

## Sodium carbonate

31432-1KG

Version 1.3

Revision Date 13.06.2022

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

#### 1.1. Product identifier

Product name : Sodium carbonate  
SDS-number : 000000020724  
Type of product : Substance  
Remarks : SDS according to Art. 31 of Regulation (EC) 1907/2006.  
In accordance to the Article 14 (1) of the REACH Regulation  
(EC) No 1907/2006, exposure estimation and risk  
characterisation is not required.

Chemical name : sodium carbonate

Index-No. : 011-005-00-2

REACH Registration  
Number : no data available

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

Use of the  
Substance/Mixture : Laboratory chemicals

Uses advised against : none

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

Company	: Honeywell International Inc. 115 Tabor Road 07950-2546 Morris Plains USA	Honeywell International, Inc. 115 Tabor Road Morris Plains, NJ 07950-2546 USA
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Telephone :  
For further information,  
please contact: : [SafetyDataSheet@Honeywell.com](mailto:SafetyDataSheet@Honeywell.com)

#### 1.4. Emergency telephone number

## Sodium carbonate

31432-1KG

Version 1.3

Revision Date 13.06.2022

Emergency telephone : +1-703-527-3887 (ChemTrec-Transport)  
number : +1-303-389-1414 (Medical)  
Country based Poison : see chapter 15.1  
Control Center

### SECTION 2: Hazards identification

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

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

Eye irritation Category 2  
H319 Causes serious eye irritation.

#### 2.2. Label elements

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

Hazard pictograms :



Signal word : Warning

Hazard statements : H319 Causes serious eye irritation.

Precautionary statements : P280 Wear protective gloves/ eye protection/  
face 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.  
P308 + P313 IF exposed or concerned: Get medical  
advice/ attention.

#### 2.3. Other hazards

None known. Results of PBT and vPvB assessment, see chapter 12.5.

### SECTION 3: Composition/information on ingredients

## Sodium carbonate

31432-1KG

Version 1.3

Revision Date 13.06.2022

### 3.1. Substance

Chemical name	CAS-No. Index-No. REACH Registration Number EC-No.	Classification 1272/2008	Concentration	Remarks
sodium carbonate	497-19-8 011-005-00-2 207-838-8	Eye Irrit. 2; H319	<= 100 %	

### 3.2. Mixture

Not applicable

Occupational Exposure Limit(s), if available, are listed in Section 8.  
For the full text of the H-Statements mentioned in this Section, see Section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

*General advice:*

First aider needs to protect himself. Move out of dangerous area. Immediately take off contaminated clothing and rinse body with plenty of water. Show this safety data sheet to the doctor in attendance.

*Inhalation:*

If breathed in, move person into fresh air. If symptoms persist, call a physician.

*Skin contact:*

After contact with skin, wash immediately with plenty of water. If symptoms persist, call a physician.

*Eye contact:*

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Protect unharmed eye. Remove contact lenses. Call a physician immediately.

*Ingestion:*

When swallowed, allow water to be drunk. Call a physician immediately.

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

## Sodium carbonate

31432-1KG

Version 1.3

Revision Date 13.06.2022

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No data available

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

No data available

See Section 11 for more detailed information on health effects and symptoms.

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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

*Suitable extinguishing media:*

Water spray

Foam

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

Dry powder

*Extinguishing media which shall not be used for safety reasons:*

High volume water jet

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

The product is not flammable.

In case of fire hazardous decomposition products may be produced such as:

Carbon monoxide

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

Sodium oxides

### 5.3. Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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## SECTION 6: Accidental release measures

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

Wear personal protective equipment. Unprotected persons must be kept away. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing.

## Sodium carbonate

31432-1KG

Version 1.3

Revision Date 13.06.2022

---

### 6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided. Do not flush into surface water or sanitary sewer system. Do not allow run-off from fire fighting to enter drains or water courses.

