

Sodium Chloride**NAC02-NAC03****SECTION 1 Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Identification of the product : Raw material
Product code : NAC02 – NAC03
Trade name : Sodium Chloride
CAS number : 007647-14-5
Formula : NaCl

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

1.2.1 Relevant identified uses : For research purposes only
1.2.2 Uses advised against : No additional information available

1.3. Details of the supplier of the safety data sheet

Company identification : Formedium Ltd.
King's Lynn, England, PE31 6DJ
Tel: +44(0)1485 609069
Web: www.Formedium.com
E-mail: info@formedium.com

1.4. Emergency telephone number

Emergency telephone number : Tel: +44(0)1485 609069 (local time : 9.00 to 17.00)
NHS Direct 111 (UK, 24 hours), 112 (EU, 24 Hours)

SECTION 2 Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

Not regulated

2.2. Label elements**Labelling according to Regulation (EC) No. 1272/2008**

Hazards pictograms code : None
Precautionary statements : None

2.3 Other hazards

None under normal conditions.

Sodium Chloride**NAC02 – NAC03****SECTION 3 Composition/information on ingredients****Components** : This product is not classified as hazardous.

Substance name:	Contents	CAS No:	EC No:	Annex No:	Ref REACH	Classification
Sodium Chloride	> 90%	7647-14-5	231-598-3	--	--	Not classified

SECTION 4 First aid measures**4.1. Description of first aid measures**

- Inhalation** : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
- Skin contact** : Immediately take off contaminated clothing and wash skin with mild soap and plenty of water.
- Eye contact** : Rinse immediately carefully and thoroughly with eye-bath or water.
- Ingestion** : Immediately drink water. Seek medical attention if ill effect develops,

4.2. Most important symptoms and effects, both acute and delayed**Symptoms / effects** : May cause eye irritation. May cause skin irritation. Tears. Nausea. Vomiting.**4.3. Indication of any immediate medical attention and special treatment needed**

No additional information available.

SECTION 5 Fire-fighting measures**5.1. Extinguishing media****Suitable extinguishing media** : All extinguishing media can be used.**5.2. Special hazards arising from the substance or mixture**

No additional information available.

5.3. Advice for firefighters

- Precautionary measures - fire** : Do not enter fire area without proper protective equipment, including self-contained breathing apparatus.
- Special procedures** : Use water spray or fog for cooling exposed containers.
Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous.

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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** : Equip cleanup crew with proper protection.**6.1.2. For emergency responders**

Provide adequate ventilation. Do not breathe dust.

6.2. Environmental precaution:

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up**Methods for cleaning up** : Take up mechanically, placing in appropriate containers for disposal. Clear contaminated areas thoroughly.**6.4. Reference to other sections**

For disposal see section 13.

SECTION 7 Handling and storage

7.1. Precautions for safe handling**General** : Avoid generation of dust. Do not breathe dust.
No special protection measures are necessary.**7.2. Conditions for safe storage, including any incompatibilities****Storage conditions** : Store in a dry, well ventilated area. Keep container closed when not in use.
Store at room temperature. Recommended storage temperature : < + 25°C**7.3. Specific end use(s)****Specific end use(s)** : For research purposes only

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2. Exposure controls**Eye protection** : Wear tightly sealed safety glasses (to European standard EN 156 or equivalent)**Skin protection** : Wear suitable protective clothing.**Hand protection** : In case of repeated or prolonged contact wear gloves, nitrile rubber (to European standard EN 374 or equivalent).**Respiratory protection** : Where excessive dust may result, wear approved mask. Type P1 (EN143)**General protective and hygiene Measures** : Immediately remove any contaminated clothing. Use protective skin cream before handling the product.

SECTION 9 Physical and chemical properties

9.1. Information on basic physical and chemical properties.**Appearance****Physical state at 20°C** : Solid**Colour** : White**Appearance** : Crystalline**Odour** : Odourless

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SECTION 9 Physical and chemical properties (continued)

Odour threshold	: No data available.
pH	: 6 - 8
pH solution	: 4.5 – 7.0 (100 g/L, 20°C)
Melting point	: 801 °C
Freezing point	: No data available.
Boiling point (°C)	: 1461 °C (10113 hPa)
Flash point (°C)	: No data available.
Evaporation rate (butylacetate=1)	: No data available.
Flammability range (vol % in air)	: No data available.
Explosion limits	: No data available.
Vapour pressure	: 1.3 hPa (865°C)
Relative vapour density (air = 1)	: No data available.
Relative Density	: 2.17 g/cm ³ (20°C)
Solubility in water	: 358 g/L (20°C)
Log P octanol / water at 20°C	: -3
Auto ignition temperature (°C)	: No data available.
Thermal decomposition (°C)	: No data available.
Explosive properties	: No data available.
Oxidising properties	: No data available.

9.2. Other informationBulk Density : 1140 kg/m³

SECTION 10 Stability and reactivity

10.1. Reactivity

No additional information available.

10.2. Chemical stability

Stable under normal conditions of storage, handling and use.

10.3. Possibility of hazardous reactions

Stable under normal conditions

10.4. Conditions to avoid

Moisture.

10.5. Incompatible materials

Materials to avoid : Alkali metals.

10.6. Hazardous decomposition products

No additional information available.

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SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: This product is not classified.
Rat oral LD50 (mg/Kg)	: 3000
Rabbit dermal LD50 (mg/Kg)	: >10000
Rat inhalation LC50 (mg/L)	: > 42 g/m ³ (1 hour)
Skin corrosion / irritation	: Not classified pH: 4.5 – 7 (100 g/l, 20°C)
Serious eye damage / irritation	: Not classified pH: 4.5 – 7 (100 g/l, 20°C)
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT – single exposure	: Not classified
STOT – repeated exposure	: Not classified
Aspiration hazard	: Not classified

11.2. Additional Information

Endocrine disrupting properties :

The Substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 12 Ecological information

12.1. Toxicity**LC50 Fish 1**

7650 mg/l Pimephales promelas (fathead minnow) (96h)

EC50 Daphnia 1

1000 mg/l EC50 48h – Daphnia magna (big water flea) (48h)

12.2. Persistence and degradability

Not applicable to inorganic substances.

12.3. Bioaccumulative potential

Log Pow -3

12.4. Mobility in soil

No additional information available.

12.5. Results of PBT and vPvB assessment

No additional information available.

12.6. Other adverse effects

No data available.

Ecological effects information : No data available.

12.7. Endocrine disrupting properties

The Substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Sodium Chloride**NAC02 – NAC03****SECTION 13 Disposal considerations****13.1. Waste treatment methods****General**

Dispose in a safe manner in accordance with local / national regulations.

SECTION 14 Transport information**14.1. UN Number**

Not applicable

General information

: Not classified as dangerous in the meaning of transport regulations.

14.2. UN Proper shipping name

Not applicable.

14.3. Transport Hazard Class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Not applicable.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

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

This safety datasheet complies with the requirements of Regulation (EU) No. 2015/830.

15.2. Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

SECTION 16 Other information**Further information**

: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Formedium Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product.

Revision

: Complete SDS revision

End of document