye contact

Important! Rinse immediately with water for at least 15 minutes. Hold eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Go to hospital or eye specialist. If possible, continue to rinse during transport.

Ingestion

Rinse mouth with water and drink several glasses of water or milk. Get medical attention.

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SECTION 4: First aid measures (...)

4.2 Most important symptoms and effects, both acute and delayed:

Inhalation:	Might be slightly irritating if inhaled.
Skin contact:	Prolonged contact may affect the skin's protective barrier. Contains substances that can easily be absorbed through the skin
Eye contact:	Give severe pain and irritation. May severely injure the eyes.
Ingestion:	May cause nausea and stomach pain.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Water spray, foam, dry powder or carbon dioxide.

Do not use a strong waterjet, as this may spread the fire.

5.2 Special hazards arising from the substance or mixture

In the event of heating/fire, smoke gases harmful to health can be formed. Avoid inhalation of fire gas.

5.3 Advice for firefighters

Wear a self-contained breathing apparatus and protective clothing.

Additional information

Containers in the vicinity of fire should be cooled with water and removed from fire if this can be done without risk.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

Avoid contact with eyes.

6.2 Environmental precautions

Do not flush into surface water or sanitary sewer system.

6.3 Methods and material for containment and cleaning up

Re-use product if possible. Small quantities may be wiped up with a cloth. Contain larger spill with inert material.

Absorb in vermiculite, dry sand or earth. Flush with water.

6.4 Reference to other sections

For handling and storage, see section 7.

For personal protection, see section 8.

For disposal of spillage, see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use personal protective equipment.

Avoid contact with eyes. Provide eyewash station.

Normal precautions taken when handling chemicals should be observed.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed container.

7.3 Specific end use(s)

-

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters:

Appropriate engineering controls

Provide adequate ventilation.

Provide eyewash station.

Exposure limits:

Swedish limit values (AFS 2023:14)

Substance	CAS-No	Level limit value	Short time value	Note
Dimethoxypropanol DPM	34590-94-8	50 ppm 300 mg/m ³	75 ppm 450 mg/m ³	H, V
Phosphoric acid	7664-38-2	- 1 mg/m ³	- 2 mg/m ³	-

Explanation of note

H = The substance can easily be absorbed through the skin

V = Indicative short-term limit,

British limit values (EH40/2005 Workplace exposure limits)

Substance	CAS number	Long-term exposure limit	Short-term exposure limit	Comments
Dimethoxypropanol DPM	34590-94-8	50 ppm 308 mg/m ³	- -	Sk
Phosphoric acid	7664-38-2	- 1 mg/m ³	- 2 mg/m ³	-

Sk: Can be absorbed through the skin.

DNEL

Dimethoxypropanol DPM (34590-94-8)	Long-term exposure - Workers Systemic effects, dermal: 283 mg/kg body weight/day Long-term exposure - Workers Systemic effects, inhalation: 308 mg/m ³ Long-term exposure - Consumers Systemic effects, dermal: 121 mg/kg body weight/day Long-term exposure - Consumers Systemic effects, inhalation: 37.2 mg/m ³ Long-term exposure - Consumers Systemic effects, oral: 36 mg/kg body weight/day
Potassium carbonate (584-08-7)	Long-term exposure - Workers Local effects, inhalation: 10 mg/m ³ Long-term exposure - Consumers Local effects, inhalation: 10 mg/m ³
Phosphoric acid (7664-38-2)	Long-term exposure - Workers Local effects, inhalation: 2.92 mg/m ³ Long-term exposure - Workers Systemic effects, inhalation: 1 mg/m ³ Long-term exposure - Consumers Local effects, inhalation: 0.73 mg/m ³ Short-term exposure - Workers Local effects, inhalation: 2 mg/m ³

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SECTION 8: Exposure controls/personal protection (...)

PNEC

Dimethoxypropanol DPM (34590-94-8)	19 mg/l	Freshwater
Dimethoxypropanol DPM (34590-94-8)	1.9 mg/l	Seawater
Dimethoxypropanol DPM (34590-94-8)	190 mg/l	Intermittent release
Dimethoxypropanol DPM (34590-94-8)	70.2 mg/kg	Sediment (Freshwater)
Dimethoxypropanol DPM (34590-94-8)	7.02 mg/kg	Sediment (Seawater)
Dimethoxypropanol DPM (34590-94-8)	2.74 mg/kg	Soil
Dimethoxypropanol DPM (34590-94-8)	4168 mg/l	Sewage Treatment Plant

8.2 Exposure controls:

General protective and hygiene measures

Wash hands before breaks and after work.

Avoid contact with eyes.

Handle in accordance with good industrial hygiene and safety practice.

Individual protection measures, such as personal protective equipment:

Always consult a competent person/supplier when selecting personal protective equipment.

Respiratory protection

Normally not required.

Hand protection

Use chemical resistant gloves made of rubber or PVC.

When selection gloves, several parameters must be taken into account, usage, handling time, breakthrough time.etc

Eye protection

Wear tightly fitting protective goggles.

