

## E7110-1502

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

## 1.1 Product identifier:

Product name	: E7110-1502
Synonyms	: sodium carbonate; carbonic acid disodium salt; cleaning powder E7110-1502; disodium carbonate; sodium carbonate powder
Registration number REACH	: Not applicable
Product type REACH	: Substance/mono-constituent (Inorganic)
CAS number	: 497-19-8
EC index number	: 011-005-00-2
EC number	: 207-838-8
RTECS number	: VZ4050000
Molecular mass	: 105.99 g/mol
Formula	: Na <sub>2</sub> CO <sub>3</sub>

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

Cleansing product

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

Supplier of the SDS

CommScope Connectivity Belgium bvba  
 Diestsesteenweg 692  
 B-3010 Kessel-Lo  
 ☎ +32 16 35 16 85  
 #ProductCompliance@commscope.com

## 1.4 Emergency telephone number:

24h/24h: +32 14 58 45 45 (BIG) (NL,FR,GB,DE)

## SECTION 2: Hazards identification

## 2.1 Classification of the substance or mixture:

## 2.1.1 Classification according to Regulation EC No 1272/2008

Classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

Class	Category	Hazard statement code(s)
Eye Irrit.	category 2	H319: Causes serious eye irritation.

## 2.1.2 Classification according to Directive 67/548/EEC-1999/45/EC

Classified as dangerous in accordance with the criteria of Directives 67/548/EEC and 1999/45/EC

Xi; R36 - Irritating to eyes.

## 2.2 Label elements:

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

Hazard pictograms



Signal word Warning

H-statements

H319 Causes serious eye irritation.

P-statements

P280 Wear eye protection/face protection.

P264 Wash hands thoroughly after handling.

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P305 + P351 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
+ P338

P337 + P313 If eye irritation persists: Get medical advice/attention.

## 2.3 Other hazards:

### CLP

Substance does not meet the screening criteria for persistency nor bioaccumulation so is neither PBT nor vPvB

## SECTION 3: Composition/information on ingredients

### 3.1 Substances:

Name (REACH Registration No)	CAS No EC No	Conc.	Classification according to DSD/ DPD	Classification according to CLP	Note	Remark
sodium carbonate ( Not applicable )	497-19-8 207-838-8	100 %	Xi; R36	Eye Irrit. 2; H319		Mono-constituent

### 3.2 Mixtures:

Not applicable

## SECTION 4: First aid measures

### 4.1 Description of first aid measures:

#### General:

If you feel unwell, seek medical advice.

#### After inhalation:

Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

#### After skin contact:

Rinse with water. Soap may be used. Take victim to a doctor if irritation persists.

#### After eye contact:

Rinse immediately with plenty of water. Do not apply neutralizing agents. Take victim to an ophthalmologist if irritation persists.

#### After ingestion:

Rinse mouth with water. Immediately after ingestion: give lots of water to drink. Do not induce vomiting. Consult a doctor/medical service if you feel unwell.

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

#### 4.2.1 Acute symptoms

##### After inhalation:

AFTER INHALATION OF DUST: Dry/sore throat. Coughing. Irritation of the respiratory tract. Irritation of the nasal mucous membranes. EXPOSURE TO HIGH CONCENTRATIONS: Respiratory difficulties.

##### After skin contact:

Red skin.

##### After eye contact:

Irritation of the eye tissue.

##### After ingestion:

AFTER ABSORPTION OF HIGH QUANTITIES: Nausea. Abdominal pain. Irritation of the gastric/intestinal mucosa.

#### 4.2.2 Delayed symptoms

If applicable and available it will be listed below.

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

If applicable and available it will be listed below.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media:

#### 5.1.1 Suitable extinguishing media:

Adapt extinguishing media to the environment.

#### 5.1.2 Unsuitable extinguishing media:

No unsuitable extinguishing media known.

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

Upon combustion CO and CO<sub>2</sub> are formed. Reacts on exposure to water (moisture) with (some) metals.

### 5.3 Advice for firefighters:

#### 5.3.1 Instructions:

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No specific fire-fighting instructions required.

