

SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Chemical type : Substance
 Name : EFFER-SODA[®] SODIUM BICARBONATE
 Trade name : EFFER-SODA[®] SODIUM BICARBONATE
 SDS CODE : E040

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

Use of the substance/preparation : Food/pharmaceutical products

1.2.2. Uses advised against

No reliable data available.

1.3. Details of the supplier of the safety data sheet

SPI Pharma
 Chemin du Vallon du Maire
 Septemes - France
 T 33 4 91 96 36 00 - F 33 4 91 65 39 03
CBlasquez@spipharma.com

1.4. Emergency telephone number

SPI Pharma (Not 24 hrs, business hours only) : 33 4 91 96 36 00

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
2.1.1. Classification according to Regulation (EC) No. 1272/2008 [CLP]

Eye Irrit. 2 H319
 Acute Tox. 4 (Inhalation) H332
 STOT SE 3 H335

Full text of H-phrases: see section 16.

2.1.2. Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

2.1.3. Adverse physicochemical, human health and environmental effects

No reliable data available.

2.2. Label elements
2.2.1. Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) : Warning

Hazard statements (CLP) : H319 - Causes serious eye irritation
 H332 - Harmful if inhaled
 H335 - May cause respiratory irritation

Precautionary statements (CLP) : P261 - Avoid breathing dust.
 P264 - Wash Hands thoroughly after handling.
 P271 - Use only outdoors or in a well-ventilated area
 P280 - Wear eye protection, face protection, protective clothing, protective gloves.
 P304+P340 - IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P312 - Call a POISON CENTER/doctor/physician if you feel unwell
 P337+P313 - If eye irritation persists: Get medical advice/attention
 P403+P233 - Store in a well-ventilated place. Keep container tightly closed
 P405 - Store locked up
 P501 - Dispose of contents/container to Comply with applicable local, national and international regulation..

2.2.2. Labelling according to Directive 67/548/EEC or 1999/45/EC

Extra phrases : Safety data sheet available for professional user on request

EFFER-SODA[®] SODIUM BICARBONATE

Safety Data Sheet

according to Regulation (EC) No. 453/2010

2.3. Other hazards

No reliable data available.

SECTION 3: Composition/information on ingredients

3.1. Substances

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Sodium bicarbonate (Main constituent)	(CAS No.) 144-55-8 (EC no) 205-633-8	83 - 92	Not classified
Sodium carbonate	(CAS No.) 497-19-8 (EC no) 207-838-8 (EC index no) 011-005-00-2	8 - 17	Xi; R36

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Full text of R-, H- and EUH-phrases: see section 16.

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: In case of accident by inhalation: remove casualty to fresh air and keep at rest.
First-aid measures after skin contact	: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.
First-aid measures after eye contact	: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
First-aid measures after ingestion	: If swallowed, do not induce vomiting: seek medical advice immediately and show this container label.

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

Symptoms/injuries after inhalation	: None known.
Symptoms/injuries after skin contact	: direct contact may cause. Irritating to skin.
Symptoms/injuries after eye contact	: Direct contact with the eyes is likely irritating.
Symptoms/injuries after ingestion	: None known.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:	: carbon dioxide (CO ₂), water, dry chemical powder.
Unsuitable extinguishing media	: None known.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Not combustible. minimal fire hazard. On combustion forms: carbon oxides (CO and CO ₂).
Explosion hazard	: No data available.
Reactivity	: No data available.

5.3. Advice for firefighters

Protective equipment for firefighters	: Extra personal protection: complete protective clothing including self-contained breathing apparatus. In case of fire: Wear self-contained breathing apparatus. Refer to section 8.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment	: Refer to section 8.
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6.1.2. For emergency responders

Protective equipment	: Refer to section 8.
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6.2. Environmental precautions

Prevent entry to sewers and public waters. Do not empty into drains or the aquatic environment.

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6.3. Methods and material for containment and cleaning up

- For containment : Contain and collect as any solid.
Methods for cleaning up : Sweep or shovel spills into appropriate container for disposal. Do not empty into drains or the aquatic environment. Flush residue with large amounts of water. Wear suitable protective clothing.

6.4. Reference to other sections

Refer to sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Avoid contact with skin, eye and clothing. Wash hands thoroughly after handling. Do not breathe dust.

7.2. Conditions for safe storage, including any incompatibilities

- Storage condition(s) : Keep container tightly closed. Store in well ventilated area.
Incompatible materials : Acids.

