

## SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

### **Lidocaine HCL**

Version	Revision Date:	SDS Number	Date of last issue: -
2.0	01.12.2020	No. 1907/2006	Date of first issue: 01.12.2020

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

#### **1.1 Product identifier**

Trade name	: Lidocaine HCL
Substance name	: Lidocaine HCL
Article number	: Group safety data sheet for article number 893325 and others.
Registration number (REACH)	: The substance is exempted from the obligation to register
CAS-No.	: 6108-05-0
EC-No.	: 200-803-8

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

Use of the Substance/Mixture : Chemical substance

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

Company	: CCEU Sp. z o.o. ul. Ostatnia 45 PL 60-102 Poznan
Telephone	: +48 888 666 474
E-mail address of person responsible for the SDS	: reach@cristalchem.com

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#### **1.4 Emergency telephone number**

Poisons Control Centre Krakow  
Emergency telephone number : +48 12 411 99 99

As above or nearest toxiological  
information center.

## **SECTION 2: Hazards identification**

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

Classification (REGULATION (EC) No 1272/2008) CLP

Classification				
Section	Hazard class	Category	Hazard class and category	Hazard statement
3.10	Acute toxicity	4	Acute Tox.4	H302

For full text of abbreviations : see SECTION 16

#### **The most important adverse physicochemical, human health and environmental effects**

Spillage and fire water can cause pollution of watercourses.

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### 2.2 Label elements

#### **Labelling ( REGULATION (EC) No 1272/2008)**

Hazard pictograms : GHS07



Signal word : WARNING

#### **Hazard statements**

**H302** : Harmful if swallowed.

#### **Precautionary statements**

**P264** : Wash thoroughly after handling.

**P270** : Do not eat, drink or smoke when using this Product.

**P301 + P312** : IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

**P330** : Rinse mouth

**P501** : Dispose of contents/container in accordance with local/regional/national/international regulations

### 2.3 Other hazards

Dust explosion hazards.

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#### **Results of PBT and vPvB assessment**

According to the results of its assessment, this substance is not a PBT or a vPvB.

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

#### **3.1 Substances**

<b>Name of substance</b>	: Lidocaine hydrochloride monohydrate
Identifiers	
CAS – No	: 6108-05-0
EC – No	: 200-803-8
<b>Molecular formula</b>	: C <sub>14</sub> H <sub>22</sub> N <sub>2</sub> O
<b>Molar mass</b>	: 288,8 <sup>g</sup> / <sub>mol</sub>
<b>Purity</b>	: > 90%

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

#### **4.1 Description of first aid measures**

##### **General notes**

Self-protection of the first aider.

Remove affected person from the danger area and lay down.

Do not leave affected person unattended.

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Take off immediately all contaminated clothing.

In case of accident or if you feel unwell, seek medical advice immediately ( show the Label or safety data sheet where possible).

#### **Following inhalation**

Provide fresh air

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions.

In case of unconsciousness place person in the recovery position. Never give anything by mouth.

#### **Following skin contact**

Wash with plenty of soap and water.

#### **Following eye contact**

Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

#### **Following ingestion**

Rinse mouth. Do not induce vomiting.

Get medical advice/attention. If you feel unwell.

In case of unconsciousness place person in the recovery position. Never give anything by mouth.

#### **Notes for the doctor**

None.

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

Toxic is swallowed

Poisoning effect on central nervous system can cause convulsions, laboured breathing and loss of consciousness.

Diarrhoea.

Vomiting.

Fever.

Headache.

Gastrointestinal complaints.

Vertigo.

Malaise.

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

Symptoms may develop several hours following exposure; medical observations therefore necessary for at least 48 hours.

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

Suitable extinguishing media

: Use water spray, alcohol-resistant foam  
dry Chemical or car-bon dioxide.

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Unsuitable extinguishing media : High volume water jet.

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

Hazardous decomposition products: SECTION 10.

Deposited Combustible dust has considerable explosion potential.

##### **Hazardous decomposition products**

Nitrogen oxides ( NO<sub>x</sub>), carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), hydrogen chloride (HCL), pyrolysis products, toxic.

