

Material Safety Data Sheet

Sultan Sultan Healthcare
85 West Forest Avenue, Englewood, NJ 07631
Phone: 201-871-1232 • Toll Free: 800-637-8582
Fax: 201-871-0321 • <http://sultanhealthcare.com>
EU Auth. Rep. (MDD 93/42/EEC)
MDSS GmbH • Schiffgraben 41 • D-30175 Hannover, Germany

DENTAL
3-13

FOR CHEMICAL EMERGENCY: CALL INFOTRAC 1-800-535-5053 24 Hrs. per day, 7 days per week
Outside the United States call collect 1-352-323-3500

Q-Form 10-111, Rev. D

Date Reviewed: May 19, 2008

1. Chemical Identification

Common Name: Sodium Hypochlorite Solution
Ref #: 11507 (16 oz)

2. Composition/Information on Ingredients

Sodium Hypochlorite CAS # 7681-52-9 Percent: 6%

3. Hazards Identification

4.

Acute Toxicity: Corrosive and strongly irritating to the eyes, skin, and respiratory tract. Inhalation of fumes may cause pulmonary edema. Ingestion may cause burns to the mouth and digestive system and abdominal distress.

Chronic Toxicity: No data available.

5. First Aid Measures

Eye Contact: Immediately flush eyes with a directed stream of water for at least 15 minutes while forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissue.

Skin Contact: Flush thoroughly with cool water under shower while removing contaminated clothing and shoes. Discard non-rubber shoes. Wash clothing before reuse. Seek medical attention immediately.

Inhalation: Remove to fresh air. If breathing is difficult, have qualified person administer oxygen. If respiration stops, give artificial respiration. Get medical attention immediately.

Ingestion: Do not induce vomiting. Give large quantities of milk or water. If vomiting occurs spontaneously keep airway clear and give more milk or water. Get medical attention immediately.

6. Fire Fighting Measures

Flash Point and Method: N/A

Extinguishing Media: Use water spray, fog, foam, dry chemical, or carbon dioxide or agents suitable for materials in surrounding fire.

Special Fire Fighting Procedures: Use self-contained breathing apparatus and full protective equipment. Acid contamination will produce very irritating fumes similar to chlorine.

Unusual Fire and Explosion Hazards: Sodium Hypochlorite or its solutions decompose when heated. Decomposition products may cause containers to rupture or explode. Vigorous reaction is possible with organic materials or oxidizing agents and may result in fire.

7. Accidental Release Measures

Do not allow spilled material to enter sewers or streams. Flush with water to dilute as much as possible and pump into polyethylene containers for disposal. Avoid heat and contamination with acid materials. Do not use combustible materials such as sawdust to absorb Sodium Hypochlorite Solution.

8. Handling and Storage

Do not store adjacent to chemicals that may react if spillage occurs. Comply with DOT regulations when shipped. If closed containers become heated, vent to release decomposition products (mainly oxygen under normal decomposition). Do not mix or contaminate with ammonia, hydrocarbons, acids, alcohols or ethers.

9. Exposure Controls/Personal Protection

Exposure Limit Method:

1 ppm as Cl₂ PEL

1 ppm as Cl₂ TLV/TWA

Respiratory Protection: NIOSH/MSHA approved respirator, following manufacturer's recommendations should be used as a precautionary measure where airborne contaminants may occur.

Eye Protection: Wear chemical safety goggles plus full face shield to protect against splashing when appropriate.

Exhaust Required: Provide good general room ventilation plus local exhaust at points of emission.

Protective Gloves: Wear impervious gloves such as rubber, neoprene or vinyl.

Special Protective Clothing: Wear impervious protective clothing including rubber safety shoes. Eye wash facility and emergency shower should be in close proximity.

10. Physical and Chemical Properties

Appearance: Colorless to light yellow liquid

Odor: Chlorine

Solubility in Water: Miscible

pH (@ 25 C): 11.5

Boiling Point (° F): 220

Melting Point: 30.5 F

Vapor Pressure (mm Hg @ 25 C): 23

Specific Gravity (H₂O = 1): 1.190 – 1.215

Material Safety Data Sheet

Sultan Healthcare
85 West Forest Avenue, Englewood, NJ 07631
Phone: 201-871-1232 • Toll Free: 800-637-8582
Fax: 201-871-0321 • <http://sultanhealthcare.com>
EU Auth. Rep. (MDD 93/42/EEC)
MDSS GmbH • Schiffgraben 41 • D-30175 Hannover, Germany

FOR CHEMICAL EMERGENCY: CALL INFOTRAC 1-800-535-5053 24 Hrs. per day, 7 days per week
Outside the United States call collect 1-352-323-3500

Q-Form 10-111, Rev. D

Date Reviewed: May 19, 2008

11. Stability and Reactivity

Hazardous Polymerization: Will not occur
Hazardous Decomposition Products: Acid fumes
Conditions Contributing to Instability: Strong oxidizer, stability decreases with concentration, heat, light, decrease in pH and contamination by metals.

