

SODIUM HYPOCHLORITE 4%

SECTION 1: PRODUCT IDENTIFICATION

Product Name: SODIUM HYPOCHLORITE 4%

Product Code: 2401

CAS#: 7681-52-9

CI#: Not available

Synonym: Not available

Chemical Name: Not available

Chemical Formula: $\text{Cl}_2\text{H}_3\text{O}_2$

Formula Weight: 74.44

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Composition:

SODIUM HYPOCHLORITE 4%

Toxicological Data on Ingredients: Not available

SECTION 3: HAZARDS IDENTIFICATION

Classification according to Regulation (EC) No 1272/2008

Serious eye damage (Category 1), H318

Short-term (acute) aquatic hazard (Category 1), H400

Long-term (chronic) aquatic hazard (Category 1), H410

SECTION 4: FIRST AID MEASURES

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin Contact: Wash off immediately with soap and plenty of water. Cover the irritated skin with emollient. Immediate medical attention is required.

Serious Skin Contact: Not available

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not Available

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available

SECTION 5: FIRE FIGHTING MEASURES

Flammability of the Product: May be combustible at high temperature

Auto-Ignition Temperature: Not Available

Flash Points: Not Available

Flammable Limits: Not Available

Products of Combustion: These products are carbon oxides (CO, CO₂) and Nitrogen Oxide.

Fire Hazards in Presence of Various Substances: Not Available

Explosion Hazards in Presence of Various Substances: Not Available

Risks of explosion of the product in presence of mechanical impact: Not Available

Risks of explosion of the product in presence of static discharge: Not available



Fire Fighting Media and Instructions:

Small fire: Use DRY chemical powder

Large fire: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Not Available

Special Remarks on Explosion Hazards: Not Available

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Avoid

Small Spill: Use appropriate tools to put the spilled material in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements

Large Spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system

SECTION 7: HANDLING AND STORAGE

Precautions: Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses, Lab coat, Dust respirator, Gloves. Be sure to use an approved/certified respirator or equivalent

Personal Protection in Case of a Large Spill: Splash goggles, Full suit, Dust respirator, Boots, Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not Available

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance Form	: Liquid
Odour	: Not available
Taste	: Not available
Molecular Weight	: Not available
Colour	: Not available
pH	: Not available
Boiling Point	: Not available
Melting Point	: Not Available
Critical Temperature	: Not available
Specific Density	: Not Available
Vapor Pressure	: Not Available
Vapor Density	: Not available
Volatility	: Not Available
Odor Threshold	: Not Available
Water/Oil Dist. Coeff.	: Not Available
Ionicity (in Water)	: Not Available
Dispersion Properties	: Not Available



Solubility

: Not Available

SECTION 10: STABILITY AND REACTIVITY DATA

Stability: The product is chemically stable under standard ambient conditions.

Instability Temperature: Not available

Conditions of Instability: Not available

Incompatibility with various substances: Strong oxidizing agents

Corrosivity: Not available

Special Remarks on Reactivity: Not available

Special Remarks on Corrosivity: Not available

Polymerization: Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

Routes of Entry: Eye Contact, ingestion, and Inhalation.

Toxicity to Animals:

LD₅₀: Not Available

LC₅₀: Not available

Chronic Effects on Humans: Not available

Other Toxic Effects on Humans: Not available

Special Remarks on Toxicity to Animals: Not available

Special Remarks on Chronic Effects on Humans: Not available

Special Remarks on other Toxic Effects on Humans: Not available

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Not available

BOD and COD: Not Available

Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not Available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations

SECTION 14: TRANSPORT INFORMATION

DOT Classification: Not a DOT controlled material (United States).

Identification: Not Applicable

Special Provisions for Transport: Not Applicable

SECTION 15: OTHER REGULATORY INFORMATION

Federal and State Regulations: TSCA 8(b) inventory: SODIUM HYPOCHLORITE 4%

Other Regulations: Not Available

WHMIS (Canada): Not controlled under WHMIS (Canada)

DSCL (EEC): R36/37/38- Irritating to eyes, respiratory system and skin.

HMIS (U.S.A.):

Health Hazard: 2



Fire Hazard: 1

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment: Gloves, Lab coat, Safety glasses, and Dust respirator - be sure to use an approved/certified respirator or equivalent

SECTION 16: OTHER INFORMATION

References: Full text of H-Statements referred to under sections 2 and 3.

EUH031 Contact with acids liberates toxic gas.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H400 Very toxic to aquatic life

Other Special Considerations: Not available

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