according to Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU



#### SDS ≥99 %, Pellets, for biochemistry

article number: **CN30**date of compilation: 02.09.2015

Version: **3.0 en**Replaces version of: 07.12.2018

Version: (2)

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

#### 1.1 Product identifier

Identification of the substance Sodium dodecyl sulfate

Article number CN30

Registration number (REACH)

This information is not available.

EC number 205-788-1 CAS number 151-21-3

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

**Identified uses:** laboratory chemical

laboratory and analytical use

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

Carl Roth GmbH + Co KG Schoemperlenstr. 3-5 D-76185 Karlsruhe Germany

**Telephone:** +49 (0) 721 - 56 06 0 **Telefax:** +49 (0) 721 - 56 06 149 **e-mail:** sicherheit@carlroth.de **Website:** www.carlroth.de

Competent person responsible for the safety data : Department Health, Safety and Environment

sheet

e-mail (competent person) : sicherheit@carlroth.de

1.4 Emergency telephone number

Emergency information service Poison Centre Munich: +49/(0)89 19240

# **SECTION 2: Hazards identification**

## 2.1 Classification of the substance or mixture

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

#### Classification acc. to GHS Hazard class and cat-**Section Hazard class** Hazard egory statement 3.10 H302 acute toxicity (oral) (Acute Tox. 4) 3.2 (Skin Irrit. 2) H315 skin corrosion/irritation 3.3 (Eye Dam. 1) H318 serious eye damage/eye irritation 4.1C hazardous to the aquatic environment - chronic hazard (Aquatic Chronic 3) H412

#### 2.2 Label elements

Malta (en) Page 1 / 14

according to Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU



#### SDS ≥99 %, Pellets, for biochemistry

article number: CN30

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

Signal word Danger

#### **Pictograms**

GHS05, GHS07



#### **Hazard statements**

H302 Harmful if swallowed
H315 Causes skin irritation
H318 Causes serious eye damage

H412 Harmful to aquatic life with long lasting effects

## **Precautionary statements**

#### **Precautionary statements - prevention**

P273 Avoid release to the environment. P280 Wear protective gloves/eye protection.

## **Precautionary statements - response**

P302+P352 IF ON SKIN: Wash with plenty of 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.

P312 Call a POISON CENTRE/doctor if you feel unwell.

#### **Hazardous ingredients for labelling:**Sodium dodecyl sulfate

#### Labelling of packages where the contents do not exceed 125 ml

Signal word: Danger

Symbol(s)



H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

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.

contains: Sodium dodecyl sulfate

## 2.3 Other hazards

There is no additional information.

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

#### 3.1 Substances

Name of substance Sodium dodecyl sulfate

 EC number
 205-788-1

 CAS number
 151-21-3

Molecular formula C<sub>12</sub>H<sub>25</sub>NaO<sub>4</sub>S

Malta (en) Page 2 / 14

according to Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU



#### SDS ≥99 %, Pellets, for biochemistry

article number: CN30

Molar mass 288,4 g/<sub>mol</sub>

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

#### 4.1 Description of first aid measures



#### **General notes**

Take off contaminated clothing.

#### Following inhalation

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

#### Following skin contact

Rinse skin with water/shower. In case of skin irritation, consult a physician.

#### Following eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

#### **Following ingestion**

Rinse mouth with water (only if the person is conscious). Call a doctor.

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

Vomiting, Risk of blindness, Risk of serious damage to eyes, Irritation

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

none

# **SECTION 5: Firefighting measures**

#### 5.1 Extinguishing media



#### Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings water spray, foam, dry extinguishing powder, carbon dioxide (CO2)

# Unsuitable extinguishing media

water jet

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

Combustible.

#### **Hazardous combustion products**

In case of fire may be liberated: carbon monoxide (CO), carbon dioxide (CO2), sulphur oxides (SOx)

#### 5.3 Advice for firefighters

Do not allow firefighting water to enter drains or water courses. Fight fire with normal precautions from a reasonable distance. Wear self-contained breathing apparatus.