#### **5.3 Advice for firefighters**

Keep containers cool with water spray.  
In case of fire and/or explosion do not breathe fumes.  
Co-ordinate firefighting measures of the fire surrounding.  
Do not allow firefighting water to enter drains or water courses.  
Collect contaminated firefighting water separately.  
Fight fire with normal precautions from a reasonable distance.

##### **Special protective equipment for firefighters.**

Self-contained breathing apparatus (EN133).

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

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

##### **For non-emergency personnel**

Remove persons to safety

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Ventilate affected area.

Do not breathe dust.

Control of dust.

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.

#### **For emergency responders**

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

#### **6.2 Environmental precautions**

Knock down dust with water spray.

Keep away from drains, Surface and ground water.

Retain contaminated washing water and dispose of it.

If substance has entered a water course or sewer, inform the responsible authority.

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

##### **Advice on how to contain a spill**

Take up mechanically..

##### **Advice on how to clean up a spill**

Take up mechanically.



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Collect spillage.

#### **Other information relating to spills and release.**

Place in appropriate containers for disposal.

Ventilate affected area.

#### **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**

Avoid contact with skin and eyes.

Do not breathe dust.

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

Use local and general ventilation.

Keep away from sources of ignition – no smoking.

Take precautionary measures against static discharge.

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Removal of dust deposits.

Only vacuum cleaners Containing no ignition sources may be used for Combustible dusts.

Use explosion-proof electrical/ventilating/lighting/equipment.

Use only non-sparking tools.

#### **Specific notes/details**

Layers, deposits and heaps of combustible dust must be considered, like any other source which can form a hazardous explosive atmosphere.

Dust desposits may accumulate on all deposition surfaces in a technical room.

#### **Handling of Incompatible substances of mixtures.**

Do not mixed with oxidiser.

#### **Measures to protect the environment.**

Avoid release to the environment.

#### **Advice on general occupational hygiene**

Do not eat, drink and smoke in work areas.

Wash hands after use.

Preventive skin protection (barrier creams/ointments) is recommended.

Remove contaminated clothing and protective equipment before entering eating areas.

Do not breathe dust.

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

#### **Explosive atmospheres**

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Removal of dust deposits

Only vacuum cleaners containing no ignition sources may be used for combustible dusts.

#### **Flammability hazards**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Ground/bond container and receiving Equipment.

#### **Incompatible substances of mixtures**

Incompatible materials: see section 10.

**Protect against external exposure, such as**  
heat, humidity.

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

Keep away from food, drink and animal Feedingstuffs

#### **Ventilation requirements**

Provision of sufficient ventilation.

#### **Specific designs for storage rooms or vessels**

Keep container tightly closed and in a well-ventilated place.

Keep cool.

Store in a dry place.

#### **Packaging compatibilities**

Keep only in original container.

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#### 7.3 Specific end use(s)

Chemical industry

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)						
Country	Name of agent	Identifier	TWA [mg/m <sup>3</sup> ]	STEL [mg/m <sup>3</sup> ]	Notation	Source
PL	Dusts not classified as toxic	NDS	10		i	Dz.U. - 2020

#### Notation

i : inhalable fraction

STEL : short-term exposure limit: a limit value above which exposure should not occur and which is related a 15-minute period ( unless Otherwise specified)

TWA : time-weighted average (long-term exposure limit): measured or calculated in relations to a reference period of 8 hours time-weight average (unless otherwise specified)

#### 8.2 Exposure controls

##### Appropriate engineering controls

General ventilation

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#### **Individual protection measures ( personal protective equipment)**

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

Wear eye/face protection. (EN 166).

##### **Hand protection**

<b>Protective gloves</b>		
Material	Material thickness	Breakthrough times of the glove material
NBR: acrylonitrile-butadiene rubber	No information available	No information available
CR: chloroprene (chlorobutadiene rubber)	No information available	No information available
FKM: fluoro-elastomer	No information available	No information available

Wear suitable gloves

Chemical protection gloves are suitable, which are tested according to EN 374.

