

SECTION1. Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product code : SODIO CARBONATO An

Trades code : 100270

Chemical Name: sodium carbonate CAS: 497-19-8 - EC No: 207-838-8 - Index No: 011-005-00-2

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

Photographic Process

Sectors of use:

Professional use[SU22]

Product category:

Photochemicals

Process categories:

Mixing or blending in batch processes for formulation of preparations* and articles (multistage and/or significant contact)[PROC5]

Uses advised against

Do not use for purposes other than those listed

1.3. Details of the supplier of the safety data sheet

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1.4. Emergency telephone number

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SECTION2. Hazards identification**2.1. Classification of the substance or mixture**

CAS 497-19-8 CEE 011-005-00-2 EINECS 207-838-8

2.1.1 Classification according to Regulation (EC) No 1272/2008:

Pictograms:

GHS07

Hazard Class and Category Code(s):

Eye Irrit. 2

Hazard statement Code(s):

H319 - Causes serious eye irritation.

If brought into contact with eyes, the product, causes significant irritations which may last for more than 24 hours.

2.2. Label elements

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

Pictogram, Signal Word Code(s):

GHS07 - Warning

Hazard statement Code(s):

H319 - Causes serious eye irritation.

Supplemental Hazard statement Code(s):

not applicable

Precautionary statements:

Prevention



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In conformity to Regulation (EU) 2015/830

P280 - Wear protective gloves protective clothing eye protection face protection.

Response

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

2.3. Other hazards

The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII
No information on other hazards

SECTION3. Composition/information on ingredients**3.1 Substances**

Refer to paragraph 16 for full text of hazard statements

Substance	Concentration[w/w]	Classification	Index	CAS	EINECS	REACH
sodium carbonate	100%	Eye Irrit. 2, H319	011-005-00-2	497-19-8	207-838-8	

3.2 Mixtures

Irrelevant

SECTION4. First aid measures**4.1. Description of first aid measures**

Inhalation:

Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area.
If you feel unwell seek medical advice.

Direct contact with skin (of the pure product).:

Take contaminated clothing Immediately off.

Wash immediately with plenty of running water and possibly with soap, the areas of the body that have, or are only suspected to have, come in contact with the product.

Direct contact with eyes (of the pure product).:

Wash immediately and thoroughly with running water, keeping eyelids open for at least 10 minutes, then protect your eyes with a dry sterile gauze. Seek medical advice immediately

Do not use eye drops or ointments of any kind before the examination or advice from an oculist.

Ingestion:

Not hazardous. It's possible to give activated charcoal in water or liquid paraffin medicine

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

Eye irritation eye damage

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

If eye irritation persists: Get medical advice attention.

SECTION5. Firefighting measures**5.1. Extinguishing media**

Advised extinguishing agents:

Water spray, CO2, foam, dry chemical, depending on the materials involved in the fire.

Extinguishing means to avoid:

Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

5.2. Special hazards arising from the substance or mixture

No data available.

5.3. Advice for firefighters

Use protection for the breathing apparatus

Safety helmet and full protective suit.

The spray water can be used to protect the people involved in the extinction

You may also use selfrespirator, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)

Keep containers cool with water spray

SECTION6. Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

6.1.1 For non-emergency personnel:

Leave the area surrounding the spill or release. Do not smoke

Wear mask, gloves and protective clothing.

6.1.2 For emergency responders:

Eliminate all unguarded flames and possible sources of ignition. No smoking.

Provision of sufficient ventilation.

Evacuate the danger area and, in case, consult an expert.

6.2. Environmental precautions

Contain spill

Inform the competent authorities.

Discharge the remains in compliance with the regulations

6.3. Methods and material for containment and cleaning up

6.3.1 For containment:

Rapidly recover the product, wear a mask and protective clothing

Recover the product for reuse, if possible, or the removal.

6.3.2 For cleaning up:

After wiping up, wash with water the area and materials involved

6.3.3 Other information:

None in particular.

6.4. Reference to other sections

Refer to paragraphs 8 and 13 for more information

SECTION7. Handling and storage**7.1. Precautions for safe handling**

Wear protective gloves protective clothing eye protection face protection.

At work do not eat or drink.

See also paragraph 8 below.

7.2. Conditions for safe storage, including any incompatibilities

Keep in original container closed tightly. Do not store in open or unlabeled containers.

Keep containers upright and safe by avoiding the possibility of falls or collisions.

Store in a cool place, away from sources of heat and `direct exposure of sunlight.

7.3. Specific end use(s)

Professional use:

Photographic and cinematographic treatment

SECTION8. Exposure controls/personal protection**8.1. Control parameters**

Related to contained substances:

sodium carbonate:

Anyone.

8.2. Exposure controls



Appropriate engineering controls:

Professional use:

Not established

Individual protection measures:

(a) Eye / face protection

When handling the pure product use safety glasses (spectacles cage) (EN 166).

(b) Skin protection

(i) Hand protection

When handling the pure product use chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3)

(ii) Other

When handling the pure product wear full protective skin clothing.

(c) Respiratory protection

Not needed for normal use.

(d) Thermal hazards

No hazard to report

Environmental exposure controls:

Use according to good working practices to avoid pollution into the environment.