Malta (en) Page 3 / 14

according to Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU



#### SDS ≥99 %, Pellets, for biochemistry

article number: CN30

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

## 6.1 Personal precautions, protective equipment and emergency procedures



## For non-emergency personnel

Wearing of suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. Do not breathe dust. Avoid contact with skin, eyes and clothes.

## **6.2** Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

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

#### Advice on how to contain a spill

Covering of drains.

## Advice on how to clean up a spill

Take up mechanically. Control of dust.

## Other information relating to spills and releases

Place in appropriate containers for disposal.

#### 6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

# SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Provision of sufficient ventilation.

#### Measures to prevent fire as well as aerosol and dust generation

Removal of dust deposits.

#### Advice on general occupational hygiene

Wash hands before breaks and after work. Keep away from food, drink and animal feedingstuffs.

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

Store in a dry place.

#### **Incompatible substances or mixtures**

Observe hints for combined storage.

#### **Consideration of other advice**

#### Ventilation requirements

Use local and general ventilation.

## Specific designs for storage rooms or vessels

Recommended storage temperature: 15 – 25 °C.

## 7.3 Specific end use(s)

No information available.

Malta (en) Page 4 / 14

according to Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU



SDS ≥99 %, Pellets, for biochemistry

article number: CN30

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

#### 8.1 Control parameters

**National limit values** 

**Occupational exposure limit values (Workplace Exposure Limits)** 

Data are not available.

#### Relevant DNELs/DMELs/PNECs and other threshold levels

#### • human health values

Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
DNEL	285 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
DNEL	4.060 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects

#### environmental values

Endpoint	Threshold level	Environmental compartment	Exposure time
PNEC	0,176 <sup>mg</sup> / <sub>l</sub>	freshwater	short-term (single instance)
PNEC	0,018 <sup>mg</sup> / <sub>l</sub>	marine water	short-term (single instance)
PNEC	1,35 <sup>mg</sup> / <sub>l</sub>	sewage treatment plant (STP)	short-term (single instance)
PNEC	6,97 <sup>mg</sup> / <sub>kg</sub>	freshwater sediment	short-term (single instance)
PNEC	0,697 <sup>mg</sup> / <sub>kg</sub>	marine sediment	short-term (single instance)
PNEC	1,29 <sup>mg</sup> / <sub>kg</sub>	soil	short-term (single instance)

#### 8.2 Exposure controls

Individual protection measures (personal protective equipment)

#### **Eye/face protection**





Use safety goggle with side protection.

#### Skin protection





## hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. The times are approximate values from measurements at 22 ° C and permanent contact. Increased temperatures due to heated substances, body heat etc. and a reduction of the effective layer thickness by stretching can lead to a considerable reduction of the breakthrough time. If in doubt, contact manufacturer. At an approx. 1.5 times larger / smaller layer thickness, the respective breakthrough time is doubled / halved. The data apply only to the pure substance. When transferred to substance mixtures, they may only be considered as a guide.

Malta (en) Page 5 / 14

according to Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU



#### SDS ≥99 %, Pellets, for biochemistry

article number: CN30

## type of material

NBR (Nitrile rubber)

#### material thickness

>0.11 mm

## • breakthrough times of the glove material

>480 minutes (permeation: level 6)

#### other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended.

## **Respiratory protection**





Respiratory protection necessary at: Dust formation. Particulate filter device (EN 143). P2 (filters at least 94 % of airborne particles, colour code: White).

#### **Environmental exposure controls**

Keep away from drains, surface and ground water.