Check leak-tightness/impermeability prior to use.

In the case of wanting to use the gloves again, clean them before taking off and air them well.

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.

##### **Other protection measures**

Protective clothing for use against solid particulates.

##### **Respiratory protection**

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In case of inadequate ventilation wear respiratory protection.

Particulate filter device (EN 143).

P3 (filters at least 99,95% of airborne particles, Colour code: white)

#### **Environmental exposure controls**

Use appropriate container to avoid environmental contamination.

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
Form	: powder, crystalline
Colour	: White
Odour	: characteristic
Odour Threshold	: these information are not available

##### **Other safety parameters**

pH (value)	: 4 - 5,5 (water: 5g/l, 20 °C)
Melting point/freezing point	: 75 - 79 °C
Initial boiling point and boiling range	: these information are not available
Flash point	: > 100 °C
Evaporation rate	: these information are not available

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Flammability ( solid, gas) : these material is combustible, but will not ignite readily

Explosion limits of dust clouds : not determinated

Vapour pressure : < 0,001 hPa

Density : these information are not available

Vapour density : these information are not available

Relative density : these information are not available

#### **Solubility(ies)**

Water solubility : these information are not available

#### **Partition coefficient**

n-octanol/water (log KOW) : these information are not available

Auto-ignition temperature : not relevant (Solid matter)

Relative self-ignition temperature of solids : these information are not available

Decomposition temperature : these information are not available

#### **Viscosity**

Kinematic viscosity : not relevant (Solid matter)

Dynamic viscosity : not relevant (Solid matter)

Explosive properties : these information are not available

Oxidising properties : shall not be classified as oxidising

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#### **9.2 Other information**

None.

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

#### **10.1 Reactivity**

No information available.

#### **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 reaction**

No known hazardous reactions.

#### **10.4 Conditions to avoid**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Take precautionary measures against static discharge.  
Control of dust.

#### **10.5 Incompatible materials**

Acids, bases, oxidisers.

#### **10.6 Hazardous decomposition products**

Hazardous combustion products: see section 5.

Nitrogen oxides ( Nox).



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Carbon monoxide (CO).

Carbon dioxide (CO<sub>2</sub>).

Hydrogen dioxide (HCL).

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

If not otherwise specified the classification is based on:

Animal studies; Evidence from any other toxicity tests; Expert judgement ( weight of evidence determination).

**Classification according to GHS (1272/2008/EC, CLP)**

#### **Acute toxicity**

Harmfull is swallowed

Acute toxicity			
Exposure route	Endpoint	Value	Species
oral	LD50	389 <sup>mg</sup> / <sub>kg</sub>	rat

#### **Skin corrosion/irritation**

Shall not be classified as corrosive/irritant to skin.

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#### **Serious eye damage/eye irritation**

Shall not be classified as seriously damaging to the eye or eye irritant.

#### **Respiratory or skin sensitisation**

##### **Skin sensitisation**

Classification could not be established because:

Data are lacking, inconclusive, but not sufficient for classification.

##### **Respiratory sensitisation**

Classification could not be established because:

Data are lacking, inconclusive, but not sufficient for classification.

#### **Germ cell mutagenicity**

Classification could not be established because:

Data are lacking, inconclusive, but not sufficient for classification.

#### **Carcinogenicity**

Classification could not be established because:

Data are lacking, inconclusive, but not sufficient for classification.

#### **Reproductive toxicity**

Classification could not be established because:

Data are lacking, inconclusive, but not sufficient for classification.

#### **Specific target organ toxicity – single exposure**

Classification could not be established because:

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Data are lacking, inconclusive, but not sufficient for classification.

#### **Specific target organ toxicity – repeated exposure**

Classification could not be established because:

Data are lacking, inconclusive, but not sufficient for classification.

#### **Aspiration hazard**

Shall not be classified as presenting an Aspiration hazard

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

#### **Aquatic toxicity ( acute)**

No data available.

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

No data available.

### **12.2 Persistence and degradability**

#### **Biodegradation**

Data are not available.

#### **Persistence**

Data are not available.

