

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

**1.1. Product identifier**

Product code : POTASSIO CARBONATO REACH N. 01-2119532646-36-0010

Trades code : 100230

Chemical Name: Potassium Carbonate an. CAS: 584-08-7 - EC No: 209-529-3 - REACH: 01-2119532646-36-0010

**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**

BELLINI FOTO S.r.l.

VIA FERRIERA, 68 - 06089 - TORGIANO - PERUGIA

ITALY

Tel +39 075 985 174 Fax +39 075 985 288

E-mail:info@bellinifoto.it - Web: www.bellinifoto.it

E-mail technical assistance: enrico.pompili@bellinifoto.it

Produced by

BELLINI FOTO S.r.L.

Via Ferriera, 68 06089 TORGIANO - PG - ITALY Tel. +39 075 985174

**1.4. Emergency telephone number**

Bellini Foto S.r.l. (PG) - Tel . +39 075 985 174

**SECTION2. Hazards identification**

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

CAS 584-08-7 EINECS 209-529-3 REACH 01-2119532646-36-0010

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

Pictograms:

GHS07

Hazard Class and Category Code(s):

Skin Irrit. 2, Eye Irrit. 2, STOT SE 3

Hazard statement Code(s):

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H335 - May cause respiratory irritation.

If brought into contact with eyes, the product causes irritations which may last for over 24 hours, if brought into contact with the skin, it causes inflammation and, if inhaled causes irritation to the respiratory tract.

**2.2. Label elements**

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

Pictogram, Signal Word Code(s):

GHS07 - Warning

Hazard statement Code(s):

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.



H335 - May cause respiratory irritation.  
Supplemental Hazard statement Code(s):  
not applicable

Precautionary statements:

Prevention

P261 - Avoid breathing dust, fume, gas, mist, vapours, spray.

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

Response

P312 - Call a POISON CENTER/doctor/... if you feel unwell.

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

Disposal

P501 - Dispose of contents and container in accordance with the laws in force

Contains:

Potassium Carbonate an.

### 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
Potassium Carbonate an.	>= 60 < 100%	Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335		584-08-7	209-529-3	01-2119532 646-36-001 0

### 3.2 Mixtures

Irrilevant

## 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 room.  
CALL A PHYSICIAN.

If breathing has stopped, give artificial respiration.

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

Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.

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

If skin irritation occurs: Get medical advice attention.  
If eye irritation persists: Get medical advice attention.  
Call a POISON CENTER/doctor/... if you feel unwell.

### **SECTION5. Firefighting measures**

#### **5.1. Extinguishing media**

Advised extinguishing agents:  
Water spray, CO<sub>2</sub>, 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.  
In residential areas do not use on large surfaces.  
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

## SECTION 8. Exposure controls/personal protection

### 8.1. Control parameters

- Substance: Potassium Carbonate an.

DNEL

Local effects Long term Workers inhalation = 10

Local effects Long term Workers dermal = 16 (mg/kg bw/day)

Local effects Long term Consumers dermal = 8 (mg/kg bw/day)

Local effects Long term Consumers inhalation = 10 (mg/m<sup>3</sup>)

### 8.2. Exposure controls



Appropriate engineering controls:

Professional use:

Not established

Individual protection measures:

(a) Eye / face protection

Wear mask

(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

Use adequate protective respiratory equipment (EN 14387:2008)

(d) Thermal hazards

No hazard to report

Environmental exposure controls:

Related to contained substances:

Potassium Carbonate an.:

At work do not eat, don't drink, don't smoke.

Respiratory protection equipment

In the case of recommended use of dust mask.

Hand protection

Wear rubber gloves approved according to EN374.

Eye protection

Safety glasses with side-shields (EN 166).

Additional information about design of technical systems

Workplaces must be adequately ventilated. Where possible, install sources of local exhaust air replacement systems and effective General. If these measures are not sufficient to maintain concentrations of particulate materials and solvent vapours below the exposure limit, you will need to make use of adequate respiratory protection.

## SECTION 9. Physical and chemical properties

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

In conformity to Regulation (EU) 2015/830

Physical and chemical properties	Value	Determination method
Appearance	Powder	
Odour	Not determined	
Odour threshold	undefined	
pH	12.00 Sol 100 gr / Lt	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	2.29 gr / cm <sup>3</sup>	
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:  
Potassium Carbonate an.:  
No hazardous reactions if stored and used properly.

### 10.2. Chemical stability

The product stable under recommended conditions of storage and use

### 10.3. Possibility of hazardous reactions

Contact with acids react by releasing CO<sub>2</sub>.

