Deepio Professional Degreaser powder

Safety Data Sheet

according to Regulation (EU) 2015/830

Date of issue: 06/03/2017 Revision date: : Version: 1.0

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

1.1. Product identifier

Product form : Mixture

Trade name : Deepio Professional Degreaser powder

Product code : PA00210347 / 91298849

Product group : Trade product

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Main use category : Professional use

Function or use category : Washing and cleaning products (including solvent based products)

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Procter & Gamble UK Brooklands, Weybridge, Surrey, KT13 0XP, UK

Tel: 01932 896000 Fax: 01932 896200

Professional: customerservice@pgprof.com

1.4. Emergency telephone number

Emergency number : (UK) Emergency Tel: 0800 328 8304(IRL) Emergency Tel: 1800 509 497

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Eye Irrit. 2 H319

Full text of hazard classes and H-statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :

Signal word (CLP) : Warning

Hazard statements (CLP) : H319 - Causes serious eye irritation

Precautionary statements (CLP) : P101 - If medical advice is needed, have product container or label at hand
P102 - Keep out of reach of children
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337+P313 - If eye irritation persists: Get medical advice/attention
P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell

2.3. Other hazards

Other hazards not contributing to the classification : No presence of PBT and vPvB ingredients.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Sodium Carbonate	(CAS No) 497-19-8 (EC No) 207-838-8 (EC Index No) 011-005-00-2 (REACH-no) 01-2119485498-19	10 - 20	Eye Irrit. 2, H319
Sodium Dodecylbenzenesulfonate	(CAS No) 68411-30-3 (EC No) 270-115-0 (REACH-no) 01-2119489428-22	10 - 20	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
Sodium Silicate	(CAS No) 1344-09-8 (EC No) 215-687-4 (REACH-no) 01-2119448725-31	5 - 10	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335
Sodium Laureth Sulfate	(CAS No) 125301-92-0	1 - 5	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
C14-15 Pareth-7	(CAS No) 68951-67-7 (EC No) polymer	< 1	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 3, H412

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

First-aid measures after skin contact : IF ON SKIN: Wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing. If skin irritation occurs: Get immediate medical advice/attention. Discontinue use of product.

First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

First-aid measures after ingestion : IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

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

Symptoms/effects after inhalation : Coughing. sneezing.

Symptoms/effects after skin contact : Redness. Swelling. dryness. Itching.

Symptoms/effects after eye contact : Severe pain. Redness. Swelling. Blurred vision.

Symptoms/effects after ingestion : Oral mucosal or gastro-intestinal irritation. Nausea. Vomiting. Excessive secretion. Diarrhea.

4.3. Indication of any immediate medical attention and special treatment needed

Refer to section 4.1.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).

5.2. Special hazards arising from the substance or mixture

Fire hazard : No fire hazard. Non combustible.

Explosion hazard : Product is not explosive.

Reactivity : No dangerous reactions known.

5.3. Advice for firefighters

Firefighting instructions : No specific firefighting instructions required.

Protection during firefighting : In case of inadequate ventilation wear respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Wear suitable gloves and eye/face protection.

6.1.2. For emergency responders

Protective equipment : Wear suitable gloves and eye/face protection.

6.2. Environmental precautions

Consumer products ending up down the drain after use. Prevent soil and water pollution. Prevent spreading in sewers.

6.3. Methods and material for containment and cleaning up

For containment	:	Scoop solid spill into closing containers.
Methods for cleaning up	:	Small quantities of solid spill: wash down with water. Large spills: scoop solid spill into closing containers. This material and its container must be disposed of in a safe way, and as per local legislation.
Other information	:	Avoid contact with skin, eyes and clothing.

6.4. Reference to other sections

Refer to Sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	:	Avoid contact with eyes. Use personal protective equipment as required. Avoid raising dust. Do not eat, drink or smoke when using this product. Do not handle until all safety precautions have been read and understood.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	:	Store in original container. Refer to section 10.
Incompatible products	:	Refer to section 10.
Incompatible materials	:	Refer to section 10.
Prohibitions on mixed storage	:	Not applicable.
Storage area	:	Store in a cool area. Store in a dry area. Store away from heat.

