our safety data sheet for...

Destainer Powder

DELPHIS eco PROFESSIONAL CLEANING

1. Identification of the substance/mixture & of the company/undertaking

1.1 Product Identifier

Product Name:	Destainer Powder
Product Code:	DSTP010
Type of product:	Detergent

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, consumer use
Use of the substance/mixture:	Cleaning/washing agents and additives
Function or use category:	Cleaning/washing agents and additives

1.3 Details of the supplier of the safety data sheet

Company:	Delphis Eco Ltd, The Leather Market, Lefone House unit 202, 11-13 Weston Street, London SE1 3ER

1.4 Emergency telephone number

Emergency phone number:	t. 0203 397 0096 (office hours only) e: sales@delphiseco.com

2. Hazards Identification

2.1 Classification of the substance or mixture

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

Oxidising Solids, Category 3:	H272
Acute toxicity (oral), Category 4:	H302
Skin corrosion/irritation, Category 1:	H314
Serious eye damage/eye irritation, Category 1:	H318

Full text of H- and EUH-statements: see section 16

2.2 Label elements

Contains: SODIUM PERCARBONATE; SODIUM METASILICATE PENTAHYDRATE

Hazard statements:
H272: May intensify fire; oxidiser
H302: Harmful if swallowed
H314: Causes severe skin burns and eye damage



Signal words: Danger

Hazard pictograms:
GHS03: Flammable
GHS05: Corrosion
GHS07: Exclamation mark

Precautionary statements:
P210 - Keep away from heat, hot surfaces, open flames, sparks. No smoking
P280 - Wear eye protection, protective gloves
P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with watershower
P305+P351+P338+P310 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor
P501 - Dispose of contents/container to an approved waste disposal plant.

2.3 Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII.
The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

3. Composition/Information on Ingredients

3.2 Mixtures

Ingredient Name	EINECS	CAS	CLP Classification	Percent
SODIUM CARBONATE REACH registered number(s): 01-2119485498-19	207-838-8	497-19-8	Eye Irrit. 2: H319	50-70%
SODIUM PERCARBONATE REACH registered number(s): 01-2119457268-30	239-707-6	15630-89-4	Ox. Sol. 3: H272; Acute Tox. 4: H302 Eye Dam. 1: H318	30-50%
SODIUM METASILICATE PENTAHYDRATE	229-912-9	10213-79-3	Skin Corr. 1A, H314 STOT SE 3, H335	1-5%

4. First Aid Measures

4.1 Description of first aid measures
Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Skin contact: Rinse skin with water/shower. Take off immediately all contaminated clothing.
Ingestion: Rinse mouth. Do not induce vomiting.
Inhalation: Remove person to fresh air and keep comfortable for breathing.

4.2 Most important symptoms and effects, both acute and delayed
Skin contact: Burns.
Eye contact: Serious damage to eyes.
Ingestion: Burns.

4.3 Indication of immediate medical attention and special treatment needed
Treat symptomatically.

5. Fire Fighting Measures

5.1 Extinguishing Media
Suitable extinguishing media: Water spray. Dry powder. Foam.

5.2 Special hazards arising from the substance or mixture
Fire hazard: May intensify fire; oxidiser.
Hazardous decomposition products in case of fire: Toxic fumes may be released.

5.3 Advice for fire fighters
Advice for fire-fighters: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures
6.1.1. For non-emergency personnel
Emergency procedures: Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray.

6.1.2. For emergency responders
Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: “Exposure controls/personal protection”.

6.2 Environmental precautions
Avoid release to the environment.

6.3 Methods and materials for containment and cleaning up
Methods for cleaning up: Mechanically recover the product. Notify authorities if product enters sewers or public waters.
Other information: Dispose of materials or solid residues at an authorized site

6.4 Reference to other sections
For further information refer to section 13.

7. Handling and Storage

7.1 Precautions for safe handling
Precautions for safe handling: Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray.
Hygiene measures: Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2 Conditions for safe storage, including any incompatibilities
Storage conditions: Store locked up. Store in a well-ventilated place. Keep cool.
Incompatible materials: combustible materials.

8. Exposure Controls/Personal Protection

8.1 Control parameters
No data available.

8.2 Exposure controls
8.2.1. Appropriate engineering controls
Appropriate engineering controls: Ensure good ventilation of the work station.

