

#### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Issue date: 01/06/2016 Revision date: 19/08/2021 Supersedes version of: 16/07/2020 Version: 9.1

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

#### 1.1. Product identifier

Product form : Mixture

Product name : Heavy Duty Degreaser UFI : 0NW6-707S-800C-40X2

Product code : 25/00

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

#### 1.2.1. Relevant identified uses

Industrial/Professional use spec : For professional use only Use of the substance/mixture : Cleaning Product

1.2.2. Uses advised against

Restrictions on use : Anything other than intended use as listed on the label.

#### 1.3. Details of the supplier of the safety data sheet

Supplier Supplier

Greyland Ltd Greyland Europe Limited
Tameside Park Industrial Estate 13a Ballyhoy Avenue

Fifth Avenue Raheny
Dukinfield Dublin 5

 SK16 4PP
 Tel: +44 (0) 161 343 3830

 UK
 E-mail: sales@greyland.co.uk

Tel: +44 (0) 161 343 3830 Fax: +44 (0) 161 343 0608 Email: sales@greyland.co.uk

#### 1.4. Emergency telephone number

Emergency number : +44 (0) 161 343 3830

Monday - Friday (08:00 - 16:30)

#### **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

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

Skin corrosion/irritation, Category 1 H314
Serious eye damage/eye irritation, Category 1 H318

Full text of H statements : see section 16

#### Adverse physicochemical, human health and environmental effects

Causes severe skin burns and eye damage. Causes serious eye damage.

#### 2.2. Label elements

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

Hazard pictograms (CLP)

GHS05

Signal word (CLP) : Dan

Contains : disodium metasilicate; Alcohols c9-11, ethoxylated Hazard statements (CLP) : H314 - Causes severe skin burns and eye damage.

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Precautionary statements (CLP) : 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 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.

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P310 - Immediately call a POISON CENTER or doctor.

#### 2.3. Other hazards

No additional information available

#### **SECTION 3: Composition/information on ingredients**

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether	(CAS-No.) 112-34-5 (EC-No.) 203-961-6 (EC Index-No.) 603-096-00-8 (REACH-no) 01-2119475104-44	≥ 1 – < 10	Eye Irrit. 2, H319
2-butoxyethanol	(CAS-No.) 111-76-2 (EC-No.) 203-905-0 (EC Index-No.) 603-014-00-0	≥ 1 – < 10	Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Skin Irrit. 2, H315
disodium metasilicate	(CAS-No.) 6834-92-0 (EC-No.) 229-912-9 (EC Index-No.) 014-010-00-8	≥ 1 – < 10	Skin Corr. 1B, H314 STOT SE 3, H335
Sodium Xylenesulfonate	(CAS-No.) 1300-72-7 (EC-No.) 215-090-9 (REACH-no) 01-2119513350-56	≥ 1 – < 10	Eye Irrit. 2, H319
Alcohols c9-11, ethoxylated	(CAS-No.) 68439-46-3 (EC-No.) 614-482-0 (REACH-no) Exempt	≥ 1 – < 10	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318

Full text of H-statements: see section 16

#### **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

First-aid measures general : Call a physician immediately.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a

physician immediately.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy

to do. Continue rinsing. Call a physician immediately.

First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Call a physician immediately.

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

Symptoms/effects after skin contact : Burns

Symptoms/effects after eye contact : Serious damage to eyes.

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Symptoms/effects after ingestion : Burns.

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

Treat symptomatically.

#### **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

#### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

#### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained

breathing apparatus. Complete protective clothing.

#### **SECTION 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. 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 material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.

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.

#### **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not

breathe dust/fume/gas/mist/vapours/spray. Wear personal protective equipment.

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 products : Oxidizing agent. Strong bases. Strong acids.

Special rules on packaging : Keep only in original container. Store in a closed container.

