

Material Safety Data Sheet
1907/2006/EG, Article 31

Natrium Hypochlorite 3%

Edition: June 6th 2012 / Version 1.0
Product name: Sodium Hypochlorite Solution 3%

1. Identification of the substance/mixture and of the company/undertaking

Product name : Natrium Hypochlorite 3%
Product code : 900-8400
CAS-number : 7681-52-9
EC-number : 231-668-3

Distributed by: Distribuido por:
Distribue par: Vertrieb durch

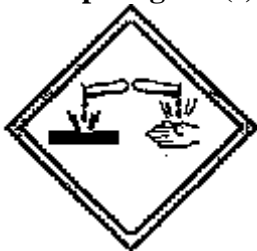
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2. Hazards identification

Classification according to Regulation (EG) nr. 1272/2008

Hazard pictogram(s):



GHS05 Corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Classification according to Directive 67/548/EEG or Directive 1999/45/EG Not applicable



R36/38: Irritating to eyes and skin
R31: Contact with acids liberates toxic gas

Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the “General Classification guideline for preparations of the EU” in de latest valid version.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

Label elements

Labelling according to Regulation (EG) nr. 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictogram(s)



GHS05

Signal word Danger

Hazard-determining components of labelling:

Sodium Hypochlorite, solution

Hazard statements

H315 Causes skin irritation.
H318 Causes serious eye damage.

Precautionary statements

P280	Wear protective gloves/protective clothing/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.
P310	Immediately call a POISON CENTER or doctor/physician
P321	Specific treatment (see on this label).
P362	Take off contaminated clothing and wash before use.
P332+P313	If skin irritation occurs: Get medical advice/attention.

Other hazards

Results of PBT- and vPvB-assessment

PBT: Not applicable

vPvB: Not applicable

3. Composition/information on ingredients

Chemical characterisation: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:		
CAS: 7681-52-9 EINECS: 231-668-3	Sodium Hypochlorite, solution C R34; N R50 R31 S 1/2-28-45-50-61 Skin Corr. 1B, H314; Aquatic Acute 1, H400	2,5-10%

Additional information:

For the wording of the listed risks phrases refer to section 16.

4. First aid measures

Description of first aid measures

After inhalation

Supply fresh air; consult doctor in case of complaints.

After skin contact

Generally the product does not irritate the skin.

After eye contact

Rinse opened eye for several minutes under running water.

After swallowing:

If symptoms persist consult doctor.

Information for physician:

Most important symptoms and effects, both acute and delayed:

No further relevant information available.

Indication of any immediate medical attention and special treatment needed:
No further relevant information available.

5. Fire fighting measures

Extinguishing media

Suitable extinguishing agents

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture

No further relevant information available.

Advice for fire-fighters

Protective equipment

No special measures required.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Not required.

Environmental precautions

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Reference to other sections

See section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See section 13 for disposal information.

7. Handling and storage

Handling:

Precautions for safe handling

No special precautions are necessary if used correctly.

Information about fire-and explosion protection

No special measures required.

Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles

No special requirements

Information about storage in one common storage facility

Not required

Further information about storage conditions

None

Specific end use(s)

No further relevant information available.

8. Exposure controls

Additional information about design of technical facilities

No further data; see item 7.

Control parameters

Ingredients with limit values that require monitoring at the workplace

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

Additional information

The lists valid during the making were used as basis.

Exposure controls

Personal protective equipment:

General protective and hygienic measures

Wash hands before breaks and at the end of work.

Respiratory protection

Not required

Protection of hands:



Safety gloves

The glove material has to be impermeable and resistant tot the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the substance/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer tot manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Safety goggles

Goggles recommended during refilling.

9. Physical and chemical properties

Physical form at 20°C	: Liquid
Colour	: Light green
Odour	: Chlorine-like
pH-value	: Not determined
Change in condition	
Melting point/melting range	: Not determined
Boiling point/boiling range	: Not determined
Flash point	: Not applicable
Self-igniting	: Product is not self igniting.
Danger of explosion	: Product does not present an explosion hazard
Vapour pressure at 20 °C	: 23 hPa
Density at 20 °C	: 1,01 g/cm ³
Solubility in water at 20 °C	: Fully miscible
Organic solvents	: 0,0 %
Water	: 97,0%.
Other information	: No further relevant information available

10. Stability and reactivity

Reactivity

Chemical stability

Thermal decomposition/ conditions to be avoided

No decomposition if used according to specifications.

Possibility of hazardous reactions

No dangerous reactions known.

Conditions to avoid

No further relevant information available

Incompatible materials

No further relevant information available

Hazardous decomposition products

No dangerous decomposition products known

11. Toxicological information

Information on toxicological effects

Acute toxicity:

Primary irritant effect:

On the skin:

Irritant to skin and mucous membranes.

On the eye:

Irritating effect

Sensitization:

No sensitizing effects known.

12. Ecological information

Toxicity

Aquatic toxicity:

No further relevant information available

Persistence and degradability

No further relevant information available

Bio accumulative potential

No further relevant information available

Mobility in soil

No further relevant information available

Additional ecological information

General notes

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Results of PBT en vPvB-assessment:

PBT: Not applicable

vPvB: Not applicable

Other adverse effects

No further relevant information available

13. Disposal considerations

Waste treatment methods

Recommendation:

Must not be disposed together with Household garbage. Do not allow product to reach sewage system. Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

Uncleaned packaging

Recommendation:

Disposal must be made according to official regulations.

Recommended cleansing agents:

Water, if necessary together with cleansing agents.

14. Transport information

UN number : Void

ADR/ IMDG/ IATA : Void

UN proper shipping name

ADR, IMDG, IATA : Void

Transport hazard class(es)

ADR label : Void

IMDG, IATA

Class : Void

Packing group

ADR, IMDG, IATA : Void

Environmental hazards:

Marine pollutant : No

Special precautions for user : Not applicable

Transport in bulk according to

Annex II of MARPOL 73/78 and the

IBC-code : Not applicable

UN "Model Regulation" : -

15. Regulatory information

Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

16. Other information

Material Safety Data Sheet according to REACH regulation (EG) 1272/2008.

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.