



# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 7/25/2018 Revision date: 1/23/2019 Supersedes: 8/9/2018 Version: 1.2

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

1.1. Product identifier

Product form : Mixture

Product name : Zinc Chloride 1M in Diethyl Ether

CAS-No. : 7646-85-7
Product code : 90026299

#### 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

Industrial

Laboratory chemicals

#### 1.2.2. Uses advised against

No additional information available

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

Scafell Organics

Lingfield Way Yarm Road Business Park

DL1 4XX Darlington - UK

T +44 (0) 1949 823777

info@scafellorganics.com - www.scafellorganics.com

#### 1.4. Emergency telephone number

Emergency number : +44 7590 545705

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

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

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

Flammable liquids, Category 2

Acute toxicity (oral), Category 4

Acute toxicity (dermal), Category 4

Acute toxicity (inhalation:vapour) Category 4

H332

Skin corrosion/irritation, Category 1B

Specific target organ toxicity — Single exposure, Category 3, Narcosis

Hazardous to the aquatic environment — Chronic Hazard, Category 1

H410

Full text of 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)







GHS02

GHS05

GHS09

Signal word (CLP) : Danger

Hazardous ingredients : Diethyl Ether; ZINC CHLORIDE ANHYDROUS Hazard statements (CLP) : H225 - Highly flammable liquid and vapour.

H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled.

H314 - Causes severe skin burns and eye damage. H336 - May cause drowsiness or dizziness.

H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking.

P243 - Take action to prevent static discharges. P273 - Avoid release to the environment.

P280 - Wear protective clothing, eye protection, face protection. P308+P313 - IF exposed or concerned: Get medical advice.

# 2.3. Other hazards

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

EN (English) 1/9

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### **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]
Diethyl Ether	(CAS-No.) 60-29-7 (EC-No.) 200-467-2 (EC Index-No.) 603-022-00-4	85 - 90	Flam. Liq. 1, H224 Acute Tox. 4 (Oral), H302 STOT SE 3, H336
ZINC CHLORIDE ANHYDROUS	(CAS-No.) 7646-85-7 (EC-No.) 231-592-0 (EC Index-No.) 030-003-00-2	10 - 15	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Specific concentration limits:			
Name	Product identifier	Specific concentration limits	
ZINC CHLORIDE ANHYDROUS	(CAS-No.) 7646-85-7 (EC-No.) 231-592-0 (EC Index-No.) 030-003-00-2	(C >= 5) STOT SE 3, H335	

Full text of H-statements: see section 16

# **SECTION 4: First aid measures**

### 4.1. Description of first aid measures

First-aid measures general

First-aid measures after skin contact

: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical

advice (show the label where possible).

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Give oxygen or artificial respiration if necessary. Immediately call a POISON CENTER/doctor.

> : Take off immediately all contaminated clothing. Do not remove clothing if it sticks to the skin. Rinse skin with water/shower. Immediately call a POISON CENTER/doctor.

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

easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting, Immediately call a POISON CENTER/doctor.

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

Symptoms/effects : Causes severe skin burns and eye damage.

Symptoms/effects after inhalation : Material is destructive to tissue of the mucuous membranes and upper respiratory tract.

Cough, shortness of breath, headache, nausea.

Symptoms/effects after skin contact : Repeated exposure to this material can result in absorption through skin causing significant health hazard. May produce skin irritation, blistering, ulcers, and deep scarring.

Symptoms/effects after eye contact : Direct contact may result in corneal injury. redness, itching, tears. Permanent eye damage.

Swallowing a small quantity of this material will result in serious health hazard. Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. Abdominal pain,

nausea.

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

Get immediate medical advice/attention.

# **SECTION 5: Firefighting measures**

# 5.1. Extinguishing media

Symptoms/effects after ingestion

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

Unsuitable extinguishing media : Do not use a heavy water stream.

# 5.2. Special hazards arising from the substance or mixture

Fire hazard : Highly flammable liquid and vapour. Vapours may travel long distances along ground

before igniting/flashing back to vapour source.

**Explosion hazard** : May form flammable/explosive vapour-air mixture. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

Hazardous decomposition products in case of fire : Toxic and corrosive fumes are released.

# 5.3. Advice for firefighters

Precautionary measures fire : Keep container tightly closed and away from heat, sparks and flame. Keep cool. Protect

from sunlight. This product is not to be used under conditions of poor ventilation.

: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any Firefighting instructions chemical fire. Prevent fire fighting water from entering the environment. Eliminate all ignition sources if safe to do so. Fight fire remotely due to the risk of explosion. In case of

fire: stop leak if safe to do so. Evacuate area

7/25/2018 (Version: 1.0) EN (English) 2/9 1/23/2019 (Version: 1.2)

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

Other information : High temperature decomposition products are harmful by inhalation.