### 6.3. Methods and materials for containment and cleaning up

Use mechanical handling equipment.  
Pick for disposal in tightly closed containers

### 6.4. Reference to other sections

For personal protection see section 8.

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

*Advice on safe handling:*

Wear personal protective equipment. Use only in well-ventilated areas. Avoid dust formation. Do not swallow. Avoid breathing dust. Avoid contact with skin, eyes and clothing.

*Advice on protection against fire and explosion:*

Normal measures for preventive fire protection.

*Hygiene measures:*

Remove and wash contaminated clothing before re-use. Wash hands before breaks and at the end of workday.

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

*Requirements for storage areas and containers:*

Store in original container. Keep container tightly closed in a dry and well-ventilated place. Protect from atmospheric moisture and water.

### 7.3. Specific end use(s)

no additional data available

## Sodium carbonate

31432-1KG

Version 1.3

Revision Date 13.06.2022

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

##### DNEL/ PNEC-Values

Component	End-use/impact	Exposure duration	Value	Exposure routes	Remarks
sodium carbonate	Workers / Long-term local effects		10 mg/m3	Inhalation	
sodium carbonate	Consumers / Long-term local effects		5 mg/m3	Inhalation	

No PNEC data available.

#### 8.2. Exposure controls

##### Occupational exposure controls

The Personal Protective Equipment must be in accordance with EN standards:respirator EN 136, 140, 149; safety glasses EN 166; protective suit: EN 340, 463, 468, 943-1, 943-2; gloves EN 374, 511; safety shoes EN-ISO 20345.

Ensure that eyewash stations and safety showers are close to the workstation location.

Do not breathe dust.

##### Engineering measures

Local exhaust

##### Personal protective equipment

*Respiratory protection:*

In the case of dust or aerosol formation use respirator with an approved filter.

*Hand protection:*

Glove material: Natural Latex

Break through time: > 480 min

## Sodium carbonate

31432-1KG

Version 1.3

Revision Date 13.06.2022

Glove thickness: 0,6 mm

Lapren®706

Gloves must be inspected prior to use.

Replace when worn.

Remarks: Supplementary note: The specifications are based on information and tests from similar substances by analogy.

Due to varying conditions ( e.g.temperature or other strains) it must be considered that the usage of a chemical protective glove in practice may be much shorter than the permeation time determined in accordance with EN 374.

Since actual conditions of practical use often deviate from standardised conditions according EN 374 the glove manufacturer recommends to use the chemical protective glove in practice not longer than 50% of the recommended permeation time.

Manufacturer's directions for use should be observed because of great diversity of types .

Suitable gloves tested according EN 374 are supplied e.g. from KCL GmbH, D-36124 Eichenzell, Vertrieb@kcl.de

*Eye protection:*

Safety goggles

*Skin and body protection:*

Protective suit

### Environmental exposure controls

Handle in accordance with local environmental regulations and good industrial practices.

## SECTION 9: Physical and chemical properties

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

Physical state	:	solid
Colour	:	white
Odour	:	odourless
molecular weight	:	105,99 g/mol
Melting point/range	:	ca. 854 °C
Flammability	:	The product is not flammable.

## Sodium carbonate

31432-1KG

Version 1.3

Revision Date 13.06.2022

Upper explosion limit	:	Not applicable
Lower explosion limit	:	Not applicable
Flash point	:	Not applicable
Auto-ignition temperature	:	Not applicable
Decomposition temperature	:	> 400 °C Decomposition temperature No decomposition if used as directed.
pH	:	11,3 Concentration: 10 g/l at 20 °C
Auto-ignition temperature	:	not auto-flammable
Viscosity, kinematic	:	Not applicable
Water solubility	:	ca. 212 g/l at 20 °C
Partition coefficient: n-octanol/water	:	No data available
Vapour pressure	:	No data available
Density	:	ca. 2,53 g/cm <sup>3</sup> at 20 °C
Bulk density	:	500 - 800 kg/m <sup>3</sup>
Relative vapour density	:	No data available

### 9.2 Other Information

Oxidizing properties	:	The substance or mixture is not classified as oxidizing.
Evaporation rate	:	No data available



## Sodium carbonate

31432-1KG

Version 1.3

Revision Date 13.06.2022

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Viscosity, dynamic : Not applicable

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Stable under normal conditions.