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

## 9.1 Information on basic physical and chemical properties

#### **Appearance**

Physical state solid (acc. to product description)

Colour white

Odour odourless

Odour threshold No data available

#### Other physical and chemical parameters

pH (value) 6 – 9 (water: 10 <sup>g</sup>/<sub>l</sub>, 20 °C)

Melting point/freezing point 205 °C

Initial boiling point and boiling range 216 °C at 1.022 mbar

Flash point 170 °C

Evaporation rate no data available

Flammability (solid, gas)

These information are not available

**Explosive limits** 

lower explosion limit (LEL)
 upper explosion limit (UEL)
 this information is not available
 Explosion limits of dust clouds
 these information are not available
 Vapour pressure
 This information is not available.

Density 0,63 <sup>g</sup>/<sub>ml</sub> at 20 °C

Vapour density This information is not available.

Malta (en) Page 6 / 14

according to Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU

# ROTH

#### SDS ≥99 %, Pellets, for biochemistry

article number: CN30

Relative density Information on this property is not available.

Solubility(ies)

Water solubility  $130 \, {}^{9}/_{l}$  at 20  ${}^{\circ}\text{C}$ 

Partition coefficient

n-octanol/water (log KOW) ≤-2,03 (20 °C) (ECHA)

Soil organic carbon/water (log KOC) 2,5 – 2,65 (ECHA)

Auto-ignition temperature 310,5 °C

Decomposition temperature >216 °C at 1.022 mbar (ECHA)

Viscosity not relevant (solid matter)

Explosive properties Shall not be classified as explosive

Oxidising properties none

9.2 Other information

Surface tension 25,2 <sup>mN</sup>/<sub>m</sub> (23 °C)

Temperature class (EU, acc. to ATEX)

T2 (Maximum permissible surface temperature

on the equipment: 300°C)

# **SECTION 10: Stability and reactivity**

#### 10.1 Reactivity

The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

#### 10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

#### 10.3 Possibility of hazardous reactions

Violent reaction with: Strong oxidiser

#### 10.4 Conditions to avoid

Keep away from heat. Decompostion takes place from temperatures above: >216 °C at 1.022 mbar.

#### 10.5 Incompatible materials

There is no additional information.

## 10.6 Hazardous decomposition products

Hazardous combustion products: see section 5.

# **SECTION 11: Toxicological information**

## 11.1 Information on toxicological effects

#### **Acute toxicity**

Exposure route	Endpoint	Value	Species	Source
oral	LD50	977 <sup>mg</sup> / <sub>kg</sub>	rat	ECHA
dermal	LD50	>2.000 <sup>mg</sup> / <sub>kg</sub>	rat	ECHA

Malta (en) Page 7 / 14

according to Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU



#### SDS ≥99 %, Pellets, for biochemistry

article number: CN30

#### Skin corrosion/irritation

Causes skin irritation.

## Serious eye damage/eye irritation

Causes serious eye damage.

## Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

## Summary of evaluation of the CMR properties

Shall not be classified as germ cell mutagenic, carcinogenic nor as a reproductive toxicant

## • Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

## • Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

#### **Aspiration hazard**

Shall not be classified as presenting an aspiration hazard.

## Symptoms related to the physical, chemical and toxicological characteristics

#### If swallowed

data are not available

## • If in eyes

Causes serious eye damage, risk of blindness

#### • If inhaled

data are not available

#### • If on skin

causes skin irritation

#### Other information

None

# **SECTION 12: Ecological information**

#### 12.1 Toxicity

Harmful to aquatic life with long lasting effects.

## **Aquatic toxicity (acute)**

Endpoint	Value	Species	Source	Exposure time
LC50	29 <sup>mg</sup> / <sub>l</sub>	fish	ECHA	96 h
ErC50	>120 <sup>mg</sup> / <sub>l</sub>	algae	ECHA	72 h

#### **Aquatic toxicity (chronic)**

May cause long-term adverse effects in the aquatic environment.