#### **SECTION 6: Accidental release measures**

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures Remove ignition sources. Use special care to avoid static electric charges. No open

flames. No smoking.

6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment. - Respiratory protection.

: Evacuate unnecessary personnel. Avoid contact with skin, eyes and clothing. Do not **Emergency procedures** breathe vapours. Do not touch or walk on the spilled product. Only qualified personnel

equipped with suitable protective equipment may intervene.

Measures in case of dust release : Prevent the creation of flammable or explosive concentrations of vapour in air and avoid

vapour concentrations higher than the occupational exposure limits. Ventilate area. Shelter

from vapours by keeping upwind.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection. Do not attempt to take action without suitable

protective equipment.

**Emergency procedures** : Ventilate area. Evacuate unnecessary personnel. All equipment used when handling the

product must be grounded. Stop leak if safe to do so.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Methods for cleaning up

Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

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

#### 7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.

Precautions for safe handling : Avoid contact with skin, eyes and clothing. Provide good ventilation in process area to prevent formation of vapour. Prevent the build-up of electrostatic charge. Use only non-

sparking tools. Keep away from sources of ignition - No smoking. Do not breathe vapours.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash

contaminated clothing before reuse.

### 7.2. Conditions for safe storage, including any incompatibilities

: Proper grounding procedures to avoid static electricity should be followed. Provide local Technical measures

exhaust or general room ventilation. Use explosion-proof electrical/ventilating/lighting

: Keep only in the original container in a cool, well ventilated place away from : Direct Storage conditions

sunlight, Heat sources. Keep container tightly closed.

Incompatible products : Strong oxidisers.

Incompatible materials : Sources of ignition. Direct sunlight. Heat sources.

: Store at ambient temperature. Keep in fireproof place. Storage area

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

No additional information available

#### **SECTION 8: Exposure controls/personal protection** 8.1. Control parameters

Diethyl Ether (60-29-7)		
United Kingdom	Local name	Diethyl ether
United Kingdom	WEL TWA (mg/m³)	310 mg/m³
United Kingdom	WEL TWA (ppm)	100 ppm
United Kingdom	WEL STEL (mg/m³)	620 mg/m³
United Kingdom	WEL STEL (ppm)	200 ppm
United Kingdom	Regulatory reference	EH40. HSE

7/25/2018 (Version: 1.0) 3/9 EN (English)

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

ZINC CHLORIDE ANHYDROUS (7646-85-7)		
United Kingdom	Local name	Zinc chloride
United Kingdom	WEL TWA (mg/m³)	1 mg/m³ fume
United Kingdom	WEL STEL (mg/m³)	2 mg/m³ fume
United Kingdom	Regulatory reference	EH40/2005 (Third edition, 2018). HSE

#### 8.2. Exposure controls

#### Appropriate engineering controls:

Avoid contact with eyes, skin and clothing. Ensure that there is a suitable ventilation system. Handle in accordance with good industrial hygiene and safety procedures. Prevent build-up of electrostatic charges (e.g, by grounding).

# Materials for protective clothing:

Use chemically protective clothing. Wear fire/flame resistant/retardant clothing.

#### Hand protection:

The protective gloves to be used must comply with the specifications of the regulation 2016/425 and the resultant standard EN 374. Always wash hands after handling the product

Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
	Viton® II	6 (> 480 minutes)	0.7mm minimum		EN 374
	Fluoroelastomer (FKM)	6 (> 480 minutes)	0.7mm minimum		EN 374

#### Eye protection:

Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure. Use eye protection according to EN 166, designed to protect against liquid splashes.

Туре	Use	Characteristics	Standard
Safety glasses, Face shield	Droplet, vapours	tightly fitting safety goggles, With side shields	EN 166

### Skin and body protection:

Emergency safety showers should be available in the immediate vicinity of any potential exposure. Keep suitable chemically resistant protective clothing readily available for emergency use

Туре	Standard
Total impervious protective suits, gloves, and boots must be worn to prevent any contact with the product	EN 14605

#### Respiratory protection:

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. Keep self contained breathing apparatus readily available for emergency use.

Device	Filter type	Condition	Standard
Respiratory protective device with a particle filter	ABEK	Vapour protection	EN 14387

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

Prevent entry to sewers and public waters. Avoid release to the environment. Avoid formation of vapours.