12. Toxicological Information:

Data not available

13. Ecological Information

This pesticide is toxic to fish and aquatic organisms. Section 311 of the Clean Water Act lists this product as a hazardous substance, which if discharged to water may require immediate response to mitigate danger to public health and welfare. Spills of 100 pounds or more must be reported to the National Response Center at the following number: 1-800-424-8802.

14. Disposal Considerations:

Product should be completely removed from containers. Material that cannot be used or chemically reprocessed should be disposed of in a manner meeting government regulations.

15. Transit Information

Proper Shipping Name: Consumer Commodity
Hazard Class: ORM-D
Subsidiary Hazard Class: N/A
Identification #: N/A
Packaging Group: N/A
Labels: N/A
Remarks: Qualifies for CFR 173.154 consumer commodity exception

16. Regulatory Information

Material is contained on a composite list as required under 101 (14) of CERCLA.
Sodium Hypochlorite Solution is regulated by the USEPA under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) as a pesticide product.

17. Other Information:

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. In no event will the manufacturer or the distributor be responsible for damages of any nature whatsoever resulting from the use of or reliance upon this information. General properties are to be regarded as guidelines and are not guaranteed for all samples.

Material Safety Data Sheet

Revision Date: 04/22/2007

Z11000000234/Version: 1.0

Print Date: 03/30/2009

Page: 1/5

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: LIDOCAINE HCl 2.0 % and Epinephrine 1:100,000 Injection

Catalog Number(s): 861 7151
 115 6124

Supplier: Carestream Health, Inc., 150 Verona Street, Rochester, New York,
14608

For Emergency Health Information call, (800) 424-9300

For other information contact 800-328-2910.

Synonym(s): KAN 966037; F-0179.151; NDC 58472-032-50

2. COMPOSITION/INFORMATION ON INGREDIENTS

Weight % - Component - (CAS Registry No.)

95-99	Water (007732-18-5)
1-5	Lidocaine hydrochloride (000137-58-6)
< 1	Sodium chloride (007647-14-5)
< 0.1	Sodium metabisulfite (007681-57-4)
< 0.1	Citric acid (000077-92-9)

3. HAZARDS IDENTIFICATION

CONTAINS: Lidocaine hydrochloride (000137-58-6)

WARNING!

MAY BE HARMFUL IF ABSORBED THROUGH SKIN OR SWALLOWED

Components of this product may be absorbed through mucous membranes and can cause local anesthesia (numbness in the exposed area).

HMIS Hazard Ratings:

Health - 2, Flammability - 0, Reactivity - 0, Personal Protection - B

NFPA Hazard Ratings:

Health - 0, Flammability - 0, Reactivity (Stability) - 0

NOTE: HMIS and NFPA hazard indexes involve data review and interpretation that may vary among companies. They are intended only for rapid, general identification of the magnitude of the potential hazards. The personal protection index is only intended for general guidance on personal protection equipment (PPE) that is suitable for the potential hazards of the material. PPE (e.g., respirators) may not be needed if engineering controls (e.g., local ventilation) are adequate. An asterisk (*), in the HMIS health field, designates potential chronic or target organ hazards. To adequately address safe handling, ALL information in this MSDS must be considered.

4. FIRST-AID MEASURES

Material Safety Data Sheet

Revision Date: 04/22/2007

Z11000000234/Version: 1.0

Print Date: 03/30/2009

Page: 2/5

Inhalation: If symptomatic, move to fresh air. Treat symptomatically. Get medical attention if symptoms persist.

Eyes: Any material that contacts the eye should be washed out immediately with water. Get medical attention if symptoms occur.

Skin: Immediately remove contaminated clothing and shoes and wash with soap and plenty of water. Get medical attention. Wash contaminated clothing before reuse. Destroy or thoroughly clean contaminated shoes.

Ingestion: Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Use appropriate agent for adjacent fire.