### 10.4. Conditions to avoid

Related to contained substances:  
Potassium Carbonate an.:  
Avoid moisture

### 10.5. Incompatible materials

Reacts violently with acids CO<sub>2</sub> development contact.

### 10.6. Hazardous decomposition products

You can form carbon oxides and potassium oxides.

## SECTION 11. Toxicological information

### 11.1. Information on toxicological effects

ATE oral = ∞

ATE dermal = ∞

ATE inhal = ∞

(a) acute toxicity: Potassium Carbonate an.: Cause irritation to the mouth, throat, stomach and gastrointestinal problems

(b) skin corrosion/irritation: If brought into contact with the skin, the product causes significant inflammation with erythema, scabs, or edema.

Potassium Carbonate an.: Corrosion on contact with the eyes and can cause severe burns and deep ulcerations that can leave scars

Potassium Carbonate an.: Causes skin irritation.

(c) serious eye damage/irritation: If brought into contact with eyes, the product, causes significant irritations which may last for more than 24 hours.

Potassium Carbonate an.: The seriousness of the injury depends on the concentration of the product, by time and temperature

Potassium Carbonate an.: Causes serious eye irritation.

(d) respiratory or skin sensitization: Potassium Carbonate an.: May cause slight irritation.

(e) germ cell mutagenicity: Potassium Carbonate an.: The concentration that can produce mutagenic effects strongly elevated. On the basis of the limited mutagenicity found in animals, the risk of genetic damage on humans is considered insignificant.

(f) carcinogenicity: Potassium Carbonate an.: Not reported evidence of this effect

(g) reproductive toxicity: Potassium Carbonate an.: Not reported evidence of such an effect.

(h) specific target organ toxicity (STOT) single exposure: If inhaled the product, causes irritations to the respiratory tract.

(i) specific target organ toxicity (STOT) repeated exposure: based on available data, the classification criteria are not met.

(j) aspiration hazard: Potassium Carbonate an.: Cause irritation to the respiratory tract.

POTASSIO CARBONATO:

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

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2000

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 5

Related to contained substances:

Potassium Carbonate an.:

The product may have harmful effects on human health.

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

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2000

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 5

## SECTION 12. Ecological information

### 12.1. Toxicity

POTASSIO CARBONATO:

C(E)L50 (mg/l) = 200

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

### 12.2. Persistence and degradability

Specific information is not available on this product.

### 12.3. Bioaccumulative potential

Unpredictable potential for bioaccumulation.

**12.4. Mobility in soil**

Data not available

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

This product does not, or does not contain a substance called PBT or vPvB

**12.6. Other adverse effects**

Specific information is not available on this product.

**SECTION 13. 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. Send to authorized discharge plants or for incineration under controlled conditions. Operate according to local and National rules in force

**SECTION 14. 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

**SECTION 15. Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

EU Regulation 286/2011 (amending, for the purposes of adaptation to scientific and technical progress (ATP) of the Regulation no. 1272/2008 / EC).

Directive 67/548 / EEC (Classification, Packaging and Labeling of dangerous substances) and subsequent

amendments.

Directive 1999/45 / EC (Classification, Packaging and Labeling of dangerous preparations) and subsequent amendments.

Regulation no. 1907/2006 / EC (REACH).

Regulation no. 1272/2008 / EC (CLP).

Regulation no. 790/2009 / EC (amending, for the purposes of adaptation to scientific and technical progress, ATP

Regulation no. 1272/2008 / EC).

EU Regulation 286/2011 (amending, for the purposes of adaptation to scientific and technical progress (ATP) of the

Regulation no. 1272/2008 / EC).

EU Regulation 618/2012 (amending, for the purposes of adaptation to scientific and technical progress (ATP) of the

Regulation no. 1272/2008 / EC).

EU Regulation 487/2013 (amending, for the purposes of adaptation to scientific and technical progress (ATP) of the

Regulation no. 1272/2008 / EC).

Regulation 830/2015 / EU (amending Regulation (EC) no. 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)

Legislative Decree. 02/03/1997 n. 52 (Classification, packaging and labeling of dangerous substances). Legislative Decree.

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

HP5 - Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

### **15.2. Chemical safety assessment**

The supplier has made an assessment of chemical safety

## **SECTION 16. Other information**

### **16.1. Other information**

Points modified compared to previous release: 2.3. Other hazards, 10.4. Conditions to avoid

Description of the hazard statements exposed to point 3

H315 = Causes skin irritation.

H319 = Causes serious eye irritation.

H335 = May cause respiratory 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.