

1. Product and Company Identification

Product(s)	Tubing Cleaning 1 (ORI6037)
Related Product Kit	Tubing cleaning Kit (ORI6036K)
Intended Use & Restrictions	Immunohistochemistry reagent intended for use by professional laboratory personnel that have been properly trained in its use.
Company Information	Biocare Medical, LLC 60 Berry Drive Pacheco, CA 94553 United States Tel: +1 800-799-9499 (7AM-5PM, PST, Mon-Fri) Fax: +1 925-603-8080 Web: www.biocare.net
24-Hour Emergency Contact	CHEMTREC +1 800-424-9300 (USA and Canada only) +1 703-527-3887 (all other countries)

2. Hazards Identification

Emergency Overview Corrosive liquid.

Avoid contact with skin and eyes. Causes severe burns.

Contact with acids liberates toxic gas.

OSHA Hazards Corrosive

GHS Classification
Signal words, Symbol,
Hazard &
Precautionary
Statements



Danger

Hazard statement(s)

H314 Causes severe skin burns and eye damage.
H400 Very toxic to aquatic life.

Precautionary statement(s)

P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/ physician.

Potential Health Effects

Skin Contact	May be harmful if exposed to skin. Causes skin burns.
Eye Contact	Causes eye burns.
Inhalation	May be harmful if inhaled. Material is extremely destructive to the mucous membranes of the upper respiratory tract.

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Ingestion May be harmful if swallowed.
See Section 11: Toxicological Information for additional information.

Environmental Effects Toxic to aquatic life.
See Section 12: Ecological Information for additional information.

3. Composition / Information on Ingredients

Chemical Name	Synonyms	% Composition	CAS Number
Sodium hypochlorite	N/A	5-10%	7681-52-9

Note: It has been determined that the remaining ingredients of this product are not classified as hazardous according to the Federal OSHA Hazardous Communication Standard (29 CFR 1910.1200) or the Globally Harmonized System of Classification and Labeling of Chemicals.

4. First Aid Measures

General Advice Avoid further exposure to product. Consult a physician.

In case of skin contact Wash exposed area with soap and plenty of water. Remove any contaminated clothing. Seek medical attention.

In case of eye contact Wash eyes with plenty of water for at least 15 minutes. Have victim remove contact lenses. Be sure to wash under eyelids. Seek medical attention.

If inhaled Remove victim to well-ventilated area. If victim is not breathing, give artificial respiration. Seek medical attention.

If swallowed If victim is conscious, rinse mouth with water. Do not give anything to an unconscious victim. Seek medical attention.

5. Fire Fighting Measures

Suitable Extinguishing Media Water spray, alcohol-resistant foam, dry chemical, or carbon dioxide. Use extinguisher media appropriate for surrounding fire.

Special Protective Equipment for Firefighters Wear self-contained breathing apparatus and protective clothing to prevent contact with eyes and skin.

Special Exposure Hazards Avoid inhalation of fumes, which may be toxic or irritating.

6. Accidental Release Measures

Personal Precautions Use of personal protective equipment is recommended as described in Section 8. Isolate hazard area and deny entry to unprotected personnel.

Environmental Precautions Prevent further leakage or spillage if safe to do so. Keep out of drains, sewers, ditches and waterways.

Methods for containment and clean up Small spills may be contained and cleaned-up with paper towels or absorbent pads. Absorb large spills with sand or vermiculite and place in a closed container for waste disposal. Avoid physical contact during removal.

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7. Handling and Storage

- Precautions for Safe Handling** Avoid contact with eyes, skin and clothing. Avoid breathing vapors. Do not ingest. Wash hands thoroughly after use.
- Conditions for Safe Storage** Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store near acids.

8. Exposure Controls / Personal Protection

- Permissible Exposure Limits** USA Workplace Environmental Exposure Levels WEEL (Sodium hypochlorite): STEL 2 mg/m³
- Engineering Controls** No special controls needed.

