Material Safety Data Sheet

Section 1: Chemical Identification

Code No.: PCT1311
Name of the Product: Sodium hypochlorite (4% w/v solution)
Produced by: HiMedia Laboratories Pvt Ltd.
Address: 23, Vadhani Indl. Estate, LBS Marg, Mumbai-400 086, India.
Tel. No.: 2500 0970, 2500 1607 Fax No. 022 2500 2468

Section 2: Sodium hypochlorite (4% w/v solution)

Dangerous for the environment/Corrosive Material

CAS No.: 7681-52-9
R: 31-34-50
S: 28-45-50-61

Section 3: Hazards Identification

Hazard: Substances which are harmful to the aquatic (aquatic organisms, waters), as well as the non-aquatic environment (fauna, flora, atmosphere) or which have a detrimental effect at longer term.
Caution: Avoid release to the environment.

Hazard: Living tissue as well as equipment are destroyed on contact with these chemicals.
Caution: Do not breathe vapours and avoid contact with skin, eyes and clothing.

Section 4: First-Aid Measures

In case of swallowing, wash out mouth with water provided person is conscious. In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. In case of inhalation, remove to fresh air. If breathing becomes difficult, call Physician. In case of contact with eyes, wash with copious amounts of water for at least 15 minutes. Assure adequate washing by separating the eye lids with fingers. In serious conditions, call a physician, show the container or label.

Section 5: Fire Fighting Measures

Extinguishing Media: Water Spray.
Carbon dioxide, dry chemical powder or appropriate foam. Special firefighting procedures. Wear self-contained breathing apparatus and protective clothing to prevent skin and eyes.

Section 6: Accidental Release Measures

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pick up is complete.

Section 7: Handling and Storage

Handling: Refer to section 8
Storage: Store below 30°C

Section 8: Exposure Controls/Personal Protection
Wear appropriate NIOSH/MSHA-approved respirator, chemical-resistant gloves, safety goggles, other protective clothing. Mechanical exhaust required.

Section 9 : Physical and Chemical Properties
Appearance : Colourless to yellow liquid.

Section 10 : Stability and Reactivity
Stability : Product is stable if stored as per the conditions specified under storage of Section No.7 Product loses its potency/performance above 45°C.
Conditions to avoid : Heat and light.
Hazardous polymerization will not occur.

Section 11 : Toxicological Information
Acute Effects : May be harmful if swallowed.
Exposure can cause : Stomach pains, vomiting, diarrhoea. Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

Section 12 : Ecological Information
Data not available

Section 13 : Disposal Considerations
On completion of work all used or unusable preparations of this product and derivatives there of are to be disposed off by autoclaving and/or by incineration. Dispose off waste in accordance with all applicable Federal, state and local laws.

Section 14 : Transport Information
Overland (ADR)
UN 3082 Class 9
Packaging group 3
By Sea (IMDG)
UN 3082 Class 9
Packaging group 3
By Air (IATA)
UN 3082 Class 9
Packaging group 3

Section 15 : Regulatory Information
Risk Phrases : Contact with acids liberates toxic gas.
Risk Phrases : Causes burns.
Risk Phrases : Very toxic to aquatic organisms.
Safety Phrases : After contact with skin, wash immediately with plenty of soap-suds.
Safety Phrases : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
Safety Phrases : Do not mix with ...
Safety Phrases : Avoid release to the environment. Refer to special instructions/Safety data sheets.

Hazard : Substances which are harmful to the aquatic (aquatic organisms, waters), as well as the non-aquatic environment (fauna, flora, atmosphere) or which have a detrimental effect at longer term.
Caution : Avoid release to the environment.
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Caution: Do not breathe vapours and avoid contact with skin, eyes and clothing.

Section 16: Other Information
The information contained in this data sheet represents the best information currently available to us. However, no warranty is made with respect to its completeness and we assume no liability resulting from its use. The information is offered solely for users' obligation to investigate and determine the suitability of the information for their particular purpose.