#### 7.3. Specific end use(s)

No additional information available

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#### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether (112-34-5)		
EU - Occupational Exposure Limits		
Local name	2-(2-Butoxyethoxy)ethanol	
IOELV TWA (mg/m³)	67.5 mg/m³	
IOELV TWA (ppm)	10 ppm	
IOELV STEL (mg/m³)	101.2 mg/m³	
IOELV STEL (ppm)	15 ppm	
Regulatory reference	COMMISSION DIRECTIVE 2006/15/EC	
Ireland - Occupational Exposure Limits		
Local name	2-(2-Butoxyethoxy)ethanol	
OEL (8 hours ref) (mg/m³)	67.5 mg/m³	
OEL (8 hours ref) (ppm)	10 ppm	
OEL (15 min ref) (mg/m3)	101.2 mg/m³	
OEL (15 min ref) (ppm)	15 ppm	
Notes (IE)	IOELV (Indicative Occupational Exposure Limit Values)	
Regulatory reference	Chemical Agents Code of Practice 2020	
United Kingdom - Occupational Exposure Limits	United Kingdom - Occupational Exposure Limits	
Local name	2-(2-Butoxyethoxy)ethanol	
WEL TWA (mg/m³)	67.5 mg/m³	
WEL TWA (ppm)	10 ppm	
WEL STEL (mg/m³)	101.2 mg/m³	
WEL STEL (ppm)	15 ppm	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	

2-butoxyethanol (111-76-2)		
EU - Occupational Exposure Limits	EU - Occupational Exposure Limits	
Local name	2-Butoxyethanol	
IOELV TWA (mg/m³)	98 mg/m³	
IOELV TWA (ppm)	20 ppm	
IOELV STEL (mg/m³)	246 mg/m³	
IOELV STEL (ppm)	50 ppm	
Notes	Skin	
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC	
Ireland - Occupational Exposure Limits		
Local name	2-Butoxyethanol (EGBE) [Ethylene glycol monobutyl ether]	
OEL (8 hours ref) (mg/m³)	98 mg/m³	
OEL (8 hours ref) (ppm)	20 ppm	
OEL (15 min ref) (mg/m3)	246 mg/m³	
OEL (15 min ref) (ppm)	50 ppm	

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2-butoxyethanol (111-76-2)	
Notes (IE)	Sk (Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body), IOELV (Indicative Occupational Exposure Limit Values)
Regulatory reference	Chemical Agents Code of Practice 2020
United Kingdom - Occupational Exposure Limits	
Local name	2-Butoxyethanol
WEL TWA (mg/m³)	123 mg/m³
WEL TWA (ppm)	25 ppm
WEL STEL (mg/m³)	246 mg/m³
WEL STEL (ppm)	50 ppm
Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
United Kingdom - Biological limit values	
Local name	2-Butoxyethanol
United Kingdom (BEI)	240 mmol/mol Creatinine Parameter: butoxyacetic acid - Medium: urine - Sampling time: Post shift
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

#### 8.2. Exposure controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### Hand protection:

Chemical resistant gloves (according to European standard EN 374 or equivalent)

#### Eye protection:

Safety glasses. Use eye protection according to EN 166.

#### Skin and body protection:

If direct or repeated skin contact is likely, wear suitable protective clothing

#### Respiratory protection:

Not required under normal conditions of use.

### Personal protective equipment symbol(s):





#### **Environmental exposure controls:**

Avoid release to the environment.

#### Other information:

PPE should be worn to prevent any contact with the chemical.

Any contaminated clothing should be washed prior to re-use.

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#### **SECTION 9: Physical and chemical properties**

#### 9.1. Information on basic physical and chemical properties

Physical state : Liquid Colour : Colourless. Odour : Glycol ether. Odour threshold : No data available

рΗ : > 11.5

: No data available Relative evaporation rate (butylacetate=1) Melting point : Not applicable Freezing point : No data available Boiling point : No data available Flash point : No data available : No data available Auto-ignition temperature : No data available Decomposition temperature Flammability (solid, gas) : Not applicable : No data available Vapour pressure Relative vapour density at 20 °C : No data available : No data available Relative density Density : 1.06 - 1.08 Solubility : No data available Partition coefficient n-octanol/water (Log Pow) : No data available Viscosity, kinematic : No data available Viscosity, dynamic : No data available Explosive properties : No data available Oxidising properties : No data available

#### 9.2. Other information

**Explosive limits** 

No additional information available

#### **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 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

None under recommended storage and handling conditions (see section 7).

