

MATERIAL SAFETY  
DATA SHEET**3M**

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DIVISION: HOME AND COMMERCIAL CARE DIVISION

TRADE NAME:

3M Brand SANITIZER CONCENTRATE .....  
(Product No. 16, Twist 'n Fill (tm) System)ID NUMBER/U.P.C.: 70-0706-3507-6 00-48011-20112-7 70-0706-3508-4 00-48011-20113-4  
70-0707-1414-5 00-48011-23002-8

ISSUED: MARCH 3, 1997

SUPERSEDES: DECEMBER 18, 1996

DOCUMENT: 06-6875-6

1. INGREDIENT	C.A.S. NO.	PERCENT
WATER .....	7732-18-5	> 90
DIDECYLDIMETHYLAMMONIUM CHLORIDE .....	7173-51-5	2.3
ALKYLDIMETHYLBENZYL AMMONIUM CHLORIDE .....	8001-54-5	1.5

NOTE: IN CASE OF EMERGENCY: THE NUMBER AT THE TOP OF THIS PAGE PROVIDES 24 HOUR RESPONSE FROM ANY PHONE FOR ALL EMERGENCIES WITH THIS PRODUCT.

## 2. PHYSICAL DATA

BOILING POINT:..... ca. 212 F  
VAPOR PRESSURE:..... N/D  
VAPOR DENSITY:..... N/D  
EVAPORATION RATE:..... ca. 1 Water = 1  
SOLUBILITY IN WATER: ..... complete  
SP. GRAVITY:..... ca. 1.0 Water = 1  
PERCENT VOLATILE: ..... ca. 95 %  
pH: ..... ca. 7  
VISCOSITY: ..... < 100 CPS  
MELTING POINT..... N/A  
APPEARANCE AND ODOR: Liquid, clear, colorless to light amber color; mild odor.

## 3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... N/A  
FLAMMABLE LIMITS - LEL: ..... N/A  
FLAMMABLE LIMITS - UEL: ..... N/A  
AUTOIGNITION TEMPERATURE: ... N/D  
EXTINGUISHING MEDIA:  
Non-combustible. Choose material suitable for surrounding fire.  
SPECIAL FIRE FIGHTING PROCEDURES:  
Not applicable

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**3. FIRE AND EXPLOSION HAZARD DATA (continued)**

## UNUSUAL FIRE AND EXPLOSION HAZARDS:

Not applicable.

NFPA HAZARD CODES: HEALTH: 3 FIRE: 0 REACTIVITY: 0

UNUSUAL REACTION HAZARD: none

OSHA FIRE HAZARD CLASS: Not applicable

**4. REACTIVITY DATA**

STABILITY: Stable

INCOMPATIBILITY - MATERIALS TO AVOID:

Not applicable.

HAZARDOUS POLYMERIZATION: Will Not Occur

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide and Carbon Dioxide, Oxides of Nitrogen, Hydrogen  
Chloride.**5. ENVIRONMENTAL INFORMATION**

## SPILL RESPONSE:

Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. In the U.S.A., call (612) 733-1110 or (612) 733-6100 for 24-hour spill assistance. Ventilate area. Contain spill. Cover with absorbent material. Collect spilled material. Clean up residue with water. Place in a closed container.

## RECOMMENDED DISPOSAL:

Discharge spent solutions and small quantities (less than 5 gal.(19 L)) to a wastewater treatment system. Incinerate large quantities in an industrial or commercial incinerator. Combustion products will include HCl.

## ENVIRONMENTAL DATA:

A Product Environmental Data Sheet (PED) is available.

## REGULATORY INFORMATION:

Volatile Organic Compounds: < 1 %.  
VOC Less H2O & Exempt Solvents: N/A.

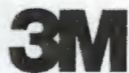
Since regulations vary, consult applicable regulations or authorities before disposal. U.S. EPA Hazardous Waste Number = None (Not U.S. EPA Hazardous).

TSCA: All components used in the manufacture of this material are in compliance with the US TSCA inventory.

## EPCRA HAZARD CLASS:

FIRE HAZARD: No PRESSURE: No REACTIVITY: No ACUTE: Yes CHRONIC: No



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**6. SUGGESTED FIRST AID****EYE CONTACT:**

Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention.

**SKIN CONTACT:**

Immediately flush skin with large amounts of water. Remove contaminated clothing. If irritation persists, call a physician. Wash contaminated clothing before reuse.

**INHALATION:**

If signs/symptoms occur, remove person to fresh air. If signs/symptoms continue, call a physician.

**IF SWALLOWED:**

If swallowed, do NOT induce vomiting. Give victim two glasses of water. Call a physician immediately. Never give anything by mouth to an unconscious person.