Special Fire-Fighting Procedures: Wear self-contained breathing apparatus and protective clothing.

Hazardous Combustion Products: None (noncombustible)

Unusual Fire and Explosion Hazards: None

6. ACCIDENTAL RELEASE MEASURES

Flush to sewer with large amounts of water. Otherwise, absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Clean surface thoroughly to remove residual contamination.

7. HANDLING AND STORAGE

Personal Precautionary Measures: Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

Prevention of Fire and Explosion: No special precautionary measures should be needed under anticipated conditions of use.

Storage: Keep container closed. Protect from light. Storage above 30°C (86°F) may affect product quality. Storage below 15°C (59°F) may affect product quality.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:

ACGIH Threshold Limit Value (TLV):

Sodium metabisulfite: 5 mg/m³ TWA

Ventilation: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions.

Respiratory Protection: None should be needed.

Material Safety Data Sheet

Revision Date: 04/22/2007
Z11000000234/Version: 1.0
Print Date: 03/30/2009
Page: 3/5

Eye Protection: Wear safety glasses with side shields (or goggles).

Skin Protection: Wear impervious gloves and protective clothing appropriate for the risk of exposure.

Recommended Decontamination Facilities: Eye bath, washing facilities, safety shower

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Liquid
Color: Colorless
Odor: Odorless
Specific Gravity (water = 1): 1.0
Vapor Pressure at 20°C (68°F): 24 mbar (18 mm Hg)
Vapor Density (Air = 1): 0.6
Volatile Fraction by Weight: 98 %
Boiling Point: >100°C (>212°F)
Solubility in Water: Complete
pH: 3.3 - 5.5
Flash Point: None, noncombustible liquid

10. STABILITY AND REACTIVITY

Stability: Stable

Incompatibility: None with common materials and contaminants with which the material may reasonably come into contact.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Effects of Exposure: Components of this product may be absorbed through mucous membranes and can cause local anesthesia (numbness in the exposed area). Signs and symptoms of overexposure may include changes in heart rate and blood pressure, faintness, sweating, and central nervous system effects such as dizziness, nervousness, drowsiness, blurred vision, and tremors. Adverse effects could be more pronounced in those receiving medications to alter blood pressure, and people with cardiovascular disease or drug sensitivity or allergy.

Inhalation: Expected to be a low hazard for usual industrial or commercial handling by trained personnel.

Eyes: No specific hazard known. May cause transient irritation.

Skin: May be harmful if absorbed through skin.

Ingestion: May be harmful if swallowed.

12. ECOLOGICAL INFORMATION

This material has not been tested for environmental effects.

Material Safety Data Sheet

Revision Date: 04/22/2007

Z11000000234/Version: 1.0

Print Date: 03/30/2009

Page: 4/5

13. DISPOSAL CONSIDERATIONS

Discharge, treatment, or disposal may be subject to national, state, or local laws. Consult state or local regulatory authorities before flushing to sewer with large amounts of water. Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. TRANSPORT INFORMATION

For more transportation information, go to: <http://ship.carestreamhealth.com>.

15. REGULATORY INFORMATION

- Material(s) known to the State of California to cause cancer: None
- Material(s) known to the State of California to cause adverse reproductive effects: None
- Carcinogenicity Classification (components present at 0.1% or more):
 - International Agency for Research on Cancer (IARC): None
 - American Conference of Governmental Industrial Hygienists (ACGIH): None
 - National Toxicology Program (NTP): None
 - Occupational Safety and Health Administration (OSHA): None
- Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372: None

16. OTHER INFORMATION

US/Canadian Label Statements:

CONTAINS: Lidocaine hydrochloride (000137-58-6)

WARNING!

MAY BE HARMFUL IF ABSORBED THROUGH SKIN OR SWALLOWED

Avoid contact with eyes, skin, and clothing.

Wash thoroughly after handling.

FIRST AID: If swallowed, only induce vomiting as directed by medical personnel. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately. In case of contact, immediately flush eyes and skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash contaminated clothing before reuse. Destroy or thoroughly clean contaminated shoes.

Keep out of reach of children.

For additional information, see Material Safety Data Sheet (MSDS) for this material.

Since emptied containers retain product residue, follow label warnings even after container is emptied.

Material Safety Data Sheet

Revision Date: 04/22/2007

Z1100000234/Version: 1.0

Print Date: 03/30/2009

Page: 5/5

The information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers and the protection of the environment.

R-1, S-2, F-0, C-0