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#### **12.3 Bioaccumulative potential**

Data are not available.

#### **12.4 Mobility in soil**

Data are not available.

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

According to the results of its assessment, this substance is not a PBT or a vPvB.

#### **12.6 Other adverse effects**

Data are not available.

#### **Remarks**

Wassergefährdungsklasse, WGK (water hazard class): 3

Keep away from drains, surface and ground water.

### **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.

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#### **Waste treatment of containers/packagings**

Handle contaminated packages in the same way as the substance itself.

#### **Remarks**

Please consider the relevant national or regional provisions.

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

#### **14.1 UN number**

Not subject to transport regulations

#### **14.2 UN proper shipping name**

Not subject to transport regulations

#### **14.3 Transport hazard class(es)**

Not subject to transport regulations

#### **14.4 Packing group**

Not subject to transport regulations

#### **14.5 Environmental hazards**

Not subject to transport regulations

#### **14.6 Special precautions for users**

Not subject to transport regulations

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

Not subject to transport regulations

### **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)**

**Restrictions according to REACH, Annex XVII**

Not listed

**List of substances subject to authorisation (REACH, Annex XIV) / SVHC – Candidate list**

Not listed

**Seveso Directive**

Not assigned.

**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

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

List of Pollutants (WFD)			
Name of substance	CAS No	Listed in	Remarks
Lidocaine hydrochloride monohydrate		A)	

#### Legend

**A)** Indicative list of the main pollutants

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

Not listed.

**Regulation 1005/2009/EC on substances that deplete the ozone layer (ODS)**

Not listed.

**Regulation 649/2012/EU concerning the export and import of hazardous chemicals (PIC)**

Not listed

**National inventories**

Country	Inwentry	Status
AU	AICS	Substance is listed
EU	ECSI	Substance is listed
NZ	NZIoC	Substance is listed
TW	TCSI	Substance is listed

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#### Legend

AICS	: Australian Inventory of Chemical Substances
ECSI	: EC Substance Inventory ( EINECS, ELINCS, NLP)
NZIoC	: New Zealand Inventory of Chemicals
TCSI	: Taiwan Chemical Substance Inventory

### 15.2 Chemical safety assessment

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

### SECTION 16: Other information

#### Indications of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)
1.2	Relevant identified uses: Laboratory chemical Manufacture of substances	Relevant identified uses: Chemical Industry
2.1	-	Classification: Change is the listing (table)
2.2	Signal word: Danger	Signal word: Warning
2.2	-	Pictograms: Change is the listing (table)
2.2	-	Hazard statements: Change is the listing (table)



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Section	Former entry (text/value)	Actual entry (text/value)
2.2	-	Precautionary statements: Change is the listing (table)
3.1	Name of substance: Lidocaine hydrochloride	Name of substance: Lidocaine hydrochloride monohydrate
3.1	-	Purity: > 90%
8.1	-	Occupational exposure limit values (workplace Exposure Limits): Change is the listing (table)
8.2	-	Protective gloves: Change is the listing (table)
8.2	Respiratory protection: In case of inadequate ventilation wear respiratory protection. Particulate filter device (EN 143). P2 (filters at least 94% of airborne particles, colour code: White	Respiratory protection: In case of inadequate ventilation wear respiratory protection. Particulate filter device (EN 143). P3 (filters at least 99,95% of airborne particles, colour code: White
14.1	UN number: 2811	UN number: Not subject to transport regulation
14.2	UN proper shipping name: TOXIC SOLID, ORGANIC, N.O.S	UN proper shipping name: -
14.2	Technical name: Lidocaine hydrochloride	-
14.3	Class: 6.1	-
14.4	Packing group: III	Packing group: -
14.6	Special precautions for user: Provisions for dangerous goods (ADR) Should be complied within the premises	Special precautions for user: -