Malta (en) Page 8 / 14

according to Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU



#### SDS ≥99 %, Pellets, for biochemistry

article number: **CN30** 

Endpoint	Value	Species	Source	Exposure time
EC50	135 <sup>mg</sup> / <sub>l</sub>	microorganisms	ECHA	3 h
NOEC	0,88 <sup>mg</sup> / <sub>l</sub>	aquatic invertebrates	ECHA	7 d
NOEC	≥1,357 <sup>mg</sup> / <sub>l</sub>	fish	ECHA	42 d

#### 12.2 Process of degradability

The substance is readily biodegradable. Theoretical Oxygen Demand: 1,97 <sup>mg</sup>/<sub>mg</sub> Theoretical Carbon Dioxide: 1,831 <sup>mg</sup>/<sub>mg</sub>

Process	Degradation rate	Time
biotic/abiotic	90 %	28 d
carbon dioxide generation	95 %	28 d

## 12.3 Bioaccumulative potential

Does not significantly accumulate in organisms.

n-octanol/water (log KOW) ≤-2,03 (20 °C)

12.4 Mobility in soil

Henry's law constant 0,019 Pa m³/<sub>mol</sub> at 25 °C

The Organic Carbon normalised adsorption 2,5 – 2,65

coefficient

#### 12.5 Results of PBT and vPvB assessment

Data are not available.

#### 12.6 Other adverse effects

Data are not available.

# **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods



This material and its container must be disposed of as hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations.

#### Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

#### 13.2 Relevant provisions relating to waste

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

#### 13.3 Remarks

Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities. Please consider the relevant national or regional provisions.

Malta (en) Page 9 / 14

according to Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU



#### SDS ≥99 %, Pellets, for biochemistry

article number: CN30

# **SECTION 14: Transport information**

**14.1** UN number (not subject to transport regulations)

**14.2** UN proper shipping name not relevant

**14.3** Transport hazard class(es) not relevant

Class

**14.4** Packing group not relevant not assigned to a packing group

**14.5** Environmental hazards none (non-environmentally hazardous acc. to the danger-

ous goods regulations)

14.6 Special precautions for user

There is no additional information.

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

The cargo is not intended to be carried in bulk.

- 14.8 Information for each of the UN Model Regulations
  - Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN)

Not subject to ADR, RID and ADN.

• International Maritime Dangerous Goods Code (IMDG)

Not subject to IMDG.

• International Civil Aviation Organization (ICAO-IATA/DGR)

Not subject to ICAO-IATA.

# **SECTION 15: Regulatory information**

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Relevant provisions of the European Union (EU)
  - Regulation 649/2012/EU concerning the export and import of hazardous chemicals (PIC) Not listed.
  - Regulation 1005/2009/EC on substances that deplete the ozone layer (ODS)

Not listed.

Regulation 850/2004/EC on persistent organic pollutants (POP)

Not listed.

Restrictions according to REACH, Annex XVII

not listed

• Restrictions according to REACH, Title VIII

None.

• List of substances subject to authorisation (REACH, Annex XIV)/SVHC - candidate list not listed

Malta (en) Page 10 / 14

according to Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU



#### SDS ≥99 %, Pellets, for biochemistry

article number: CN30

#### Seveso Directive

2012/	2012/18/EU (Seveso III)				
No	Dangerous substance/hazard categories	Qualifying quantity (tonnes) for the application of lower and upper-tier requirements	Notes		
	not assigned				

#### • Directive 75/324/EEC relating to aerosol dispensers

#### Filling batch

**Deco-Paint Directive (2004/42/EC)** 

2000 1 00000 2000000 (200 00 120 20)	
VOC content	100 % 630 <sup>g</sup> / <sub>l</sub>

#### Directive on industrial emissions (VOCs, 2010/75/EU)

VOC content	0 %
VOC content	0 <sup>g</sup> / <sub>l</sub>

Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) - Annex II

not listed

Regulation 166/2006/EC concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

not listed

Directive 2000/60/EC establishing a framework for Community action in the field of water policy (WFD)

not listed

Regulation 98/2013/EU on the marketing and use of explosives precursors

not listed

Regulation 111/2005/EC laying down rules for the monitoring of trade between the Community and third countries in drug precursors

not listed

## **National inventories**

Substance is listed in the following national inventories:

Country	National inventories	Status
AU	AICS	substance is listed
CA	DSL	substance is listed
CN	IECSC	substance is listed
EU	ECSI	substance is listed
EU	REACH Reg.	substance is listed
JP	CSCL-ENCS	substance is listed
KR	KECI	substance is listed
MX	INSQ	substance is listed

Malta (en) Page 11 / 14

according to Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU



#### SDS ≥99 %, Pellets, for biochemistry

article number: CN30

Country	National inventories	Status
NZ	NZIoC	substance is listed
PH	PICCS	substance is listed
TR	CICR	substance is listed
TW	TCSI	substance is listed
US	TSCA	substance is listed

Legend

Australian Inventory of Chemical Substances Chemical Inventory and Control Regulation List of Existing and New Chemical Substances (CSCL-ENCS) AICS

CICR CSCL-ENCS DSL ECSI IECSC

Domestic Substances List (DSL)

EC Substance Inventory (EINECS, ELINCS, NLP)

Inventory of Existing Chemical Substances Produced or Imported in China National Inventory of Chemical Substances

Korea Existing Chemicals Inventory

New Zealand Inventory of Chemicals

Philippine Inventory of Chemicals and Chemical Substances INSQ

REACH Reg. REACH registered substances
TCSI Taiwan Chemical Substance Inventory
TSCA Toxic Substance Control Act

## 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance.

# **SECTION 16: Other information**

## Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety- relev- ant
2.2		Precautionary statements - response: change in the listing (table)	yes
2.2		Hazardous ingredients for labelling: Sodium dodecyl sulfate	yes
2.2		contains: Sodium dodecyl sulfate	yes
8.1		environmental values: change in the listing (table)	yes
14.4	Packing group: not relevant	Packing group: not relevant not assigned to a packing group	yes

## Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
CMR	Carcinogenic, Mutagenic or toxic for Reproduction
DGR	Dangerous Goods Regulations (see IATA/DGR)

Malta (en) Page 12 / 14

according to Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU



## SDS ≥99 %, Pellets, for biochemistry

article number: CN30

DNEL D	Derived Minimal Effect Level  Derived No-Effect Level  Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval
EC50 Et	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50
EC50 E1	ffective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval
EINECS E	uropean Inventory of Existing Commercial Chemical Substances
ELINCS E	uropean List of Notified Chemical Substances
ErC50 = g	EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control
GHS "C	Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA Ir	nternational Air Transport Association
IATA/DGR D	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO Ir	nternational Civil Aviation Organization
IMDG Ir	nternational Maritime Dangerous Goods Code
LC50 Le	ethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % ethality during a specified time interval
LD50 Le	ethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval
MARPOL Ir	nternational Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")
NLP N	No-Longer Polymer
NOEC N	No Observed Effect Concentration
PBT P	Persistent, Bioaccumulative and Toxic
PNEC P	Predicted No-Effect Concentration
REACH R	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID R	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
SVHC Si	Substance of Very High Concern
VOC V	/olatile Organic Compounds
vPvB ve	very Persistent and very Bioaccumulative

## Key literature references and sources for data

- Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU Regulation (EC) No. 1272/2008 (CLP, EU GHS)
  Dangerous Goods Regulations (DGR) for the air transport (IATA)
  International Maritime Dangerous Goods Code (IMDG)

## List of relevant phrases (code and full text as stated in chapter 2 and 3)

Code	Text
H302	harmful if swallowed
H315	causes skin irritation
H318	causes serious eye damage
H412	harmful to aquatic life with long lasting effects

Malta (en) Page 13 / 14

according to Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU



SDS ≥99 %, Pellets, for biochemistry

article number: CN30

#### Disclaimer

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Malta (en) Page 14 / 14