#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

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

: No data available

#### **SECTION 11: Toxicological information**

### 11.1. Information on toxicological effects

: Not classified Acute toxicity (oral) Acute toxicity (dermal) : Not classified

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Acute toxicity (inhalation) : Not classified

disodium metasilicate (6834-92-0)	
LD50 dermal rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: EPA OPPTS 870.1200 (Acute Dermal Toxicity)
LC50 inhalation rat (mg/l)	> 2.06 mg/l air Animal: rat, Guideline: EPA OPPTS 870.1300 (Acute inhalation toxicity)

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether (112-34-5)	
LD50 dermal rabbit	2764 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), 95% CL: 2090 - 3645

2-butoxyethanol (111-76-2)	
LD50 oral rat	1746 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1322 - 2301
LD50 oral	1414 mg/kg bodyweight Animal: guinea pig, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1020 - 1961
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)

Alcohols c9-11, ethoxylated (68439-46-3)	
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 inhalation rat (mg/l)	> 1.6 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)

Skin corrosion/irritation : Causes severe skin burns.

pH: > 11.5

Serious eye damage/irritation : Causes serious eye damage.

pH: > 11.5

Respiratory or skin sensitisation : Not classified Germ cell mutagenicity : Not classified Carcinogenicity : Not classified

Reproductive toxicity : Not classified

	the second secon	
disodium	metasilicate	(683 <b>4-</b> 92-N\
disoulaili	metasineate	(0004-32-0)

NOAEL (animal/female, F0/P) > 159 mg/kg bodyweight Animal: rat, Animal sex: female

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

#### disodium metasilicate (6834-92-0)

NOAEL (oral, rat, 90 days)

227 – 237 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

#### 2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether (112-34-5)

NOAEL (oral, rat, 90 days)	250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-
	Day Oral Toxicity in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity
	Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS
	870.3100 (90-Day Oral Toxicity in Rodents)

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2-butoxyethanol (111-76-2)	
,	> 150 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)

Alcohols c9-11, ethoxylated (68439-46-3)	
, , ,	≥ 500 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90- Day Oral Toxicity in Rodents)

Aspiration hazard : Not classified

### **SECTION 12: Ecological information**

#### 12.1. Toxicity

Ecology - general

Hazardous to the aquatic environment, short-term

: Not classified

Hazardous to the aquatic environment, long-term

(chronic)

: Not classified

disodium metasilicate (6834-92-0)	
EC50 Daphnia 1	1700 mg/l Test organisms (species): Daphnia magna
EC50 72h algae (1)	207 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

: Before neutralisation, the product may represent a danger to aquatic organisms.

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether (112-34-5)	
LC50 fish 1	1300 mg/l Test organisms (species): Lepomis macrochirus
EC50 Daphnia 1	> 100 mg/l Test organisms (species): Daphnia magna
EC50 96h algae (1)	> 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

2-butoxyethanol (111-76-2)		
LC50 fish 1	1474 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)	
EC50 Daphnia 1	≈ 1800 mg/l Test organisms (species): Daphnia magna	
EC50 72h algae (1)	911 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)	
EC50 72h algae (2)	1840 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)	
NOEC (chronic)	100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
NOEC chronic fish	> 100 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) Duration: '21 d'	

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

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#### 12.5. Results of PBT and vPvB assessment

No additional information available

#### 12.6. Other adverse effects

No additional information available

#### **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Waste treatment methods

Product/Packaging disposal recommendations

European List of Waste (LoW) code

- : Dispose of contents/container in accordance with licensed collector's sorting instructions.
- : Wash packaging with a suitable cleaner (water) before recycling. Otherwise dispose of as contaminated packaging. Always dispose of packaging in accordance with local regulations.
- : 15 01 10\* packaging containing residues of or contaminated by dangerous substances 20 01 29\* detergents containing dangerous substances

