



MATERIAL SAFETY DATA SHEET

SECTION 1 -- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	Quaternary Sanitizing Tablets	PACK	6 / 100 ct.
PRODUCT CODE	5476304		

ISSUE DATE	02-10-01
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EMERGENCY TELEPHONE NUMBERS

MANUFACTURER Sysco Chemical
STREET ADDRESS 1390 Enclave Parkway
CITY, STATE, ZIP Houston, Texas 77077

Medical Information: (800) 228-5635 x161
Transportation: (800) 424-9300 *
* For spill, leak, fire or transport accident emergencies.
Product Information: (281) 584-1790

SECTION 2 -- COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT

* -- (see note below)

EXPOSURE LIMITS

	CAS No.	% by wt.	OSHA PEL	ACGIH TLV	NIOSH REL
Alkyl dimethyl benzyl ammon. chloride dihydrate	8001-54-5	50	None	None	None

* -- Asterisked ingredients are those considered hazardous according to the criteria of 29CFR 1910.1200. Other ingredients are listed for informational purposes to assist emergency medical response personnel.

SECTION 3 -- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW	Tablet dust or solution causes eye irritation. Can cause skin irritation. Harmful or fatal if swallowed.
POTENTIAL HEALTH EFFECTS	
INGESTION	Tablets are small (~ 2.2 g.) and contain a bitterant to inhibit swallowing. Ingestion of large quantities (> 1 or 2) can cause mucosal damage.
INHALATION	No hazard in normal use. Tablet dust may cause nasal irritation.
EYE CONTACT	Contact with tablet dust or use solution may cause eye irritation, possibly severe.
SKIN CONTACT	Prolonged or repeated contact with tablet dust or use solution can cause skin irritation.

SECTION 4 -- FIRST AID MEASURES

INGESTION	If swallowed, DO NOT induce vomiting. Immediately drink a large quantity of water. Avoid alcohol. Never give anything by mouth to an unconscious person. Get medical attention immediately.
INHALATION	If tablet dust is inhaled, rinse nose and mouth with plenty of water. Remove to fresh air and seek medical attention if cough or irritation persists or if other symptoms develop.
EYE CONTACT	Immediately flush eye with plenty of cool, running water. Remove contact lenses if applicable, and continue flushing for at least 15 minutes. Get medical attention immediately.
SKIN CONTACT	Wash with soap and water. If irritation develops or persists, get medical attention. Remove and wash contaminated clothing before reuse.
NOTE TO PHYSICIAN	Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock and measures to support breathing may be needed. Convulsions may be controlled by the cautious intravenous injection of a short-acting barbituate drug.

SECTION 5 -- FIRE FIGHTING MEASURES

FLASH POINT / METHOD	> 200 deg. F / PMCC	FLAMMABLE LIMITS	Not flammable or combustible
EXTINGUISHING MEDIA	If involved in a fire, foam, carbon dioxide, dry chemical or water.		
SPECIAL FIRE FIGHTING PROCEDURES	None		
FIRE AND EXPLOSION HAZARDS	None		

SECTION 6 -- ACCIDENTAL RELEASE MEASURES

RESPONSE TO SPILLS	If uncontaminated, spilled tablets can be recovered and used. Flush any residue to drain and rinse area thoroughly with water.
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SECTION 7 -- HANDLING AND STORAGE

HANDLING PRECAUTIONS	Wash hands after handling and before eating. Avoid contamination of food. Do not reuse empty container; wrap and put in trash.
STORAGE PRECAUTIONS	Store in a cool, dry place. Keep container tightly closed when not in use. Do not allow water to get into container.

SECTION 8 -- EXPOSURE CONTROLS / PERSONAL PROTECTION

HYGIENIC PRACTICES	Avoid contamination of food. Do not get tablet dust in eyes or on skin.
ENGINEERING CONTROLS	No special ventilation requirements. Eyewash station is not required.