8.2.2. Personal protection equipment
Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection
Eye protection: Safety glasses

8.2.2.2. Skin protection
Skin and body protection: Wear suitable protective clothing
Hand protection: Protective gloves

8.2.2.3. Respiratory protection
Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards
No additional information available

8.2.3. Environmental exposure controls
Environmental exposure controls: Avoid release to the environment.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

State:	Solid
Colour:	White
Odour:	Slight
Flammability:	Non flammable
Solubility in water:	Soluble
pH:	1% - Solution 12.0

9.2 Other Information
Other information: No data available.

10. Stability and Reactivity

10.1 Reactivity
May cause or intensify fire; oxidiser.

10.2 Chemical Stability
Stable under normal conditions.

10.3 Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.

10.4 Conditions to Avoid
Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5 Incompatible materials
Combustible materials.

10.6 Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological Information

11.1 Information on toxicological effects

Acute toxicity (oral):	Harmful if swallowed
Acute toxicity (dermal):	Not classified
Acute toxicity (inhalation):	Not classified

ALKALINE DESTAIN POWDER - PHOSPHATE FREE

ATE CLP (oral)	1428.571 mg/kg bodyweight

SODIUM PERCARBONATE (15630-89-4)

LD50 oral rat	2050 mg/kg
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: other:
LD50 dermal	> 2000 mg/kg

SODIUM METASILICATE PENTAHYDRATE (10213-79-3)
LD50 oral rat 1280 mg/kg Source: HSNO CCID

SODIUM CARBONATE (497-19-8)
LD50 oral rat 4090 mg/kg
LD50 oral 6600 mg/kg
LD50 dermal rabbit > 2000 mg/kg bodyweight Animal: rabbit, Guideline: other:
LC50 Inhalation - Rat (Dust/Mist) 1.2 mg/l Source: SIDS

Skin corrosion/irritation: Causes severe skin burns.
pH: 12 1% Solution

SODIUM CARBONATE (497-19-8)
pH 7 Approximately
Serious eye damage/irritation: Causes serious eye damage.
pH: 12 1% Solution

SODIUM CARBONATE (497-19-8)
pH 7 Approximately
Respiratory or skin sensitisation: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive toxicity: Not classified
STOT-single exposure: Not classified

SODIUM METASILICATE PENTAHYDRATE (10213-79-3)
STOT-single exposure May cause respiratory irritation.
STOT-repeated exposure: Not classified
Aspiration hazard: Not classified

ALKALINE DESTAIN POWDER - PHOSPHATE FREE
Viscosity, kinematic Not applicable

12. Ecological Information

12.1 Toxicity
Ecology - general: Before neutralisation, the product may represent a danger to aquatic organisms.
Hazardous to the aquatic environment, short-term (acute): Not classified
Hazardous to the aquatic environment, long-term (chronic): Not classified

SODIUM PERCARBONATE (15630-89-4)
LC50 - Fish [1] 70.7 mg/l Source: EPA guideline, SIDS
EC50 - Crustacea [1] 4.9 mg/l Test organisms (species): Daphnia pulex
EC50 - Other aquatic organisms 4.9 mg/l
ErC50 algae > 7.7 mg/l Source: SIDS

SODIUM METASILICATE PENTAHYDRATE (10213-79-3)
LC50 - Fish [1] 6.7 mg/l Source: SIDS
EC50 - Crustacea [1] 5.8 mg/l Source: SIDS

SODIUM CARBONATE (497-19-8)
LC50 - Fish [1] 300 mg/l Test organisms (species): Lepomis macrochirus
EC50 - Crustacea [1] 200 – 227 mg/l Test organisms (species): Ceriodaphnia sp.
EC50 - Crustacea [2] 200 – 227 mg/l Test organisms (species): Ceriodaphnia sp.
EC50 - Other aquatic organisms 200 mg/l
EC50 96h - Algae [1] 242 mg/l Source: ECOTOX

12.2 Persistence and Degradability
Persistence and degradability: Not applicable.

12.3 Bio-accumulative potential
SODIUM CARBONATE (497-19-8)
Partition coefficient n-octanol/water (Log Pow) -6.19 Source: Quantitative Structure Activity Relation

12.4 Mobility in soil
No additional information available

12.5 Results of PBT and vPvB assessment
No additional information available

12.6 Endocrine disrupting properties
No additional information available

13. Disposal Recommendations

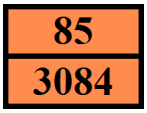
13.1 Waste treatment methods
Disposal operations: Dispose of contents/container in accordance with licensed collector's sorting instructions.