Clothing requirements:

Wear suitable protective clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Clear slightly green
Odour	Not determined
Melting point/freezing point (°C):	Not determined
Boiling point or initial boiling point and boiling range	Not determined
Flammability	Not determined
Lower and upper explosion limit	Not determined
Flash point (°C):	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
pH	10,0 ± 0,2
Kinematic viscosity	Not determined
Solubility	Soluble in water.
Partition coefficient n-octanol/water (log value)	Not determined
Vapour pressure	Not determined
Density and/or relative density	1,028 g/ml
Relative vapour density	Not determined
Particle characteristics	Not relevant. The product is a liquid.

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SECTION 9: Physical and chemical properties (...)

9.2 Other information

No further information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage and handling conditions.

10.2 Chemical stability

Stable under recommended storage and handling conditions.

10.3 Possibility of hazardous reactions

No known.

10.4 Conditions to avoid

No known.

10.5 Incompatible materials

No known.

10.6 Hazardous decomposition products

No known under recommended storage and handling conditions.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

See section 4. (Most important symptoms and effects, both acute and delayed)

Irritating/corrosive properties

Causes serious eye damage.

Acute toxicity

Not classified as acutely toxic according to CLP.

Toxicology data

Information about this preparation is not available.

Toxicology data for the containing components:

Alcohols, C9-11, ethoxylated (68439-46-3)	LD ₅₀ Oral: >300 - ≤2000 mg/kg LD ₅₀ Dermal: >2000 - ≤5000 mg/kg
Dimethoxypropanol DPM (34590-94-8)	LD ₅₀ Oral rat: 8740 mg/kg LC ₅₀ Inhalation rat: 3404.47 mg/l LD ₅₀ Dermal rabbit: 9510 mg/kg
Potassium carbonate (584-08-7)	LD ₅₀ Oral rat, male and female: >2000 mg/kg OECD 401 LC ₅₀ Inhalation rat, male and female 4.5h: >4.96 mg/l LD ₅₀ Dermal rabbit, male and female: >2000 mg/kg NOEL Maternal animal Oral rat: 180 mg/kg bw/day OECD 414 NOEL Teratogenic Oral rat: 180 mg/kg bw/day OECD 414 NOEL Embryo fetus Oral rat: 180 mg/kg bw/day OECD 414 NOEL Maternal animal Oral mouse: 290 mg/kg bw/day OECD 414 NOAEL Oral rat, male 18 months: 2667 mg/kg bw/day NOAEL Oral rat, female 18 months: 3331 mg/kg bw/day NOAEC Oral rat, male and female 6h: 0.062 mg/l bw/day OECD 412 Estimated acute toxicity Acute oral toxicity: 2000.01 mg/kg Acute dermal toxicity: 2000.01 mg/kg

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SECTION 11: Toxicological information (...)

Decylphosphoric ester, potassium salt (68427-37-7)	LD ₅₀ Oral rat: >2000 - 5000 mg/kg
Phosphoric acid (7664-38-2)	LD ₅₀ Oral rat: 301.0 mg/kg LD ₅₀ Dermal rabbit: 2750 mg/kg NOAEL Oral rat: >500 mg/l OECD 422 NOAEL Oral rat: >410 mg/l OECD 422
Bronopol (INN) (52-51-7)	LD ₅₀ Oral rat: >200 mg/kg LD ₅₀ Dermal rat: >2000 mg/kg LC ₅₀ Inhalation rat 4h (aerosol): >0.12 mg/l

STOT-single exposure -repeated exposure

No known.

Routes of exposure

Eyes and skin, inhalation. (Ingestion)

Allergenic potential

The product is not classified as allergenic by inhalation or skin contact.

Carcinogenicity, mutagenicity and toxicity for reproduction

This product is not classified as carcinogen, mutagen and toxic for reproduction.

Aspiration hazard

No

11.2 Information on other hazards

Does not contain an endocrine disruptor (EDC).

SECTION 12: Ecological information

This product is not classified as dangerous for the environment.

Do not flush into surface water or sanitary sewer system.

12.1 Toxicity

Information about this preparation is not available.

Toxicology data for the containing components:

Alcohols, C9-11, ethoxylated (68439-46-3)	LL/EL/IL ₅₀ Fish: >1 - ≤10 mg/l LL/EL/IL ₅₀ Daphnia: >1 - ≤10 mg/l LC/EC/IC ₅₀ Algae: >1 - ≤10 mg/l NOEC/NOEL Fish: >1.0 - ≤10 mg/l NOEC/NOEL Daphnia: >1.0 - ≤10 mg/l LC/EC/IC ₅₀ Bacteria: >100 mg/l
Dimethoxypropanol DPM (34590-94-8)	LC ₅₀ Fish 96h: >1000 mg/l Species: Poecilia reticulata EC ₅₀ Daphnia 48h: 1919 mg/l Species: Daphnia magna EC ₅₀ Algae 72h: 6999 mg/l Species: Scenedesmus subspicatus EC ₁₀ Algae 75h: >969 mg/l Species: Selenastrum capricornutum NOEC Daphnia 21d: 0.5 mg/l Species: Daphnia magna
Potassium carbonate (584-08-7)	LC ₅₀ Fish 96h: 68 mg/l Species: Onocorhynchus mykiss NOEC Fish 96h: 33 mg/l Species: Onocorhynchus mykiss EC ₅₀ Daphnia 48h: >200 mg/l Species: Daphnia magna NOEC Daphnia 48h: 120 mg/l Species: Daphnia magna
Decylphosphoric ester, potassium salt (68427-37-7)	LC ₅₀ Fish 96h: >100 mg/l Species: Onocorhynchus mykiss OECD 203 EC ₅₀ Daphnia 48h: >10 - 100 mg/l Species: Daphnia magna OECD 202