### 5.3.2 Special protective equipment for fire-fighters:

Heat/fire exposure: compressed air/oxygen apparatus. Protective clothing. Safety glasses. Gloves.

## SECTION 6: Accidental release measures

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

No naked flames.

#### 6.1.1 Protective equipment for non-emergency personnel

See heading 8.2

#### 6.1.2 Protective equipment for emergency responders

Gloves. Safety glasses. Protective clothing.

Suitable protective clothing

See heading 8.2

### 6.2 Environmental precautions:

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

Scoop solid spill into closing containers. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.

### 6.4 Reference to other sections:

See heading 13.

## SECTION 7: Handling and storage

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

### 7.1 Precautions for safe handling:

Avoid raising dust. Keep away from naked flames/heat. Observe normal hygiene standards. Keep container tightly closed.

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

#### 7.2.1 Safe storage requirements:

Store in a dry area. Meet the legal requirements.

#### 7.2.2 Keep away from:

(Strong) acids, metals, water/moisture.

#### 7.2.3 Suitable packaging material:

No data available

#### 7.2.4 Non suitable packaging material:

Zinc, aluminium.

### 7.3 Specific end use(s):

If applicable and available, exposure scenarios are attached in annex. See information supplied by the manufacturer .

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters:

#### 8.1.1 Occupational exposure

##### a) Occupational exposure limit values

If limit values are applicable and available these will be listed below.

##### b) National biological limit values

If limit values are applicable and available these will be listed below.

#### 8.1.2 Sampling methods

If applicable and available it will be listed below.

#### 8.1.3 Applicable limit values when using the substance or mixture as intended

If limit values are applicable and available these will be listed below.

#### 8.1.4 DNEL/PNEC values

If applicable and available it will be listed below.

#### 8.1.5 Control banding

If applicable and available it will be listed below.

### 8.2 Exposure controls:

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

#### 8.2.1 Appropriate engineering controls

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Avoid raising dust. Keep away from naked flames/heat. Carry operations in the open/under local exhaust/ventilation or with respiratory protection.

### 8.2.2 Individual protection measures, such as personal protective equipment

Observe normal hygiene standards. Keep container tightly closed. Do not eat, drink or smoke during work.

#### a) Respiratory protection:

Insufficient ventilation: wear respiratory protection.

#### b) Hand protection:

Gloves.

- materials for protective clothing (good resistance)

Butyl rubber, natural rubber, neoprene, nitrile rubber, PVC.

#### c) Eye protection:

Safety glasses, In case of dust production: protective goggles.

#### d) Skin protection:

Protective clothing.

### 8.2.3 Environmental exposure controls:

See headings 6.2, 6.3 and 13

## SECTION 9: Physical and chemical properties

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

Physical form	Crystalline powder
Odour	Odourless
Odour threshold	Not applicable
Colour	White
Particle size	No data available
Explosion limits	No data available
Flammability	Non combustible
Log Kow	-6.19 ; Estimated value
Dynamic viscosity	No data available
Kinematic viscosity	No data available
Melting point	851 °C
Boiling point	Not applicable
Flash point	Not applicable
Evaporation rate	ether ; No data available
Vapour pressure	<0.1 hPa ; 20 °C
Relative vapour density	Not applicable
Solubility	water ; 22 g/100 ml
Relative density	2.5
Decomposition temperature	1600 °C
Auto-ignition temperature	No data available
Explosive properties	No chemical group associated with explosive properties
Oxidising properties	No chemical group associated with oxidising properties
pH	11.5 ; 5 %

#### Physical hazards

No physical hazard class

### 9.2 Other information:

Minimum ignition energy	Not applicable
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## SECTION 10: Stability and reactivity

### 10.1 Reactivity:

Substance has basic reaction.

### 10.2 Chemical stability:

Hygroscopic. Absorbs the atmospheric CO<sub>2</sub>.

### 10.3 Possibility of hazardous reactions:

Reacts on exposure to water (moisture) with (some) metals. Violent exothermic reaction with (some) metals. Reacts with (strong) oxidizers.

### 10.4 Conditions to avoid:

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Avoid raising dust. Keep away from naked flames/heat.

