

Sodium hypochlorite

Bulk Chemicals and Intermediates | Technical Data Sheet

Synonyms

Hypochlorous acid sodium salt; Sodium hypochlorite solution



Molecular formula	OCINa
Molecular weight	74.5
CAS number	7681-52-9
EINECS number	231-668-3

Specifications

Appearance	Pale yellow liquid
Available chlorine	10% to 13% w/w
Excess NaOH	2% to 3% w/w

Physical properties

Melting point	-20°C to -30°C
Density	1.22 to 1.23 g/cm ³ at 20°C
Vapour pressure	20 hPa at 20°C

Description

Sodium hypochlorite is a pale yellow liquid with chlorine-like odour.

Applications

Intermediate for chemicals and dyes

Packaging

Sodium hypochlorite is available in tankers. Other packaging may be considered on request.

Storage and handling

Do not store together with acids. Keep container tightly sealed. Always refer to the Safety Data Sheet (SDS) for detailed information on storage and handling.

Safety

Wear personal protective equipment (PPE) such as safety glasses or chemical goggles, full body suit, vapour respirator, safety shoes and gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Always refer to the SDS for detailed information on safety.

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First aid

Eye contact: Flush eyes with plenty of water for at least 15 minutes. Get immediate medical aid.

Skin contact: Wash skin thoroughly with soap and water. Get immediate medical aid.

Ingestion: Drink plenty of water. Allow the person to be in fresh air. Get immediate medical aid.

Inhalation: Shift the person from area of exposure. Remove contaminated clothing and loosen any tight clothing such as belt, waistband, collar etc. Allow the individual to assume a comfortable position and keep warm. If the individual is not breathing, provide artificial respiration. Seek immediate medical advice.

Spills and disposal

Absorb any spillage with liquid-binding material (such as sand, diatomite, acid binders, universal binders or sawdust) and place in an appropriate chemical waste container for later disposal. Do not allow spillage to enter sewage system or groundwater. This product must not be disposed together with household garbage. Waste must be disposed of in accordance with federal, state or local regulations, as applicable.

Contact

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