Note to physician: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsion may be needed.

**7. PRECAUTIONARY INFORMATION****EYE PROTECTION:**

NOTE: When used as directed and diluted and dispensed with a TWIST'n FILL (tm) Chemical Dispenser, eye contact with the concentrate is not expected to occur. Avoid eye contact with vapor, spray, or mist.

**SKIN PROTECTION:**

NOTE: When used as directed and diluted and dispensed with a TWIST'n FILL (tm) Chemical Dispenser, skin contact with the concentrate is not expected to occur. Avoid skin contact. Gloves not normally required.

**VENTILATION PROTECTION:**

NOTE: When used as directed and diluted and dispensed with a TWIST'n FILL (tm) Chemical Dispenser, special ventilation is not required. Use with adequate dilution ventilation. Provide ventilation adequate to control vapor concentrations below recommended exposure limits and/or control spray or mist.

**RESPIRATORY PROTECTION:**

NOTE: When used as directed and diluted and dispensed with a TWIST'n FILL (tm) Chemical Dispenser, respiratory protection is not required. Avoid breathing of vapors, mists or spray. Avoid breathing of airborne material.

**PREVENTION OF ACCIDENTAL INGESTION:**

Do not eat, drink or smoke when using this product. Wash exposed

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**7. PRECAUTIONARY INFORMATION (continued)**

areas thoroughly with soap and water.

Avoid contamination of food.

**RECOMMENDED STORAGE:**

Store away from areas where product may come into contact with food or pharmaceuticals. Do not store containers on their sides. Keep container closed when not in use. Keep out of the reach of children.

**FIRE AND EXPLOSION AVOIDANCE:**

Keep container tightly closed.

**OTHER PRECAUTIONARY INFORMATION:**

Not intended for consumer sale or use. This product is not intended to be used without prior dilution as specified on the product label.

Avoid creasing or impacting container side walls.

HMIS HAZARD RATINGS: HEALTH: 3 FLAMMABILITY: 0 REACTIVITY: 0  
PERSONAL PROTECTION: X (See precautions, section 7.)

INGREDIENTS	EXPOSURE LIMITS		TYPE AUTH	SKIN*
	VALUE	UNIT		
WATER .....	NONE	NONE	NONE	NONE
DIDECYLDIMETHYLAMMONIUM CHLORIDE .....	NONE	NONE	NONE	NONE
ALKYLDIMETHYLBENZYL AMMONIUM CHLORIDE .....	NONE	NONE	NONE	NONE

\* SKIN NOTATION: Listed substances indicated with "Y" under SKIN refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

**SOURCE OF EXPOSURE LIMIT DATA:**

- AIHA: American Industrial Hygiene Assoc. Workplace Environmental Exposure Level
- NONE: None Established

**8. HEALTH HAZARD DATA****EYE CONTACT:**

Chemical Related Eye Burns (chemical corrosivity): signs/symptoms can include cloudy appearance of the cornea, chemical burns, pain, tearing, ulcers, impaired vision or loss of vision.

**SKIN CONTACT:**

Allergic Skin Reaction: signs/symptoms can include redness, swelling, blistering, and itching.



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**8. HEALTH HAZARD DATA**

(continued)

Skin Burns (chemical corrosivity): signs/symptoms can include redness, swelling, itching, pain, blistering, ulceration, sloughing, and scar formation.

**INHALATION:**

Prolonged or repeated exposure may cause:

Irritation (upper respiratory): signs/symptoms can include soreness of the nose and throat, coughing and sneezing.

**IF SWALLOWED:**

Ingestion is not a likely route of exposure to this product.

Harmful or fatal if swallowed.

Ingestion may cause:

Damage to Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, nausea, abdominal tenderness, burns of mouth, difficulty swallowing, blood in vomitus, blood in feces, and ulceration.

Esophageal Burns: signs/symptoms can include pain in throat, difficult swallowing and blood in sputum.

Burns of the Oral Tissues: signs/symptoms can include pain, burns of tongue and inside of mouth, redness and tissue loss.

**OTHER HEALTH HAZARD INFORMATION:**

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: medical conditions, if any, known to be aggravated by exposure to this product are indicated in the appropriate portions of the Health Hazard Data section of this data sheet.

CARCINOGENS: components of this product, if any, known to cause, or suspected of causing, cancer as determined by OSHA, IARC, or NTP are described in the Health Hazard Data section of this data sheet in accord with the OSHA Hazard Communications Standard, 29 CFR 1910.1200

**SECTION CHANGE DATES**

HEADING

SECTION CHANGED SINCE DECEMBER 18, 1996 ISSUE

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SECTION CHANGE DATES

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Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

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