

Safety Data Sheet (SDS)

Section 1: Chemical Product and Company Identification

Cat# : 3104

Part Name: Hyposol™ Sodium Hypochlorite Solution

Supplier: Decon Laboratories Inc.

460 Glennie Circle King of Prussia, Pa 19406
SDS Telephone # (610) 755-0800

Emergency Telephone Numbers

US Chemtrec: (800) 424-9300
Canada: (703) 527-3887

Identified uses: Laboratory use

Section 2: Hazards Identification:

Hazard Overview

Causes skin and eye burns.

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

GHS Classification

Serious Eye Damage Cat 1C, Skin Corrosion Cat 1C, Eye Irritation Cat 2B

Signal word:

Danger



Hazard and Precautionary Statements

H314 Causes severe skin and eye damage

H410: Very toxic to aquatic life with long-lasting effects

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P285 In case of inadequate ventilation wear respiratory protection.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P305B IF IN EYES: Separate eyelids with finger tips.

P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P351 Rinse cautiously with water for several minutes.

P360: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.

P501 Dispose of contents/container to proper waste area in accordance with institutional practices and local, state or federal regulations

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NFPA Rating Hazard Ratings:

These ratings are Polysciences' Inc. own assessments of the properties of the material using the ANSI/NFPA 704 Standard. Additional information can be found by consulting in the NFPA published ratings lists (List 325 and List 49).

If no data is listed the information is not available.

Health Flammability Reactivity
2 0 1

Section 3: Composition/ Information on ingredients

Note: Items listed with a CASRN number have no CAS# available

| Item# | Name | EINECS | CAS # | % in Product |
|-------|--------------------------------|-----------|------------|--------------|
| 1 | Hypochlorous acid, sodium salt | 231-668-3 | 0007681529 | 6-10 |
| 2 | Water | 231-791-2 | 0007732185 | 91-100 |

Section 4: First Aid Measures

Flush eyes with flowing water for at least 15 minutes.
If breathing is difficult, contact emergency personnel.
Remove contaminated clothing.
Remove to fresh air.
Separate eyelids with finger tips.
Wash skin with deluge of water for at least 15 minutes.

Section 5: Fire-Fighting Measures

| | |
|--------------------------------------|--|
| Flash point, deg F.: not combustible | Method: nap |
| UEL: no data LEL: no data | Autoignition temperature, deg. F.: no data |
| Flammability Classification: no data | Flame Propagation Rate: no data |
| Hazardous Combustion Products: | chlorine gas and hydrogen chloride |

Section 6: Accidental Release measures

Any information listed below is to be considered in addition to internal guidelines for isolation of spill, containment of spill, removal of ignition sources from immediate area, and collection for disposal of spill by trained, properly protected clean up personnel.

Absorbs liquids on absorbent material.
Contain spilled liquids.
Protect personnel from exposure.
Ventilate the area

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Section 7: Handling and Storage

Store at room temp

Section 8: Exposure Controls/ Personal Protection

OSHA (ACGIH) Exposure Limits

| | | TWA | | STEL | | CEILING | |
|------------------|----------|-----|-----|------|-----|---------|-----|
| | | ppm | mg/ | ppm | mg/ | ppm | mg/ |
| CAS # 0007681529 | IDLH: NE | | | | | | |
| OSHA | | NE | NE | NE | NE | NE | NE |
| ACGIH | | NE | NE | NE | NE | NE | NE |
| CAS # 0007732185 | IDLH: NE | | | | | | |
| OSHA | | NE | NE | NE | NE | NE | NE |
| ACGIH | | NE | NE | NE | NE | NE | NE |

The use of eye protection in the form of safety glasses with side shields and the use of skin protection for hands in the form of gloves are considered minimum and non-discretionary in work places and laboratories. Any recommended personal protection equipment or environmental equipment is to be considered as additional to safety glasses and gloves.

Use chemical splash goggles and face shield.

Use latex or equivalent gloves.

Use process enclosures, local exhaust ventilation, or other engineering controls.

Chemical-resistant gloves should be worn whenever this material is handled. The glove material has to be impermeable and resistant to the product. Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough. Rinse and remove gloves immediately after use. Wash hands with soap and water. All glove recommendations presume that the risk of exposure is through splash and not intentional immersion of the hands into the product. Since glove permeation data does not exist for this material, no recommendation for the glove material can be given for the product. Permeation data must be obtained from the glove manufacturer to determine if the glove is suitable for the task.