#### **SECTION 14: Transport information**

In accordance with ADR / RID / IMDG / IATA / ADN

IMDG	IATA	ADN	RID	
14.1. UN number				
UN 1760	UN 1760	UN 1760	UN 1760	
14.2. UN proper shipping name				
CORROSIVE LIQUID, N.O.S. (disodium metasilicate)	Corrosive liquid, n.o.s. (disodium metasilicate)	CORROSIVE LIQUID, N.O.S. (disodium metasilicate)	CORROSIVE LIQUID, N.O.S. (disodium metasilicate)	
ption				
UN 1760 CORROSIVE LIQUID, N.O.S. (disodium metasilicate), 8, III	UN 1760 Corrosive liquid, n.o.s. (disodium metasilicate), 8, III	UN 1760 CORROSIVE LIQUID, N.O.S. (disodium metasilicate), 8, III	UN 1760 CORROSIVE LIQUID, N.O.S. (disodium metasilicate), 8, III	
lass(es)				
8	8	8	8	
B B	8	8	8	
14.4. Packing group				
III	III	III	III	
ards				
Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No	
	UN 1760  g name  CORROSIVE LIQUID, N.O.S. (disodium metasilicate)  ption  UN 1760 CORROSIVE LIQUID, N.O.S. (disodium metasilicate), 8, III  lass(es)  8  III  ards  Dangerous for the environment: No	UN 1760 UN 1760 UN 1760 UN 1760 CORROSIVE LIQUID, N.O.S. (disodium metasilicate)  Ption  UN 1760 CORROSIVE LIQUID, N.O.S. (disodium metasilicate)  UN 1760 Corrosive liquid, n.o.s. (disodium metasilicate), 8, III  III  III  III  III  Dangerous for the environment: No  Dangerous for the environment: No	UN 1760 UN 1760 UN 1760 UN 1760 UN 1760 UN 1760 CORROSIVE LIQUID, N.O.S. (disodium metasilicate)  ption  UN 1760 CORROSIVE LIQUID, N.O.S. (disodium metasilicate)  UN 1760 CORROSIVE LIQUID, N.O.S. (disodium metasilicate), 8, III  UN 1760 CORROSIVE LIQUID, N.O.S. (disodium metasilicate), 8, III  III  III  III  III  III  III	

#### 14.6. Special precautions for user

#### **Overland transport**

Classification code (ADR) : C9
Special provisions (ADR) : 274
Limited quantities (ADR) : 0
Excepted quantities (ADR) : E0

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Packing instructions (ADR) : P001
Mixed packing provisions (ADR) : MP8, MP17
Portable tank and bulk container instructions (ADR) : T14
Portable tank and bulk container special provisions : TP2, TP27

(ADR)

Tank code (ADR) : L10BH
Vehicle for tank carriage : AT
Transport category (ADR) : 1
Special provisions for carriage - Operation (ADR) : S20
Hazard identification number (Kemler No.) : 88

Orange plates

88 1760

Tunnel restriction code (ADR) : E EAC code : 2X APP code : B

Transport by sea

Special provisions (IMDG) · 274 : P001 Packing instructions (IMDG) Tank instructions (IMDG) : T14 : TP2, TP27 Tank special provisions (IMDG) : F-A EmS-No. (Fire) : S-B EmS-No. (Spillage) Stowage category (IMDG) : B Stowage and handling (IMDG) : SW2

Properties and observations (IMDG) : Causes burns to skin, eyes and mucous membranes.

:

Air transport

PCA Excepted quantities (IATA) : E0 PCA Limited quantities (IATA) : Forbidden PCA limited quantity max net quantity (IATA) : Forbidden PCA packing instructions (IATA) : 850 : 0.5L PCA max net quantity (IATA) : 854 CAO packing instructions (IATA) : 2.5L CAO max net quantity (IATA) : A3, A803 Special provisions (IATA) ERG code (IATA) : 8L

Inland waterway transport

Classification code (ADN) : C9
Special provisions (ADN) : 274
Limited quantities (ADN) : 0
Excepted quantities (ADN) : E0
Equipment required (ADN) : PP, EP
Number of blue cones/lights (ADN) : 0

Rail transport

Classification code (RID) : C9
Special provisions (RID) : 274
Limited quantities (RID) : 0
Excepted quantities (RID) : E0
Packing instructions (RID) : P001
Mixed packing provisions (RID) : MP8, MP17
Portable tank and bulk container instructions (RID) : T14
Portable tank and bulk container special provisions : TP2, TP27

(RID)

Tank codes for RID tanks (RID) : L10BH Special provisions for RID tanks (RID) : TU38, TE22

Transport category (RID) : 1
Hazard identification number (RID) : 88

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

Not applicable

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#### **SECTION 15: Regulatory information**

#### 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

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

#### 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**

Abbreviations and acronyms:		
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	
BLV	Biological limit value	
CAS-No.	Chemical Abstract Service number	
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC50	Median effective concentration	
EC-No.	European Community number	
EN	European Standard	
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	
OEL	Occupational Exposure Limit	
PBT	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	

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vPvB	Very Persistent and Very Bioaccumulative
WGK	Water Hazard Class

Full text of H- and EUH-statements:		
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Skin Corr. 1B	Skin corrosion/irritation, Category 1B	
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.	
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.	
H332	Harmful if inhaled.	
H335	May cause respiratory irritation.	

#### SDS EU (REACH Annex II)

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.