### 10.5 Incompatible materials:

(strong) acids, metals, water/moisture, aluminium, zinc.

### 10.6 Hazardous decomposition products:

Violent exothermic reaction with (some) acids: release of harmful gases/vapours (carbon dioxide). Upon combustion CO and CO<sub>2</sub> are formed.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects:

#### 11.1.1 Test results

#### Acute toxicity

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Route of exposure	Parameter	Method	Value	Exposure time	Species	Gender	Value determination
Oral	LD50		2800 mg/kg		Rat	Male/female	Experimental value
Oral	LDLo		714 mg/kg		Human		literature
Dermal	LD50		>2000 mg/kg		Rabbit		Experimental value
Inhalation	LC50		2.3 mg/l	2 h	Rat	Male	Experimental value

#### Conclusion

Low acute toxicity by the oral route

Low acute toxicity by the dermal route

Low acute toxicity by the inhalation route

#### Corrosion/irritation

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Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination
Eye	Irritating	EPA 16 CFR 1500.42		1; 2; 3; 4; 7; 10; 14 days	Rabbit	Experimental value
Eye	Highly irritating	Equivalent or similar to OECD 405		1; 24; 48; 72; 168 hours	Rabbit	Experimental value
Dermal	Not irritating	OECD 404		24; 48; 72 hours	Rabbit	Experimental value

#### Conclusion

Causes serious eye irritation.

Not classified as irritating to the skin

#### Respiratory or skin sensitisation

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No data available

#### Conclusion

No data available

#### Specific target organ toxicity

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No data available

#### Conclusion

No data available

#### Mutagenicity (in vitro)

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No data available

#### Mutagenicity (in vivo)

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No data available

#### Carcinogenicity

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No data available

### Reproductive toxicity

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No data available

#### Conclusion CMR

Not classified for carcinogenicity

Not classified for mutagenic or genotoxic toxicity (negative result)

Not classified for reprotoxic or developmental toxicity

### Toxicity other effects

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No data available

#### Conclusion

No data available

### 11.1.2 Other information

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No data available

## SECTION 12: Ecological information

### 12.1 Toxicity:

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	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50		300 mg/l	96 h	LEPOMIS MACROCHIRUS	STATIC SYSTEM	Fresh water	Experimental value
Acute toxicity invertebrates	EC50		200 mg/l	48 h	CERIODAPHNIA SP.	Semi-static	Fresh water	Experimental value
Toxicity algae and other aquatic plants	EC50		242 mg/l	5 day(s)	ALGAE			Experimental value

#### Conclusion

Slightly harmful to fishes (LC50(96h) 100/1000 mg/l)

Slightly harmful to invertebrates (EC50 (48h): 100 - 1000 mg/l)

Practically non-toxic to algae (EC50 >100 mg/l)

pH shift

### 12.2 Persistence and degradability:

#### Conclusion

Biodegradability: not applicable

### 12.3 Bioaccumulative potential:

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#### Log Kow

Method	Value	Temperature	Value determination
	-6.19		Estimated value

#### Conclusion

Bioaccumulation: not applicable

### 12.4 Mobility in soil:

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Volatil organic compounds (VOC)	Not applicable
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#### Conclusion

Exothermically soluble in water

### 12.5 Results of PBT and vPvB assessment:

Substance does not meet the screening criteria for persistency nor bioaccumulation so is neither PBT nor vPvB.

### 12.6 Other adverse effects:

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## Global warming potential (GWP)

No data available

## Ozone-depleting potential (ODP)

Ozone layer

Not dangerous for the ozone layer (Council Regulation (EC) no 1005/2009)

## SECTION 13: Disposal considerations

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

### 13.1 Waste treatment methods:

#### 13.1.1 Provisions relating to waste

Waste material code (Directive 2008/98/EC, decision 2001/118/EC).

16 05 07\* (discarded inorganic chemicals consisting of or containing dangerous substances). Depending on branch of industry and production process, also other EURAL codes may be applicable. Hazardous waste according to Directive 2008/98/EC.