7.3. Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

- DNEL : No data available
PNEC : No data available

8.2. Exposure controls

- Appropriate engineering controls : Ensure adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Engineering controls are not usually necessary if good hygiene practices are followed.
Personal protective equipment : Safety glasses. Gloves. Protective clothing.



- Hand protection : Wear protective gloves.
Eye protection : safety glasses with side-shields.
Skin and body protection : Wear suitable protective clothing. Wear long sleeves.
Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Solid
Appearance : granular. Powder.
Molecular mass : Not available
Colour : white.
Odour : None.
Odour threshold : No data available
pH : 8.6-9.2 (1% solution)
Melting point : Not available
Solidification point : No data available
Boiling point : Not available °C
Flash point : not applicable
Relat. evapor. rate comp. to butylacetate : not applicable
Flammability (solid, gas) : No data available
Explosive limits : not applicable vol %
Vapour pressure : Not applicable.
Relative vapour density at 20 °C : not applicable
Relative density : No data available
Density : 2.2 g/cm³
Solubility : Water: 9 g/100ml at 20°C
Log Pow : No data available

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Self ignition temperature	: Not available
Decomposition temperature	: No data available
Viscosity	: Not available

9.2. Other information

No reliable data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No reliable data available.

10.4. Conditions to avoid

Keep away from acids.

10.5. Incompatible materials

Acids.

10.6. Hazardous decomposition products

Carbon oxides (CO, CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Serious eye damage/irritation	: Causes serious eye irritation.
Acute toxicity	: Harmful if inhaled.
Specific target organ toxicity (single exposure)	: May cause respiratory irritation.

EFFER-SODA® SODIUM BICARBONATE	
LD50 oral rat	4201 mg/kg
LD50 dermal rabbit	2210 mg/kg
LC50 inhalation rat (mg/l)	3.44 mg/l/4h
ATE (oral)	4090 mg/kg
ATE (dermal)	2210 mg/kg
ATE (dust,mist)	3.44 mg/l

Sodium carbonate (497-19-8)	
LD50 oral rat	4090 mg/kg
LD50 dermal rat	2210 mg/kg
LC50 inhalation rat (mg/l)	1.15 mg/l/4h
ATE (oral)	4090 mg/kg
ATE (dermal)	2210 mg/kg

Sodium bicarbonate (144-55-8)	
LD50 oral rat	4220 mg/kg
LC50 inhalation rat (mg/l)	4.74 mg/l/4h
ATE (oral)	4220 mg/kg

SECTION 12: Ecological information

12.1. Toxicity

Sodium carbonate (497-19-8)	
LC50 fishes 1	740 mg/l 96 h
EC50 Daphnia 1	265 mg/l 48 h (Daphnia magna)
EC50 other aquatic organisms 1	242 mg/l 120-h (Algae)

Sodium bicarbonate (144-55-8)	
LC50 fishes 1	770 mg/l 96 h
EC50 Daphnia 1	1640 mg/l 48 h (Daphnia magna)
EC50 other aquatic organisms 1	650 mg/l 120 h (Algae)

12.2. Persistence and degradability

EFFER-SODA® SODIUM BICARBONATE	
Persistence and degradability	No data available.

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12.3. Bioaccumulative potential

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Bioaccumulative Potential	No data available.
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12.4. Mobility in soil

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Ecology - soil	No data available.
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12.5. Results of PBT and vPvB assessment

EFFER-SODA® SODIUM BICARBONATE

Results of PBT assessment	No data available
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12.6. Other adverse effects

Other adverse effects : No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : dispose of contents/container to comply with applicable local, national and international regulations. Disposal must be done according to official regulations.

SECTION 14: Transport information

Not a dangerous good in sense of transport regulations.

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No reliable data available.

15.1.2. National regulations

No reliable data available.

15.2. Chemical safety assessment

No reliable data available.

SECTION 16: Other information

Sources of Key data : MSDS.

Abbreviations and acronyms : ACGIH (American Conference of Government Industrial Hygienists). ASTM - American Society for Testing and Materials . CAS (Chemical Abstracts Service) number. CLP - Classification, Labelling and Packaging. CSR: Chemical Safety Report. EC - European Community. EEC: European Economic Community. GHS - Globally Harmonised System. IARC (International Agency for Research on Cancer). Overland transport (ADR). PVC (Polyvinyl chloride). REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. SDS - Safety Data Sheet.

Full text of R-, H- and EUH-phrases:

Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation) Category 4
Eye Irrit. 2	Serious Eye Damage/Irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
R36	Irritating to eyes.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.