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

9.1. Information on basic physical and chemical properties

Physical state : Liquid Colour : Colourless. Odour : characteristic. Odour threshold : No data available : No data available pН Relative evaporation rate (butylacetate=1) : No data available Melting point : No data available Freezing point : No data available : No data available Boiling point Flash point : -21 °C

7/25/2018 (Version: 1.0) EN (English) 4/9

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 0.85 g/ml
Solubility	: soluble in 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
Explosive limits	: No data available

### 9.2. Other information

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 recommended handling and storage conditions (see section 7).

# 10.3. Possibility of hazardous reactions

Stable under normal conditions of use.

#### 10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

#### 10.5. Incompatible materials

Strong oxidizers.

#### 10.6. Hazardous decomposition products

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

# **SECTION 11: Toxicological information**

11.1 Information on	toxicological effects

Acute toxicity (oral) : Oral: Harmful if swallowed.

Acute toxicity (dermal) : Dermal: Harmful in contact with skin.

Acute toxicity (dermal) : Dermal: Harmful in contact with skin.

Acute toxicity (inhalation) : Inhalation:vapour: Harmful if inhaled.

ATE CLP (oral)	500 mg/kg bodyweight
ATE CLP (dermal)	1100 mg/kg bodyweight
ATE CLP (vapours)	11 mg/l/4h

Diethyl Ether (60-29-7)	
LD50 oral rat	1200 - 3560 mg/kg bodyweight
LC50 inhalation rat (ppm)	32000 ppm/4h

ZINC CHLORIDE ANHYDROUS (7646-85-7)		
LD50 oral rat	350 mg/kg	
LC50 inhalation rat (mg/l)	2000 mg/m³	
Skin corrosion/irritation	: Causes severe skin burns and eye damage.	
Serious eye damage/irritation	: Serious eye damage, category 1, implicit	
Respiratory or skin sensitisation	: Not classified	
Additional information	: Based on available data, the classification criteria are not met	
Germ cell mutagenicity	: Not classified	
Additional information	: Based on available data, the classification criteria are not met	
Carcinogenicity	: Not classified	
Additional information	: Based on available data, the classification criteria are not met	
Reproductive toxicity	: Not classified	

7/25/2018 (Version: 1.0) EN (English) 5/9 1/23/2019 (Version: 1.2)

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Additional information : Based on available data, the classification criteria are not met

STOT-single exposure : May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified

: Based on available data, the classification criteria are not met Additional information

Aspiration hazard : Not classified

: Based on available data, the classification criteria are not met Additional information

Potential adverse human health effects and : Harmful if swallowed. Harmful in contact with skin. Harmful if inhaled.

symptoms

# **SECTION 12: Ecological information**

12.1. Toxicity Ecology - water

: Very toxic to aquatic life with long lasting effects.

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

Diethyl Ether (60-29-7)	
LC50 fish 1	2560 mg/l 96hr Pimephales promelas (fathead minnow)
EC50 Daphnia 1	165 mg/l 24h
EC50 72h algae (1)	100 mg/l 72h
NOEC (chronic)	100 mg/l 21days

NC CHLORIDE ANHYDROUS (7646-85-7)	
LC50 fish 1	0.4 - 2.2 mg/l Cyprinus carpio (Carp)
EC50 Daphnia 1	0.2 mg/l
12.2. Persistence and degradability	
Zinc Chloride 1M in Diethyl Ether (7646-85-7)	
Persistence and degradability  May cause long-term adverse effects in the environment.	

Diethyl Ether (60-29-7)	
Persistence and degradability	Not biodegradable.

Z	ZINC CHLORIDE ANHYDROUS (7646-85-7)	
Р	Persistence and degradability  May cause long-term adverse effects in the environment.	
12	12.3. Bioaccumulative potential	
Zinc Chloride 1M in Diethyl Ether (7646-85-7)		
Bi	ioaccumulative potential	Not established.

Diethyl Ether (60-29-7)		
Log Pow	1.05 @20.C	
Bioaccumulative potential	Not potentially bioaccumulable.	

Bioaccumulative potential	Not potentially bioaccumulable.
ZINC CHLORIDE ANHYDROUS (7646-85-7)	

Bioaccumulative potential Not potentially bioaccumulable.

# 12.4. Mobility in soil

No additional information available

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

#### Zinc Chloride 1M in Diethyl Ether (7646-85-7)

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

Additional information : Avoid release to the environment.

7/25/2018 (Version: 1.0) EN (English) 6/9

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance

with local, regional, national and/or international regulation.

Additional information : Handle empty containers with care because residual vapours are flammable.

Ecology - waste materials : Avoid release to the environment.