#### 13.1.2 Disposal methods

Precipitate/make insoluble. Remove to an authorized dump (Class I). Remove waste in accordance with local and/or national regulations.

Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals.

Treat using the best available techniques before discharge into drains or the aquatic environment.

#### 13.1.3 Packaging/Container

Waste material code packaging (Directive 2008/98/EC).

15 01 10\* (packaging containing residues of or contaminated by dangerous substances).

## SECTION 14: Transport information

### Road (ADR)

#### 14.1 UN number:

Transport	Not subject
UN number	-

#### 14.2 UN proper shipping name:

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

Hazard identification number	
Class	
Classification code	

#### 14.4 Packing group:

Packing group	
Labels	

#### 14.5 Environmental hazards:

Environmentally hazardous substance mark	no
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#### 14.6 Special precautions for user:

Special provisions	
Limited quantities	N.A.

### Rail (RID)

#### 14.1 UN number:

Transport	Not subject
UN number	-

#### 14.2 UN proper shipping name:

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

Hazard identification number	
Class	
Classification code	

#### 14.4 Packing group:

Packing group	
Labels	

#### 14.5 Environmental hazards:

Environmentally hazardous substance mark	no
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#### 14.6 Special precautions for user:

Special provisions	
Limited quantities	

### Inland waterways (ADN)

#### 14.1 UN number:

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Transport	Not subject
UN number	-

14.2 UN proper shipping name:

14.3 Transport hazard class(es):

Class	
Classification code	

14.4 Packing group:

Packing group	
Labels	

14.5 Environmental hazards:

Environmentally hazardous substance mark	no
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14.6 Special precautions for user:

Special provisions	
Limited quantities	

### Sea (IMDG)

14.1 UN number:

Transport	Not subject
UN number	-

14.2 UN proper shipping name:

14.3 Transport hazard class(es):

Class	-
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14.4 Packing group:

Labels	
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14.5 Environmental hazards:

Marine pollutant	-
Environmentally hazardous substance mark	no

14.6 Special precautions for user:

Special provisions	
Limited quantities	

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:

Annex II of MARPOL 73/78	
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### Air (ICAO-TI/IATA-DGR)

14.1 UN number:

Transport	Not subject
UN number	-

14.2 UN proper shipping name:

14.3 Transport hazard class(es):

Class	
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14.4 Packing group:

Packing group	
Labels	

14.5 Environmental hazards:

Environmentally hazardous substance mark	no
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14.6 Special precautions for user:

Special provisions	
Cargo transport: maximum net quantity per packaging	Not applicable
Passenger and cargo transport: limited quantities: maximum net quantity per packaging	Not applicable

## SECTION 15: Regulatory information

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

#### European legislation:

European drinking water standards

Maximum concentration in drinking water: 200 mg/l (sodium) (Directive 98/83/EC)

### 15.2 Chemical safety assessment:

No chemical safety assessment has been conducted.

## SECTION 16: Other information

### Labelling according to Directive 67/548/EEC-1999/45/EC (DSD/DPD)

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Enumerated in substance list Annex I of directive 67/548/EEC et sequens

### Labels



Xi

### R-phrases

36 Irritating to eyes

### S-phrases

(02) (Keep out of the reach of children)

22 Do not breathe dust

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

### Full text of any R-phrases referred to under headings 2 and 3:

R36 Irritating to eyes

### Full text of any H-statements referred to under headings 2 and 3:

H319 Causes serious eye irritation.

(\*) = INTERNAL CLASSIFICATION BY BIG

PBT-substances = persistent, bioaccumulative and toxic substances

DSD Dangerous Substance Directive

DPD Dangerous Preparation Directive

CLP (EU-GHS) Classification, labelling and packaging (Globally Harmonised System in Europe)

The information in this safety data sheet is based on data and samples provided to BIG. The sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of the substances/preparations/mixtures mentioned under point 1. New safety data sheets are written from time to time. Only the most recent versions may be used. Old versions must be destroyed. Unless indicated otherwise word for word on the safety data sheet, the information does not apply to substances/preparations/mixtures in purer form, mixed with other substances or in processes. The safety data sheet offers no quality specification for the substances/preparations/mixtures in question.

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