#### 10.2. Chemical stability

> 400 °C

Decomposition temperature

No decomposition if used as directed.

#### 10.3. Possibility of hazardous reactions

Exothermic reaction with strong acids.

Hazardous polymerisation does not occur.

#### 10.4. Conditions to avoid

Protect from atmospheric moisture and water.

#### 10.5. Incompatible materials

Strong acids

#### 10.6. Hazardous decomposition products

In case of fire hazardous decomposition products may be produced such as:

Carbon monoxide

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

Sodium oxides

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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

*Acute oral toxicity:*

LD<sub>50</sub>

Species: Rat

## Sodium carbonate

31432-1KG

Version 1.3

Revision Date 13.06.2022

Value: 2.800 mg/kg

*Acute dermal toxicity:*

LD50

Species: Rabbit

Value: > 2.000 mg/kg

*Acute inhalation toxicity:*

LC50

Species: Rat

Value: 2,3 mg/l

Exposure time: 2 h

*Skin irritation:*

Species: Rabbit

Result: No skin irritation

Exposure time: 24 h

*Eye irritation:*

Species: Rabbit

Result: Irritating to eyes.

*Respiratory or skin sensitisation:*

No data available

*Carcinogenicity:*

Note: No data available

*Germ cell mutagenicity:*

Note: Not classified due to data which are conclusive although insufficient for classification.

*Reproductive toxicity:*

Remarks: Not classified due to data which are conclusive although insufficient for classification.

*Aspiration hazard:*

No data available

### 11.2. Information on other hazards

Endocrine disrupting properties

No data available

*Other information:*

## Sodium carbonate

31432-1KG

Version 1.3

Revision Date 13.06.2022

Irritating to mucous membranes

### SECTION 12: Ecological information

#### 12.1. Toxicity

*Toxicity to fish:*

LC50

Species: *Lepomis macrochirus* (Bluegill sunfish)

Value: 300 mg/l

Exposure time: 96 h

*Toxicity to aquatic plants:*

No data available

*Toxicity to Microorganisms:*

No data available

*Toxicity to aquatic invertebrates:*

EC50

Species: *Daphnia magna* (Water flea)

Value: 265 mg/l

Exposure time: 48 h

EC50

semi-static test

Species: *Ceriodaphnia* (water flea)

Value: 220 - 227 mg/l

Exposure time: 48 h

#### 12.2. Persistence and degradability

*Biodegradability:*

The methods for determining the biological degradability are not applicable to inorganic substances.

#### 12.3. Bioaccumulative potential

Does not bioaccumulate.

#### 12.4. Mobility in soil

## Sodium carbonate

31432-1KG

Version 1.3

Revision Date 13.06.2022

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No data available

### 12.5. Results of PBT and vPvB assessment

No data available

### 12.6. Endocrine disrupting properties

No data available

### 12.7. Other adverse effects

Do not flush into surface water or sanitary sewer system.

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

*Product:*

Dispose according to legal requirements.

*Packaging:*

Legal requirements are to be considered in regard of reuse or disposal of used packaging materials

*Further information:*

Provisions relating to waste:  
EC Directive 2006/12/EC; 2008/98/EEC  
Regulation No. 1013/2006

For personal protection see section 8.