SECTION9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value	Determination method
Appearance	Powder	
Odour	undefined	
Odour threshold	undefined	
pH	11.10 ± 0.05 (Sol 4 %)	pH METRO
Melting point/freezing point	Irrilevant	
Initial boiling point and boiling range	Not determined	
Flash point	non flammable	ASTM D92
Evaporation rate	Not determined	
Flammability (solid, gas)	Irrilevant	
Upper/lower flammability or explosive limits	undefined	
Vapour pressure	Not determined	
Vapour density	Not determined	
Relative density	2.5	
Solubility	in water	
Water solubility	Complete	
Partition coefficient: n-octanol/water	Not determined	
Auto-ignition temperature	Not determined	
Decomposition temperature	Not determined	
Viscosity	not determined	
Explosive properties	not explosive	
Oxidising properties	non-oxidizing	

9.2. Other information

No data available.

SECTION 10. Stability and reactivity**10.1. Reactivity**

Related to contained substances:
sodium carbonate:
Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

None in particular

10.4. Conditions to avoid

Related to contained substances:
sodium carbonate:
Humidity

10.5. Incompatible materials

None in particular

10.6. Hazardous decomposition products

Nobody in particular

SECTION 11. Toxicological information**11.1. Information on toxicological effects**

- ATE oral = ∞
ATE dermal = ∞
ATE inhal = ∞
(a) acute toxicity: based on available data, the classification criteria are not met.
(b) skin corrosion/irritation based on available data, the classification criteria are not met.
(c) serious eye damage/irritation: If brought into contact with eyes, the product, causes significant irritations which may last for more than 24 hours.
(d) respiratory or skin sensitization: based on available data, the classification criteria are not met.
(e) germ cell mutagenicity: based on available data, the classification criteria are not met.
(f) carcinogenicity: based on available data, the classification criteria are not met.
(g) reproductive toxicity: based on available data, the classification criteria are not met.
(h) specific target organ toxicity (STOT) single exposure: based on available data, the classification criteria are not met.
(i) specific target organ toxicity (STOT) repeated exposure based on available data, the classification criteria are not met.
(j) aspiration hazard: based on available data, the classification criteria are not met.

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LD50 (rat) Oral (mg/kg body weight) = 2000

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 117

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 5200

Related to contained substances:

sodium carbonate:

INHALATION RISK: a harmful concentration of aerosolized particles can be reached quickly especially if powdered.

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In conformity to Regulation (EU) 2015/830

Effects of short-term EXPOSURE: the substance is irritating to eyes, skin and respiratory tract.
Effects of long-term or REPEATED EXPOSURE: the substance may have effects on the respiratory tract, causing perforation of the nasal septum. Repeated or prolonged contact with skin may cause dermatitis.
Acute hazards/symptoms inhalation: cough. Sore throat.
Skin: Redness.
Ingestion: burning sensation in the throat and chest. Abdominal pain.
LD50 (rat) Oral (mg/kg body weight) = 2000
LD50 Dermal (rat or rabbit) (mg/kg body weight) = 117
CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 5200

SECTION12. Ecological information**12.1. Toxicity**

Related to contained substances:
sodium carbonate:

Fish, *Lepomis macrochirus*, LC 50, 96 H, 300 mg/l
Crustaceans, *Daphnia magna*, EC 50, 48 H, 265 mg/l 50,
algae, *Nitzschia linearis*, EC 5 Days, 242 mg/l

Use according to good working practices to avoid pollution into the environment.

12.2. Persistence and degradability

Water, hydrolysis, degradation: calcium carbonate (pH > 10)/bicarbonate (pH 6-10)/carbonico/carbon dioxide acid (pH < 6)
Ground score: hydrolysis as a function of pH

12.3. Bioaccumulative potential

Result: not applicable (product ionizable inorganic)

12.4. Mobility in soil

Insignificant adsorption

12.5. Results of PBT and vPvB assessment

No PBT/vPvB ingredient is present

12.6. Other adverse effects

No adverse effects

SECTION13. Disposal considerations**13.1. Waste treatment methods**

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies.

Recover if possible. Operate according to local or national regulations

SECTION14. Transport information**14.1. UN number**

Not included in the scope of application regulations concerning the transport of dangerous goods: by road (ADR); by rail (RID); by air (ICAO / IATA); by sea (IMDG).

14.2. UN proper shipping name

None

14.3. Transport hazard class(es)

None

14.4. Packing group

None

14.5. Environmental hazards

None

14.6. Special precautions for user

No data available.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

It is not intended to carry bulk

SECTION15. Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Legislative Decree. 02/03/1997 n. 52 (Classification, packaging and labeling of dangerous substances). Legislative Decree 14/03/2003 n. 65 (Classification, packaging and labeling of dangerous substances). Legislative Decree. 02/02/2002 n. 25 (Risks related to chemical agents at work). D.M. 26/02/2004 Work (Exposure Limits Professional); D.M. 03/04/2007 (Implementation of Directive n. 2006/8 / EC). Regulation (EC) No. 1907/2006 (REACH), Regulation (EC) No. 1272/2008 (CLP), Regulation (EC) 790 / 2009.D.Lgs. September 21, 2005 n. 238 (Seveso Ter). REGULATION (EU) No 1357/2014 - waste:
HP4 - Irritant — skin irritation and eye damage

15.2. Chemical safety assessment

The supplier has made an assessment of chemical safety

SECTION16. Other information**16.1. Other information**

Points modified compared to previous release: 2.3. Other hazards, 10.4. Conditions to avoid, 12.5. Results of PBT and vPvB assessment

Description of the hazard statements exposed to point 3

H319 = Causes serious eye irritation.

Main normative references:

Directive 1999/45/EC

Directive 2001/60/EC

Regulation 1272/2008/EC

Regulation 2010/453/EC

Regolamento 529/2012 and subsequent updates

This data sheet cancels and replaces any previous edition.