Section 9: Physical and Chemical Properties

| | | | |
|-----------------|----------|-------------------|--------------------|
| Formula: | NaOCl | Vapor Pressure: | 17.5 mm Hg |
| Formula weight: | 74.44 | Vapor Density: | No data |
| Boiling Point: | 214 | Specific Gravity: | 1.097 |
| Melting Point: | 25 | pH: | 11-13 |
| Solubility: | Complete | Appearance: | Pale yellow liquid |

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Section 10: Stability and Reactivity:

| | |
|---------------------------------------|---|
| Chemical Stability: | Stable |
| Conditions to Avoid: | Avoid temperatures above 30°C to prevent rapid decomposition |
| Incompatibility with other materials: | Contact with acids, reducing agents, heavy metals, amines, ammonium compounds, nickel, copper, tin, aluminum and iron |
| Hazardous Decomposition Products: | Thermal decomposition may yield chlorine gas or hydrogen chloride |
| Hazardous Polymerization: | Will not occur |

Section 11: Toxicological Information

| | |
|------------------|---|
| Acute Data: | Oral LD50 - rat, 8910 mg/kg Dermal LD50 – rabbit >10000 mg/kg Inhalation LC50 – rat >10000 mg/L |
| Subchronic Data: | No data |

Section 12: Ecological Information

This material is toxic to aquatic life

Section 13: Disposal Considerations

The following chart lists the status of the chemical and its components in reference to 40 CFR Part 261.33. If the product is listed by code number the substance may be subject to special federal and state disposal regulations. If no codes are listed the material must be disposed in compliance with all Federal, State and Local Regulations.

| CAS # | Waste Code | Regulated Name |
|------------|------------|----------------|
| 0007681529 | Not listed | Not listed |
| 0007732185 | Not listed | Not listed |

Section 14: Transportation Information

| | |
|-----------------------|---|
| Proper Shipping Name: | Limited Quantity (UN1791, Hypochlorite solutions, 8 , PGIII, LTD QTY) |
|-----------------------|---|

Section 15: Regulatory Information

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All components of this product are on the TSCA public inventory.

Prop 65 - Column A identifies those items which are known to the State of California to cause cancer. Column B identified items which are known to the State of California to cause reproductive toxicity.

| CAS# | Column A | Column B |
|------------|----------|----------|
| 0007681529 | No | No |
| 0007732185 | No | No |

State Regulatory Information :If a CAS# is listed below this material is subject to the listed state right-to-know requirements.

CAS#

| CAS# | |
|------------|------------|
| 0007681529 | Not listed |
| 0007732185 | Not listed |

SARA Toxic Release Chemicals(as defined in Section 313 of SARA Title III)

This list identifies the toxic chemicals, including their de minimis concentrations for which reporting is required under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA). The list is also referred to as the Toxics Release Inventory (TRI) List.

| CAS# | Regulated Name | De minimus conc. % | Rep Thres. |
|------------|----------------|--------------------|------------|
| 0007681529 | Not listed | Not Listed | Not Listed |
| 0007732185 | Not listed | Not Listed | Not Listed |

SARA Extremely Hazardous Substances and TPQs

This list includes hazardous chemicals as defined in 29 CFR 1910.1200(c); and extremely hazardous substances regulated under Section 302 of SARA Title III with their TPQs (in pounds), as listed in 40 CFR 355, Appendices A and B.

| CAS# | Regulated Name | TPQ (pounds) | EHS RQ (pounds) |
|------------|----------------|--------------|-----------------|
| 0007681529 | Not listed | Not Listed | Not Listed |
| 0007732185 | Not listed | Not Listed | Not Listed |

CERCLA

The hazardous substances, and their reportable quantities (RQs) are listed in the federal regulations at 40 CFR Part 302, Table 302.4. Release of a CERCLA hazardous substance in an amount equal to or greater than its RQ, in any 24-hour period, must be reported to the National Response Center at (800) 424-8802.

| CAS# | Regulated Name | RQ (pounds) |
|------------|------------------------|-------------|
| 0007681529 | Not listed | Not Listed |
| 0007681529 | Hypochlorite solutions | 100 |
| 0007681529 | Sodium hypochlorite | 100 |
| 0007732185 | Not listed | Not listed |

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| Section 16: Other Information |
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End of Safety Data Sheet