14. Transport Information

In accordance with:	ADR	IMDG
14.1. UN number or ID number:	UN 3084	UN 3084
14.2. UN proper shipping name:	CORROSIVE SOLID, OXIDIZING, N.O.S. (CONTAINS : SODIUM PERCARBONATE; SODIUM METASILICATE PENTAHYDRATE)	CORROSIVE SOLID, OXIDIZING, N.O.S. (CONTAINS : SODIUM PERCARBONATE; SODIUM METASILICATE PENTAHYDRATE)
Transport document description:	UN 3084 CORROSIVE SOLID, OXIDIZING, N.O.S. (CONTAINS : SODIUM PERCARBONATE; SODIUM METASILICATE PENTAHYDRATE), 8 (5.1), II, (E)	UN 3084 CORROSIVE SOLID, OXIDIZING, N.O.S. (CONTAINS : SODIUM PERCARBONATE; SODIUM METASILICATE PENTAHYDRATE), 8 (5.1), II
14.3. Transport hazard class(es)	8 (5.1) 	8 (5.1) 
14.4. Packing group:	II	II
14.5. Environmental hazards:	Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No

14.6. Special precautions for user

Overland transport

Classification code (ADR):	CO2
Special provisions (ADR):	274
Limited quantities (ADR):	1kg
Excepted quantities (ADR):	E2
Packing instructions (ADR):	P002, IBC06
Mixed packing provisions (ADR):	MP10
Portable tank and bulk container instructions (ADR):	T3
Portable tank and bulk container special provisions (ADR):	TP33
Tank code (ADR):	SGAN, L4BN
Vehicle for tank carriage:	AT
Transport category (ADR):	2
Special provisions for carriage - Packages (ADR):	V11
Special provisions for carriage - Loading, unloading and handling (ADR):	CV24
Hazard identification number (Kemler No.):	85
Orange plates:	
Tunnel restriction code (ADR):	E
EAC code:	2W

Transport by sea

Special provisions (IMDG):	274
Limited quantities (IMDG):	1 kg
Excepted quantities (IMDG):	E2
Packing instructions (IMDG):	P002
IBC packing instructions (IMDG):	IBC06
IBC special provisions (IMDG):	B21
Tank instructions (IMDG):	T3
Tank special provisions (IMDG):	TP33
EmS-No. (Fire):	F-A
EmS-No. (Spillage):	S-Q
Stowage category (IMDG):	C
Properties and observations (IMDG):	Causes burns to skin, eyes and mucous membranes

15. Regulatory Information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)	Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)
REACH Annex XIV (Authorisation List)	Contains no substance(s) listed on REACH Annex XIV (Authorisation List)
REACH Candidate List (SVHC)	Contains no substance(s) listed on the REACH Candidate List
PIC Regulation (Prior Informed Consent)	Contains no substance(s) listed on the PIC list (Regulation EU 649/2012

POP Regulation (Persistent Organic Pollutants)
Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)
Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Detergent Regulation (648/2004)

Explosives Precursors Regulation (2019/1148)
Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)
Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.2 Chemical safety assessment
No chemical safety assessment has been carried out

16. Other Information

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Full text of H- and EUH-statements:

Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
Ox. Sol. 3	Oxidising Solids, Category 3
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation

Training Advice: Normal use of this product shall imply use in accordance with the instructions on the packaging. Users should be trained in good industrial hygiene practise. This data sheet does not constitute an assessment of the workplace risks as required under the provisions of the Health & Safety at Work act and the Control of Substances Hazardous to Health (COSHH). Do not mix with other chemicals.

Date: 06.08.25

Legal Disclaimer: The information supplied above is based upon the present state of our knowledge of the product at the time of publication. It is given in good faith and no warranty is implied with respect to the specification or quality of the product. The user must satisfy himself that the product is entirely suitable for his purpose.

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