



113 Hartwell Ave., Lexington, MA 02421

MATERIAL SAFETY DATA SHEET

Emergency numbers: Beckman Coulter @ 714-871-4848

Chemtec @ 1-800-424-9300

1. IDENTIFICATION OF PRODUCT

This Material Safety Data Sheet applies to:

Product Name

IL Test/HemosIL Cleaning Agent

Part No.

0009832700/

0009832704

2. COMPOSITION

INGREDIENT NAME

CONCENTRATION
PERCENT BY WEIGHT

Sodium Hypochlorite

CAS No.: 7681-52-9

EINECS No.: 231-668-3

Hazard Classification: C (as raw material)

Risk Code: R31-34

R31: contact with acids liberates toxic gas

R34: causes burns

< 5% active chlorine

3. HAZARD IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYES

Direct eye contact may cause redness and irritation. Avoid contact with eyes.

SKIN

Prolonged or repeated contact may cause skin irritation. Avoid prolonged or repeated contact with the skin.

INGESTION

Moderately harmful / irritant

INHALATION

Moderate irritant

4. FIRST AID MEASURES

EYES

In case of eye contact, flush eyes with plenty of water for at least 15 minutes. Obtain medical attention if irritation develops.

SKIN

Promptly wash exposed areas thoroughly with soap and water. Obtain medical attention if irritation develops.

INGESTION

Rinse mouth with plenty of water. Obtain medical attention or contact the local Poison Control Center.

INHALATION

Remove individual to fresh air. Obtain medical attention if breathing becomes difficult.



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5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASH POINT: None

LOWER EXPLOSIVE LIMIT (%): Not Applicable

UPPER EXPLOSIVE LIMIT (%): Not Applicable

FIRE AND EXPLOSION HAZARDS

None known

EXTINGUISHING MEDIA

Use any extinguishing agent which is suitable for the surrounding fire.

FIRE FIGHTING INSTRUCTIONS

Wear self-contained breathing apparatus and protective clothing that is appropriate for fighting a typical fire involving chemical materials.

6. ACCIDENTAL RELEASE MEASURES

Wear appropriate personal protective equipment as specified in Section 8.

Contain spill by placing a suitable absorbent material around the edges of the spill and work inward. Carefully scoop up into an appropriate waste container for disposal.

7. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS

Reference the product labeling for handling and storage instructions.

SPECIAL REQUIREMENTS: Keep away from acid materials.

WORK/HYGIENIC PRACTICES

Wash hands with soap and water after use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

THRESHOLD LIMIT VALUES REGARDING THE RAW MATERIALS:

TLV- Sodium Hypochlorite: 7.5 mg/m³

ENGINEERING CONTROLS

None normally required.

EYE/FACE PROTECTION

Safety glasses or splash goggles are recommended.

SKIN PROTECTION

Wear protective (latex/non-latex) gloves and laboratory coat as required to prevent skin contact.

RESPIRATORY PROTECTION

None normally required with adequate ventilation.

OTHER/GENERAL PROTECTION

None normally required.



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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: liquid
Color: transparent or yellowish
Odor: light odor of chlorine
Density: 1.12 at 20°C
pH: 11-12 at 25°C

BASIC PHYSICAL PROPERTIES

VAPOR PRESSURE: Not determined
SPECIFIC GRAVITY: Not determined
SOLUBILITY (H₂O): Complete

10. STABILITY AND REACTIVITY

STABILITY: Stable

INCOMPATIBLE MATERIALS: Strong acids. Strong oxidizings.

HAZARDOUS DECOMPOSITION PRODUCTS

Harmful fumes of chlorine and Na₂O may be formed during thermal decomposition.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

MISCELLANEOUS TOXICOLOGICAL INFORMATION

Sodium Hypochlorite: orl-rat LD₅₀: 8910 mg/kg; skn-rat LD₅₀: <3000 mg/kg (skin); inh1-rat LC₅₀: >10.5 mg/L.
Human experimental mutagenic and teratogenic data (NIOSH).

The health effects noted above are based on the extrapolation of data on the pure product ingredients. To the best of our knowledge, no health effects have been identified for the product mixture under normal conditions of use, although the health effects of the product have not been thoroughly investigated.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None known

12. ECOLOGICAL INFORMATION

OTHER ENVIRONMENTAL INFORMATION

Sodium Hypochlorite: acute toxicity to crustacean (90 hr LC₅₀: 0.124 mg/L) and fish (24 hr LC₅₀: 0.43 mg/L).

Use in accordance with good laboratory practice. Do not waste in the environment.

13. DISPOSAL CONSIDERATIONS

The product waste is classified as non-toxic and harmful. Used waste products, surplus products or spillage products shall be disposed on in accordance with national, state and local laws. It is up to the user to classify the waste correctly prior to disposal.



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14. TRANSPORT INFORMATION

Not regulated.

15. REGULATORY INFORMATION

This product is classified and labeled in accordance with Directive 1999/45/EC and following modifications. The health hazard classification has been determined based on composition and hazard data of each ingredient. Physical and health hazard information on the reagent mixture has not been determined. Any physical and health hazard information noted is based on a) evaluation of data of the pure ingredient and b) concentration of each ingredient.

Kit Hazard Classification

- EEC Symbol: Not Applicable
- Risk Code: Not Applicable
- Safety Code: **S24/25-29-36**
 - S24/25:** avoid contact with skin and eyes.
 - S29:** do not empty into drains.
 - S36:** wear suitable protective clothing

16. OTHER INFORMATION

REFERENCE DOCUMENTATION

Primary references used in the preparation of this document:

1. Product Specification.
2. Product Labeling.

NOTE

The information supplied in this Material Safety Data Sheet represents the data and best information available at the date of preparation. It is provided with the aim of allowing proper and safe use, storage, transport and disposal of the product. It is not to be considered as a warranty or specification of product quality. It is related to the materials specifically indicated and does not apply if these are used in combination with other materials or during processes not specifically indicated in the text of this Material Safety Data Sheet.