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Section	Former entry (text/value)	Actual entry (text/value)
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.	Transport in bulk according to Annex II of MARPOL and the IBC Code: -
14.8	Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN)	-
14.8	UN number: 2811	-
14.8	Proper shipping name: UN2811, TOXIC SOLID, ORGANIC, N.O.S., (Lidocaine hydrochloride), 6.1, III, (E)	-
14.8	Class: 6.1	-
14.8	Classification code: T2	-
14.8	Packing group: III	-
14.8	Danger label(s): 6.1	-
14.8	-	Danger label(s): Change is the listing (table)
14.8	Special provisions (SP): 274, 614, 802(ADN)	-
14.8	Excepted quantities (EQ): E1	-
14.8	Limited quantities (LQ): 5kg	-
14.8	Transport category (TC): 2.	-

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Section	Former entry (text/value)	Actual entry (text/value)
14.8	Tunnel restriction code (TRC): E	-
14.8	Hazard identification No: 60	-
14.8	International Maritime Dangerous Goods Code (IMDG)	-
14.8	UN number: 2811	-
14.8	Proper shipping name: UN2811, TOXIC SOLID, ORGANIC, N.O.S. ,(Lidocaine hydrochloride), 6.1, III, (E)	-
14.8	Class: 6.1	-
14.8	Marine pollutant: -	-
14.8	Packing group: III	-
14.8	Danger label(s): 6.1	-
14.8		Danger label(s): Change is the listing (table)
14.8	Special provisions (SP): 223,274	-
14.8	Excepted quantities (EQ): E1	-
14.8	Limited quantities (LQ): 5kg	-
14.8	EmS: F-A, S-A	-

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Section	Former entry (text/value)	Actual entry (text/value)
14.8	Stowage category: A	-
14.8	International Civil Aviation Organization (ICAO-IATA-DGR)	-
14.8	UN number: 2811	-
14.8	Proper shipping name: UN2811, TOXIC SOLID, ORGANIC, N.O.S. ,(Lidocaine hydrochloride), 6.1, III, (E)	-
14.8	Class: 6.1	-
14.8	Packing group: III	-
14.8	Danger label(s): 6.1	-
14.8		Danger label(s): Change is the listing (table)
14.8	Special provisions (SP): A3,A5	
14.8	Excepted quantities (EQ): E1	
14.8	Limited quantities (LQ): 10kg	
15.1	-	2012/18/EU (Seveso III): Change in the listing table
15.1	Seveso Directive	Seveso Directive: Not assigned

### Abbreviations and acronyms

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Abbr.	Descriptions of used abbreviations
ADN	Accord europeen relatif au transport international des marchandises dangereuses par voies de navigation interieures ( European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord europeen 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
DGR	Dangerous Goods Regulations ( see IATA/DGR)
Dz.U. -2020	Dziennik Ustaw: Rozporządzenie Ministra Pracy i Polityki Społecznej w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy ( Dz.U. 2020.61)
EC No	The EC Inventory ( EINECS, ELINCS, and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
GHS	„ Globally Harmonized System of Classification and Labelling of Chemicals” developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
IMDG	International Maritime Dangerous Goods Code
LD50	Lethal Dose 50% : the LD50 corresponds to the dose of a tested substance causing 50% lethality during a specified time interval
MARPOL	International Convention for the Prevention of Pollution from Ships (Abbr. Of „Marine Pollutant”)
NDS	Workplace exposure limit
NLP	No-Longer Polymer
PBT	Persistent, Bioaccumulative and Toxic

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Abbr.	Descriptions of used abbreviations
REACH	Registration, Evaluation, Authorisation, and Restriction of Chemicals
RID	Reglement concernant le transport International ferroviaire des marchandises Dangereuses ( Regulation concerning the International carriage of Dangerous goods by Rail)
STEL	Short-term exposure limit
SVHC	Substance of Very High Concern
TWA	Time-weighted average
vPvB	Very Persistent and very Bioaccumulative

#### Key Literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. 2018 – ATP 11 2018/669

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

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN).

International Maritime Dangerous Goods Code (IMDG).

Dangerous Goods Regulations (DGR) for the air transport (IATA).

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

Code	Text
H302	Harmful if swallowed

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#### **Disclaimer**

This information is based upon the present state of our knowledge.

This SDS has been compiled and is solely intended for this product.