

SECTION 1 IDENTIFICATION OF THE MATERIAL**Product Name:** HYPOCHLORITE 1% Solution**Recommended use:** Endodontic irrigation solution.**Manufacturer / Supplier****Henry Schein Halas Pty. Ltd.**

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Hazard Classification Classified as HAZARDOUS according to NOHSC
Hazard Symbol NON-DANGEROUS GOOD
Risk Phase(s) Corrosive (C)
R34 : causes burns
R31 : contact with acids liberates toxic gas
S(1/2) – 28-45-50 : Keep locked up and out of reach of children. After contact with skin wash immediately with plenty of water. In case of an accident, or if you feel unwell, contact a doctor or Poisons Information Centre 131 126. Do not mix with other chemicals without prior approval from the manufacturer.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

<u>Composition</u>	<u>CAS No.</u>	<u>Proportion</u>
Sodium Hypochlorite	7681-52-9	1 – 1.5%
Sodium Hydroxide	1310-73-2	0.2 – 0.5%
Water	7732-18-5	to 100 %

SECTION 4 FIRST AID MEASURES

Ingestion : Do not induce vomiting. Rinse mouth out with water then give large quantities of water to drink. Do not give anything if victim is unconscious. Seek medical advice.

Eye exposure : Hold eyelids open and irrigate continuously with water for 15 minutes. Lift upper and lower lids occasionally. Seek medical advice.

[according to GHS and NOHSC:2011(2003)]

Product : HYPOCHLORITE 1% SOLUTION

Version 1

Prepared : 10.05.2007

SECTION 4 FIRST AID MEASURES *continued*

Skin exposure : Remove all contaminated clothing. Wash affected areas thoroughly with soap and water. Wash contaminated clothing before reuse. If irritation persists seek medical advice.

Inhaled : Remove from contaminated area immediately to fresh air; avoid becoming a casualty. If breathing is difficult give oxygen. If not breathing apply artificial resuscitation. Seek medical advice.

First Aid Facilities : Ensure eye wash and shower facilities are available in the working area.

Advise to Doctor : Treat symptomatically.

SECTION 5 FIRE FIGHTING MEASURES

Suitable extinguishing media: Foam, dry chemical, CO₂ and water fog.

Unusual fire and explosion hazards: This material is non-flammable and non-combustible. Heat and acid contamination will produce irritating and toxic fumes.

Special protective equipment: Wear approved respirator and protective gear.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions: Ensure an eye bath and safety shower is available. Operators are recommended to wear chemical protective gloves, safety glasses and protective clothing should be worn when handling the solution. Wash contaminated clothing before reuse.

Environmental precautions: Prevent from entering into drains, sewage waste systems, native or natural environments, ie river systems. Dispose of waste in accordance with all applicable national regulations.

Methods for cleaning up: Clean up spills immediately. Absorb spilled material with clay or sand or other suitable material. Place spillage in appropriate container for waste disposal. Dispose of this solid waste to conform with regulations.

SECTION 7 HANDLING AND STORAGE

Handling: Ensure cap for container is replaced and tightly closed immediately after use.

Storage: Stored in a dark, cool place at temperatures between 8°C and 25°C. Store away from direct sunlight and UV light sources.

Other Information: Store away from Class 8 acids.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection: Use in a well ventilated area.

Hand protection: Use chemical protective gloves when handling solution.

Eye protection: Safety glasses which comply with Australian Standard AS1337 and used in accordance with AS1336, are recommended.

Body protection: Protective clothing should be worn.

General safety and hygiene measures: Always wash hands after handling solution and before handling food or using the toilet.

Engineering Controls : Ensure workplace is well ventilated.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear to slight pale yellow aqueous liquid.

Odour.....: Characteristic odour

Boiling Point (°C): Not available

Vapour Pressure: Not available

Specific Gravity: > 1g/mL

Flammability Limits (%) ...: Not flammable

pH of Solution: > 10

Solubility in Water (g/L) ...: Complete

Other Properties: Strong oxidizing solution.

SECTION 10 STABILITY AND REACTIVITY

Reactivity: Reacts vigorously with acids producing gaseous chlorine. Incompatible with amines, ammonium salts, aziridine, methanol and phenylacetonitrile.

Conditions to avoid: Stability is decreased with heat, light exposure, decreased pH and contamination with heavy metals, such as nickel, cobalt, copper and iron. Unstable in contact with stainless steel and corrodes the surface.

Materials to avoid: Do not mix or contaminate with ammonia, hydrocarbons, acids, alcohols or ethers.

Hazardous decomposition products: Chlorine. Additional decomposition products that depend on pH, temperature and time are sodium chloride, sodium chlorate and oxygen.

SECTION 11 TOXICOLOGICAL INFORMATION

Toxicity Data : By ingestion, Grade 1 : LD₅₀ oral, rat = 8.91 g/Kg

- Ingestion : May cause mild gastrointestinal irritation with nausea and vomiting.
- Eye : Solution will sting eyes.
- Skin : May irritate broken skin if applied undiluted.
- Inhaled : May be harmful if mixed with other chemicals due to the production of chlorine gas.
- Chronic* : Repeated or prolonged skin contact can cause chemical burns.

SECTION 12 ECOLOGICAL INFORMATION

Ecological Information This material may be harmful to aquatic life in low concentrations.

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal Considerations: Dispose of according to relevant local, state and federal government regulations. Do not flush into sewer.

SECTION 14 TRANSPORT INFORMATION

U.N. Number : NA Dangerous Goods Class : NA

Hazchem Code : NA Subsidiary Risk : NA

CAS Number : 18472-51-0 Pack. Grp. : NA

SECTION 15 REGULATORY INFORMATION

Poisons Schedule : S5

SECTION 16 OTHER INFORMATION

Product is considered safe if used as intended.

Product is intended for Professional Dental Use only.