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SECTION 12: Ecological information

Phosphoric acid (7664-38-2)	LC ₅₀ Fish 96h: 3 - 3.25 mg/l Species: Lepomis macrochirus EC ₅₀ Daphnia 48h: >100 mg/l Species: Daphnia magna OECD 202 ErC ₅₀ Algae 72h: >100 mg/l Species: Desmodesmus subspicatus OECD 201 NOEC 72h: 100 mg/l Species: Desmodesmus subspicatus (Short-term toxicity - embryo and sac fry stages)
Bronopol (INN) (52-51-7)	LC ₅₀ Fish 96h: 41.2 mg/l Species: Oncorhynchus mykiss IC ₅₀ Algae 72h: 0.4 - 2.8 mg/l EC ₅₀ Daphnia 48h: 1.4 mg/l EC ₅₀ Bacteria: >50 mg/l

12.2 Persistens och nedbrytbarhet

Alcohols, C9-11, ethoxylated (68439-46-3) - Readily biodegradable.

Dimethoxypropanol DPM (34590-94-8) - Readily biodegradable. 75% in 28 days

Potassium carbonate (584-08-7) - not applicable to inorganic substances.

Decylphosphoric ester, potassium salt (68427-37-7) - Readily biodegradable. OECD TG 301 B

Bronopol (INN) (52-51-7) - Readily biodegradable.

12.3 Bioackumuleringsförmåga

Not suspected to bioaccumulate - Alcohols, C9-11, ethoxylated (68439-46-3)

Does not bioaccumulate. Log Pow: 1,01 - Dimethoxypropanol DPM (34590-94-8) Log Pow 1.01

Does not bioaccumulate. - Potassium carbonate (584-08-7)

Not suspected to bioaccumulate - Decylphosphoric ester, potassium salt (68427-37-7)

Log pow: -2 - Phosphoric acid (7664-38-2)

Low bioaccumulation potential. Log Kow: 0.18 - Bronopol (INN) (52-51-7)

12.4 Mobility in soil

Soluble in water.

12.5 Results of PBT and vPvB assessment

This product is not considered to contain any substances that meet the criteria for classification as PBT or vPvB substances.

12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC).

12.7 Other adverse effects

No known.

SECTION 13: Disposal considerations

13.1 Waste treatment methods:

Dispose of in accordance with local authority requirements. Do not empty into drain.

Not classified as hazardous waste.

Suggested EWC code: Depends on line of business and use. for example:

20 01 30 detergents other than those mentioned in 20 01 29.

Disposal of Packaging:

Empty and cleaned packaging can be recycled.

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SECTION 14: Transport information

The product is not classified as dangerous goods according to ADR/RID, IMDG, IATA-DGR.

14.1 UN number or ID number

-

14.2 UN proper shipping name

-

14.3 Transport hazard class(es)

-

14.4 Packing group

-

14.5 Environmental hazards

Marine pollutant: No

14.6 Special precautions for user

-

14.7 Maritime transport in bulk according to IMO instruments

-

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Classification according to Regulation (EC) No. 1907/2006 annex II and EC/2020/878. EH40/2005.

(EU) REACH Annex XVII

None listed.

(EU) Candidate list of SVHC substances

None listed.

(EU) REACH Annex XIV

None listed.

15.2 Chemical safety assessment

No conducted.

SECTION 16: Other information

The full text of Hazard statement Codes listed under section 3

H290 May be corrosive to metals.

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.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

The user of this product must decide if the information in this safety data sheet is sufficient for which the product will be used.

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Safety data sheet according to Regulation (EC) No. 1907/2006 annex II and EC/2020/878.

Previous versions

Version 1: 2022-03-17

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SECTION 16: Other information (...)

Sources

Safety data sheet provided by the manufacturer.

CLP-regulation, www.kemi.se, EH40/2005. www.echa.europa.eu (Databases)

Abbreviations explanations

ADR: International Carriage of Dangerous Goods by Road

BCF: Bio Concentration Factor

CAS-nr: Chemical Abstracts Service number

EC₅₀: Effect Concentration

EG-nr: A substance number i EINECS, ELINCS or in No-Longer Polymers List.

IMDG: International Maritime Dangerous Goods Code.

LC₅₀: Lethal Concentration

LD₅₀: Lethal Dose

IC₅₀: Median Inhibition Concentration

NOEC: No Observed Effect Concentration

PBT-substance: Persistent, Bio accumulative and Toxic substances.

vPvB-substance: Very persistent and Very Bio accumulative substances.