7.3. Specific end use(s)

Cleaning/washing agents and additives.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. National limit values

No additional information available

8.1.2. Monitoring procedures: DNELS, PNECS, OEL

Sodium Carbonate (497-19-8)	
DNEL/DMEL (Workers)	
Long-term - local effects, inhalation	10 mg/m³
DNEL/DMEL (General population)	
Acute - local effects, inhalation	10 mg/m³

Sodium Dodecylbenzenesulfonate (68411-30-3)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	85 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	6 mg/m³
Long-term - local effects, inhalation	6 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	0.425 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	1.5 mg/m³
Long-term - systemic effects, dermal	42.5 mg/kg bodyweight/day
Long-term - local effects, inhalation	3 mg/m³
PNEC (Water)	
PNEC aqua (freshwater)	0.268 mg/l
PNEC aqua (marine water)	0.027 mg/l
PNEC aqua (intermittent, freshwater)	0.017 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	8.1 mg/kg dwt
PNEC sediment (marine water)	6.8 mg/kg dwt
PNEC (Soil)	
PNEC soil	35 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	3.43 mg/l

Sodium Silicate (1344-09-8)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	1.59 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	5.61 mg/m³

Sodium Silicate (1344-09-8)	
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	0.8 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	1.38 mg/m³
Long-term - systemic effects, dermal	0.8 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	7.5 mg/l
PNEC aqua (marine water)	1 mg/l
PNEC aqua (intermittent, freshwater)	7.5 mg/l
PNEC (STP)	
PNEC sewage treatment plant	348 mg/l

8.2. Exposure controls

8.2.1. Appropriate engineering controls : Not applicable.

8.2.2. Personal protective equipment

Protective personal equipment only required in case of professional use or for large packs (not for household packs). For consumer use please follow recommendation as indicated on the label of the product.

Hand protection : Not applicable.

Eye protection : Wear eye/face protection.

Skin and body protection : Not applicable.

Respiratory protection : Not applicable.

8.2.3. Environmental exposure controls

Prevent that the undiluted product reaches surface waters.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Property	Value	Unit	Test method/Notes
Appearance	Solid.		
Physical state	Solid		
Colour	White with coloured speckles.		
Odour	pleasant (perfume).		
Odour threshold		ppm	Perceived odor at typical use conditions
pH	9.5 - 11.4		OECD 122
Melting point		°C	Not available. This property is not relevant for the safety and classification of this product
Freezing point			Not available. This property is not relevant for the safety and classification of this product
Boiling point			Not applicable. This property is not relevant for solid product forms.
Flash point			Not applicable. This property is not relevant for solid product forms.
Relative evaporation rate (butylacetate=1)			Not applicable. This property is not relevant for solid product forms.
Flammability (solid, gas)			The product is not flammable- UN.N.1
Explosive limits			Not available. This property is not relevant for the safety and classification of this product
Vapour pressure			Not applicable. This property is not relevant for solid product forms.
Relative density	0.6 - 0.9		TMR.A.3
Solubility	Soluble in water. TMR. A.6.		
Log Pow			Not applicable. This property is not relevant for mixtures

Property	Value	Unit	Test method/Notes
Auto-ignition temperature			Not available. This property is not relevant for the safety and classification of this product
Decomposition temperature			Not available. This property is not relevant for the safety and classification of this product
Viscosity			Not applicable. This property is not relevant for solid product forms.
Explosive properties	Not applicable. This product is not classified as explosive as it does not contain any substances which possesses explosive properties CLP (Art 14 (2)).		
Oxidising properties	Product is not an oxidizer -UN.O.1.		

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Refer to section 10.1 on Reactivity.

10.4. Conditions to avoid

Not required for normal conditions of use.

10.5. Incompatible materials

Not applicable.

10.6. Hazardous decomposition products

None under normal use.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

11.1.1. Mixture

Deepio Professional Degreaser powder	
Acute toxicity	Not classified (*)
Skin corrosion/irritation	Not classified (*)
Serious eye damage/irritation	Causes serious eye irritation.
Respiratory or skin sensitisation	Not classified (*)
Germ cell mutagenicity	Not classified (*)
Carcinogenicity	Not classified (*)
Reproductive toxicity	Not classified (*)
Specific target organ toxicity (single exposure)	Not classified (*)
Specific target organ toxicity (repeated exposure)	Not classified (*)
Aspiration hazard	Not classified (*)

(*) Based upon available data of the substances and/or the product, product classification criteria are not met. See Section 2 and Section 16 for applicable hazard classification and classification procedure, respectively.