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

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

In accordance with ADR / RID / IMDG / IATA / ADN				
ADR	IMDG	IATA	ADN	RID
14.1. UN number				
2924	2924	2924	2924	2924
14.2. UN proper shippin	g name			
FLAMMABLE LIQUID, CORROSIVE, N.O.S.	FLAMMABLE LIQUID, CORROSIVE, N.O.S.	Flammable liquid, corrosive, n.o.s.	FLAMMABLE LIQUID, CORROSIVE, N.O.S.	FLAMMABLE LIQUID, CORROSIVE, N.O.S.
ransport document descri	iption			
UN 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Zinc Chloride 1M in Diethyl Ether), 3 (8), I, (C/E), ENVIRONMENTALLY HAZARDOUS	UN 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Zinc Chloride 1M in Diethyl Ether), 3 (8), I, MARINE POLLUTANT/ENVIRONME NTALLY HAZARDOUS	UN 2924 Flammable liquid, corrosive, n.o.s. (Zinc Chloride 1M in Diethyl Ether), 3 (8), I, ENVIRONMENTALLY HAZARDOUS	UN 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Zinc Chloride 1M in Diethyl Ether), 3 (8), I, ENVIRONMENTALLY HAZARDOUS	UN 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Zinc Chloride 1M in Diethyl Ether), 3 (8), I, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard class(es)				
3 (8)	3 (8)	3 (8)	3 (8)	3 (8)
8	3 8	3 8		3 B
14.4. Packing group				
I	I	I	I	I
14.5. Environmental haz	ards			
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes

# No supplementary information available

#### 14.6. Special precautions for user **Overland transport**

Classification code (ADR) : FC Special provisions (ADR) : 274 Limited quantities (ADR) : 0 Excepted quantities (ADR) : E0 Packing instructions (ADR) : P001 Mixed packing provisions (ADR) : MP7, MP17 Portable tank and bulk container instructions : T14

(ADR)

Portable tank and bulk container special provisions

(ADR)

Tank code (ADR) : L10CH Tank special provisions (ADR) : TU14, TE21 : FL

EN (English) 7/9 1/23/2019 (Version: 1.2)

Vehicle for tank carriage

7/25/2018 (Version: 1.0)

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Transport category (ADR) : 1
Special provisions for carriage - Operation (ADR) : S2, S20

Hazard identification number (Kemler No.) : 338

Orange plates :

338 2924

Tunnel restriction code (ADR) : C/E
EAC code : •3WE
APP code : A(fl)

Transport by sea

Special provisions (IMDG) : 274 Packing instructions (IMDG) : P001 Tank instructions (IMDG) : T14 Tank special provisions (IMDG) : TP2 EmS-No. (Fire) : F-E EmS-No. (Spillage) : S-C · F Stowage category (IMDG) 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) : 350 PCA max net quantity (IATA) : 0.5L : 360 CAO packing instructions (IATA) CAO max net quantity (IATA) : 2.5L : A3, A803 Special provisions (IATA) ERG code (IATA) : 3CH

Inland waterway transport

Classification code (ADN) : FC
Special provisions (ADN) : 274
Limited quantities (ADN) : 0
Excepted quantities (ADN) : E0
Carriage permitted (ADN) : T

Equipment required (ADN) : PP, EP, EX, A

Ventilation (ADN) : VE01

Number of blue cones/lights (ADN) : 1

Rail transport

Classification code (RID) : FC
Special provisions (RID) : 274
Limited quantities (RID) : 0
Excepted quantities (RID) : E0
Packing instructions (RID) : P001
Mixed packing provisions (RID) : MP7, MP17
Portable tank and bulk container instructions (RID) : T14

Portable tank and bulk container special provisions : TP2 (RID)

Tank codes for RID tanks (RID) : L10CH

Special provisions for RID tanks (RID) : TU14, TU38, TE21, TE22

Transport category (RID) : 1
Hazard identification number (RID) : 338

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

Not applicable

7/25/2018 (Version: 1.0) EN (English) 8/9

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

#### **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 Directive 2012/18/EU (SEVESO III)

#### 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**

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16

December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of H- and EUH-statements:		
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1	
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1	
Flam. Liq. 1	Flammable liquids, Category 1	
Skin Corr. 1B	Skin corrosion/irritation, Category 1B	
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis	
H224	Extremely flammable liquid and vapour.	
H225	Highly flammable liquid and vapour.	
H302	Harmful if swallowed.	
H312	Harmful in contact with skin.	
H314	Causes severe skin burns and eye damage.	
H332	Harmful if inhaled.	
H336	May cause drowsiness or dizziness.	
H400	Very toxic to aquatic life.	
H410	Very toxic to aquatic life with long lasting effects.	

# 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.

7/25/2018 (Version: 1.0) EN (English) 9/9