Personal Protective Equipment

- Eye Protection** Wear chemical splash goggles and face shield when eye and face contact is possible due to splashing or spraying of material.
- Skin Protection** Use chemically resistant gloves and a lab coat with sleeves.
- Respiratory Protection** Exceeding exposure limits is unlikely during normal usage. However, if irritating vapors are produced, respiratory protection is recommended. Attempt to reduce exposure levels to an acceptable range.
- General Hygiene Measures** Avoid contact with eyes, skin and clothing. Wash hands thoroughly after handling and before eating or drinking.

9. Physical and Chemical Properties

- Appearance** Clear, colorless solution.
- Odor** Bleach-like smell
- pH (as supplied)** Not determined
- Melting point** Not determined
- Boiling point** Not determined
- Flash point** Not determined
- Flammability** Not determined
- Lower explosion limit** Not determined
- Upper explosion limit** Not determined
- Vapor pressure** Not determined
- Vapor density** Not determined
- Specific gravity** Not determined
- Solubility (in water)** Soluble
- Partition coefficient (n-octanol/water)** Not determined
- Auto-ignition temperature** Not determined
- Decomposition Temperature** Not determined

10. Stability and Reactivity

Chemical Stability	Stable under recommended storage conditions (see Section 7).
Conditions to avoid	None identified.
Materials to avoid	Powdered metals, Amines, Ammonia, Strong acids, Organic materials, Methanol, Forms shock-sensitive mixtures with certain other materials.
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions. - Hydrogen chloride gas, Sodium oxides
Possibility of hazardous reactions	Contact with acids liberates toxic gas.

11. Toxicological Information

Acute dose effects	No data available
Repeat dose effects	No data available
Skin irritation	No data available
Skin and respiratory sensitization	No data available
Eye irritation	No data available
Carcinogenicity	No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible, potential, known, anticipated, or confirmed carcinogen by IARC, ACGIH, NTP, or OSHA.
Mutagenicity	No data available
Reproductive effects	No data available
Developmental effects	No data available
Target organ effects	No data available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated at product concentrations.

12. Ecological Information

Ecotoxicity	No data available
Persistence and degradability	No data available
Bioaccumulation/accumulation	No data available
Mobility in environmental media	No data available
Other hazardous effects	Very toxic to aquatic life.

13. Disposal Considerations

Product	Disposal should be in accordance with applicable national, state, and local laws and regulations. Local regulations may be more stringent than national or state requirements. Verify local and state regulations before discharging into public sewers or landfills. Do not dump into any body of water. Contact a licensed professional waste disposal service for appropriate methods of disposal.
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Contaminated packaging Dispose of as unused product.

14. Transportation Information

Proper shipping name Hypochlorite solution
Technical name Sodium hypochlorite
Hazard class 8
Identification number UN 1791
Packing group III
DOT (US) Reportable Quantity (RQ): 400 lbs
Marine pollutant: No
Poison Inhalation Hazard: No
IMDG Marine pollutant: No
IATA No further information
TDG No further information

15. Regulatory Information

Inventory Status

United States (TSCA) All ingredients are on the inventory or exempt from listing.
Canada (DSL / NDSL) All ingredients are on the inventory or exempt from listing.
SARA 302 Components No chemicals in this product are subject to reporting requirements.
SARA 313 Components No chemicals in this product are subject to reporting requirements.
SARA 311/312 Hazards Acute health hazard
California Prop. 65 components This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

16. Other Information

Sources and Suitability The above information was obtained from sources available at the time of revision and believed to be accurate and reliable. The information included is not intended to be all inclusive and should only be used as a guide. Biocare shall not be held liable for any damage resulting from use, handling, or contact with the above product.

Revision Date January 22, 2018
All SDS's before this date should be discarded.)

Replaces Revision June 26, 2015. This SDS has been updated to reflect current hazard information and product information and product formulations.
Note: Before using this product, please visit the Biocare Medical website at <http://biocare.net> for the current version of this SDS.