PERSONAL PROTECTIVE EQUIPMENT

	RESPIRATOR	Not necessary
X	GOGGLES / FACE SHIELD	Optional; not required
X	APRON	Recommended to keep clothing dry during use
X	GLOVES	Optional; PVC, Neoprene or Nitrile acceptable for persons with sensitive skin
	BOOTS	Not necessary

SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Bluish white tablets	BOILING POINT	Not applicable
ODOR	Bland	FREEZING POINT	Not applicable
pH	7.1 (1% solution)	VAPOR PRESSURE	Not applicable
SPECIFIC GRAVITY	Not applicable	VAPOR DENSITY	Not applicable
SOLUBILITY IN WATER	Complete	EVAPORATION RATE	Not volatile
		MELTING POINT	> 125 deg. F.

SECTION 10 -- STABILITY AND REACTIVITY

CHEMICAL STABILITY		STABLE	X		UNSTABLE	
CONDITIONS TO AVOID	No special precautions beyond standard safe industrial practices. Do not mix with anything but water.					
INCOMPATIBILITY	Avoid contact with strong oxidizing agents. Contact with anionic surfactants will deactivate the germicide.					
HAZARDOUS PRODUCTS OF DECOMPOSITION	Carbon monoxide, nitrous oxides and ammoniacal vapors.					
POLYMERIZATION		WILL NOT OCCUR	X		MAY OCCUR	
CONDITIONS TO AVOID	Not applicable					

SECTION 11 -- TOXICOLOGICAL INFORMATION

CARCINOGENICITY

	THIS PRODUCT CONTAINS A KNOWN OR SUSPECTED CARCINOGEN
X	THIS PRODUCT DOES NOT CONTAIN ANY KNOWN OR ANTICIPATED CARCINOGENS ACCORDING TO THE CRITERIA OF THE NTP ANNUAL REPORT ON CARCINOGENS AND OSHA 29 CFR 1910, Z

OTHER EFFECTS

ACUTE	Acute oral toxicity (mice, 24 hours): LD 50 = 760 + or - 146 mg/kg
CHRONIC	Not determined; no chronic effects expected

SECTION 12 -- ECOLOGICAL INFORMATION

BIODEGRADABILITY		CONSIDERED BIODEGRADABLE	X		NOT BIODEGRADABLE	
BOD / COD VALUE	Not established					
ECOTOXICITY	Tablet solutions may be toxic to fish and other water organisms.					

SECTION 13 -- DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD	Small amounts of unused product may be flushed safely to the sanitary sewer with plenty of water. Contact local water board before flushing large amounts. Large amounts may be disposed of in a sanitary landfill. Contact state or local authorities for additional restrictions.					
RCRA CLASSIFICATION	Non-hazardous					
RECYCLE CONTAINER		YES		CODE		NO X

SECTION 14 -- TRANSPORT INFORMATION

DOT CLASSIFICATION		HAZARDOUS			NOT HAZARDOUS	X
DESCRIPTION	Not applicable					
SYSCO HM CODE	None					

SECTION 15 -- REGULATORY INFORMATION

REGULATORY STATUS

X	EPA REGISTERED (UNDER FIFRA)	1561-12-29055
X	FDA REGULATED	Subpart F of Food Additives Amendment
	KOSHER	
	SARA TITLE III MATERIAL	
X	USDA AUTHORIZED	Category D2
	CANADA WHMIS	

SECTION 16 -- OTHER INFORMATION

NFPA CLASSIFICATION

1	BLUE	HEALTH HAZARD
1	RED	FLAMMABILITY
0	YELLOW	REACTIVITY
--	WHITE	SPECIAL HAZARD

Information contained in this MSDS refers only to the specific material designated and does not relate to any process or use involving other materials. This information is based on data believed to be reliable, and the Product is intended to be used in a manner that is customary and reasonably foreseeable. Since actual use and handling are beyond our control, no warranty, express or implied, is made and no liability is assumed by Sysco in connection with the use of this information.