11.1.2. Substances in the mixture

Acute toxicity:

Sodium Carbonate (497-19-8)	
LD50 oral rat	2800 mg/kg bw
LD50 dermal rabbit	> 2000 mg/kg bw (US EPA 16 CFR 1500.40)

Sodium Dodecylbenzenesulfonate (68411-30-3)	
LD50 oral rat	1080 mg/kg bw (OECD 401)
LD50 dermal rat	> 2000 mg/kg bw (OECD 402)

Sodium Silicate (1344-09-8)	
LD50 oral rat	3400 mg/kg bw (OECD 401)
LD50 dermal rat	> 5000 mg/kg bw

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : No known adverse effects on the functioning of water treatment plants under normal use conditions as recommended. The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Sodium Carbonate (497-19-8)	
LC50 fishes 1	300 mg/l Lepomis macrochirus; 96 h
EC50 Daphnia 1	200 mg/l Ceriodaphnia sp.; 48 h

Sodium Dodecylbenzenesulfonate (68411-30-3)	
LC50 fishes 1	1.67 mg/l US EPA 850.1075; Lepomis macrochirus; 96 h
EC50 Daphnia 1	2.9 mg/l OECD 202; Daphnia magna; 48 h
ErC50 (algae)	127.9 mg/l 88/302/EWG; Desmodesmus subspicatus; 72 h
NOEC chronic fish	0.23 mg/l Oncorhynchus mykiss; 72 d
NOEC chronic crustacea	0.5 mg/l Ceriodaphnia sp.; 7 d
NOEC chronic algae	2.4 mg/l 88/302/EWG; Desmodesmus subspicatus; 3 d

Sodium Silicate (1344-09-8)	
LC50 fishes 1	1108 mg/l OECD 203, Brachydanio rerio,
EC50 Daphnia 1	1700 mg/l Daphnia magna
EC50 other aquatic organisms 1	> 348 mg/l Pseudomonas putida
ErC50 (algae)	207 mg/l Scenedesmus subspicatus

C14-15 Pareth-7 (68951-67-7)	
LC50 fishes 1	1 mg/l
EC50 Daphnia 1	1 mg/l
ErC50 (algae)	1 mg/l

12.2. Persistence and degradability

Sodium Dodecylbenzenesulfonate (68411-30-3)	
Persistence and degradability	Biodegradable.
Biodegradation	85 % CO2; OECD 301 B

12.3. Bioaccumulative potential

Sodium Carbonate (497-19-8)	
Bioaccumulative potential	Not measured.

Sodium Dodecylbenzenesulfonate (68411-30-3)	
BCF fish 1	2 - 1000 l/kg
Log Pow	14
Bioaccumulative potential	Not expected to bioaccumulate due to the low log Kow (log Kow < 4).

Sodium Silicate (1344-09-8)	
Bioaccumulative potential	Not measured.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Deepio Professional Degreaser powder	
Results of PBT assessment	No presence of PBT and vPvB ingredients

Component	
Sodium Carbonate (497-19-8)	PBT: not relevant – no registration required vPvB: not relevant – no registration required
Sodium Dodecylbenzenesulfonate (68411-30-3)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Sodium Silicate (1344-09-8)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

Other information : No other effects known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

13.1.1. Regional legislation (waste) : Disposal must be done according to official regulations.

13.1.2 Disposal recommendations : The waste codes/waste designations below are in accordance with EWC. Waste must be delivered to an approved waste disposal company. The waste is to be kept separate from other types of waste until its disposal. Do not throw waste product into the sewer. Where possible recycling is preferred to disposal or incineration. . For handling waste, see measures described in section 7. Empty, uncleaned packaging need the same disposal considerations as filled packaging.

13.1.3 EURAL Waste code product : 20 01 29* - detergents containing dangerous substances
15 01 10* - packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

14.1. UN number

Not applicable

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

SECTION 15: Regulatory information

Ingredient label : 15-30% Anionic surfactants; <5% Non-ionic surfactants, Phosphonates, Polycarboxylates, Zeolites; Optical brighteners.

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

CESIO recommendations : The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Other information, restriction and prohibition regulations : Regulation (EC) No. 648/2004 of 31 March 2004 on detergents. Classification according to Regulation (EC) No. 1272/2008 [CLP]. Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

16.1. Indication of changes

Indication of changes : Not applicable

16.2. Abbreviations and acronyms

LC50: Lethal Concentration to 50 % of a test population. LD50: Lethal Dose to 50% of a test population (Median Lethal Dose). PBT: Persistent, Bioaccumulative and Toxic substance. PNEC(s): Predicted No Effect Concentration(s). vPvB: Very Persistent and Very Bioaccumulative. AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways. ATE: Acute Toxicity Estimate. OEL: Occupational Exposure Limit. ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. DNEL: Derived-No Effect Level.

16.3. Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

Classification according to Regulation (EC) No. 1272/2008 [CLP]	classification procedure
Eye Irrit. 2	Expert judgment Weight of evidence

16.4. Relevant R-phrases and/or H-statements (number and full text) for mixture and substances

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — AcuteHazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H302	Harmful if swallowed
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
H412	Harmful to aquatic life with long lasting effects.

16.5. Training advice

Normal use of this product shall imply use in accordance with the instructions on the packaging.

16.6. Further information

Salts listed in Section 3 without a REACh Registration number are exempt, based on Annex V

SDS P&G CLP

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product