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## SECTION 14: Transport information

### 14.1 UN number

ADR/RID:Not dangerous goods    IMDG:Not dangerous goods    IATA:Not dangerous goods

### 14.2 UN proper shipping name

ADR/RID:Not dangerous goods  
IMDG:Not dangerous goods  
IATA:Not dangerous goods

### 14.3 Transport hazard class(es)

### 14.4 Packaging group

## Sodium carbonate

31432-1KG

Version 1.3

Revision Date 13.06.2022

### 14.5 Environmental hazards

ADR/RID: no

Marine pollutant: no

### 14.6 Special precautions for user

No data available

### 14.7 Maritime transport in bulk according to IMO instruments

No data available

## SECTION 15: Regulatory information

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

Basis	Value	Remarks
Substances of very high concern (SVHC)		This product does not contain substances of very high concern according to Regulation (EC) No Article 57 above the respective regulatory 1907/2006 (REACH), concentration limit of $\geq 0.1\%$ (w/w).
Directive 2012/18/EC SEVESO III		Not applicable

### Poison Control Center

Country	Phone Number
Austria	+4314064343
Belgium	070 245245
Bulgaria	(+)35929154233
Croatia	(+3851)23-48-342
Cyprus	+357 2240 5611
Czech Republic	+420224919293; +420224915402
Denmark	82121212
Estonia	16662; (+372)6269390

Country	Phone Number
Liechtenstein	+41 442515151
Lithuania	+370532362052
Luxembourg	070245245; (+352)80002-5500
Malta	+356 2395 2000
Netherlands	030-2748888
Norway	22591300
Poland	+48 42 25 38 400
Portugal	800250250

## Sodium carbonate

31432-1KG

Version 1.3

Revision Date 13.06.2022

Finland	9471977
France	+33(0)145425959
Greece	+30 210 779 3777
Hungary	(+36-80)201-199
Iceland	5432222
Ireland	+353(1)8092166
Italy	0382 24444
Germany	Berlin : 030/19240
	Bonn : 0228/19240
	Erfurt : 0361/730730
	Freiburg : 0761/19240
	Göttingen : 0551/19240
	Homburg : 06841/19240
	Mainz : 06131/19240
Munich : 089/19240	
Latvia	+37167042473

Romania	+40 21 318 3606
Slovakia (NTIC)	+421 2 54 774 166
Slovenia	+386 1 400 6051
Spain	+34915620420
Sweden	112 (begär Giftinformation);+46104566786
Switzerland	145
United Kingdom	(+44) 844 892 0111

### Other inventory information

US. Toxic Substances Control Act  
On TSCA Inventory

Australia. Industrial Chemicals Act (AIC), as amended  
On the inventory, or in compliance with the inventory

Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL)  
All components of this product are on the Canadian DSL

Japan. Kashin-Hou Law List  
On the inventory, or in compliance with the inventory

Korea. Existing Chemicals Inventory (KECI)  
On the inventory, or in compliance with the inventory

Philippines. Inventory of Chemicals and Chemical Substances (PICCS)

## Sodium carbonate

31432-1KG

Version 1.3

Revision Date 13.06.2022

On the inventory, or in compliance with the inventory

China. Inventory of Existing Chemical Substances (IECSC)  
On the inventory, or in compliance with the inventory

New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand  
On the inventory, or in compliance with the inventory

Taiwan Chemical Substance Inventory (TCSI)  
On the inventory, or in compliance with the inventory

### 15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

### Text of H-statements referred to under heading 3

sodium carbonate : H319 Causes serious eye irritation.

### Further information

All directives and regulations refer to amended versions.  
Vertical lines in the left hand margin indicate a relevant amendment from the previous version.

Abbreviations:

EC European Community

CAS Chemical Abstracts Service

DNEL Derived no effect level

PNEC Predicted no effect level

vPvB Very persistent and very bioaccumulative substance

PBT Persistent, bioaccumulative und toxic substance

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other

**Sodium carbonate**

31432-1KG

Version 1.3

Revision Date 13.06.2022

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materials or in any process, unless specified in the text. Final determination of suitability of any material is the sole responsibility of the user.

This information should not constitute a guarantee for any specific product properties.

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