



# MATERIAL SAFETY DATA SHEET

## SECTION 1 -- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	Top Load	PACK	1 / 25 lb.
PRODUCT CODE	4764494		

ISSUE DATE	02-10-01
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### EMERGENCY TELEPHONE NUMBERS

Medical Information: (800) 228-5635 x161

Transportation: (800) 424-9300 \*

\* For spill, leak, fire or transport accident emergencies.

Product Information: (281) 584-1790

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

## SECTION 2 -- COMPOSITION / INFORMATION ON INGREDIENTS

### HAZARDOUS COMPONENT

### EXPOSURE LIMITS

* -- (see note below)	CAS No.	% by wt.	OSHA PEL	ACGIH TLV	NIOSH REL
Sodium carbonate	497-19-8	86	None	None	None
Sodium metasilicate	6834-92-0	4	None	None	None
Nonylphenol ethoxylate	9016-45-9	4	None	None	None

\* -- Asterisk 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	May cause severe burns. Harmful or fatal if swallowed.
POTENTIAL HEALTH EFFECTS	
<b>INGESTION</b> .....	Can cause chemical burns of mouth, throat, stomach and mucous membranes.
<b>INHALATION</b> .....	Inhalation of dust may cause toxic effects.
<b>EYE CONTACT</b> .....	Causes severe eye irritation and possible chemical burns.
<b>SKIN CONTACT</b> .....	Prolonged or repeated contact can cause skin irritation or burns.

**SECTION 4 -- FIRST AID MEASURES**

INGESTION	If swallowed, DO NOT induce vomiting. Immediately drink a large quantity of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.
INHALATION	If exposed to excessive levels of dust, remove to fresh air and get medical attention if cough or 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.
NOTE TO PHYSICIAN	Treatment based on judgment of the physician in response to reactions of the patient.

**SECTION 5 -- FIRE FIGHTING MEASURES**

FLASH POINT / METHOD	None / N.A.	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	Sweep up and place in a disposal container. Mop up or flush residue to drain with water.
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**SECTION 7 -- HANDLING AND STORAGE**

HANDLING PRECAUTIONS	Wash hands before eating. Remove and launder contaminated clothing before re-use. Keep container tightly closed when not in use.
STORAGE PRECAUTIONS	Store in a cool dry place.

**SECTION 8 -- EXPOSURE CONTROLS / PERSONAL PROTECTION**

HYGIENIC PRACTICES	Normal procedures for good hygiene. Avoid breathing product dusts. Avoid contact with use solutions, as these may also be hazardous.
ENGINEERING CONTROLS	No special ventilation requirements. Facilities using this product should be equipped with an eyewash station.

**PERSONAL PROTECTIVE EQUIPMENT**

	<b>RESPIRATOR</b>	Not necessary
X	<b>GOGGLES / FACE SHIELD</b>	Required; goggles should be chemical splash type
	<b>APRON</b>	Not necessary
X	<b>GLOVES</b>	Required; PVC, Neoprene or Nitrile acceptable
	<b>BOOTS</b>	Not necessary

**SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Blue powder	BOILING POINT	Not applicable
ODOR	Citrus	FREEZING POINT	Not applicable
pH	11.8 (1% solution)	VAPOR PRESSURE	Not applicable
SPECIFIC GRAVITY	N.A.	VAPOR DENSITY	Not applicable
SOLUBILITY IN WATER	Complete	EVAPORATION RATE	Not applicable

**SECTION 10 -- STABILITY AND REACTIVITY**

CHEMICAL STABILITY		<b>STABLE</b>	X		<b>UNSTABLE</b>	
<b>CONDITIONS TO AVOID</b>	No special precautions beyond standard safe industrial practices. Do not mix with anything but water.					
INCOMPATIBILITY	Contact with mineral acids produces exothermic reaction with release of carbon dioxide gas.					
HAZARDOUS PRODUCTS OF DECOMPOSITION	None					
POLYMERIZATION		<b>WILL NOT OCCUR</b>	X		<b>MAY OCCUR</b>	
<b>CONDITIONS TO AVOID</b>	Not applicable					

**SECTION 11 -- TOXICOLOGICAL INFORMATION****CARCINOGENICITY**

	THIS PRODUCT CONTAINS A KNOWN OR SUSPECTED CARCINOGEN
X	<b>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</b>

**OTHER EFFECTS**

<b>ACUTE</b>	Not determined
<b>CHRONIC</b>	Not determined

**SECTION 12 -- ECOLOGICAL INFORMATION**

BIODEGRADABILITY		CONSIDERED BIODEGRADABLE	X		NOT BIODEGRADABLE	
BOD / COD VALUE	Not established					
ECOTOXICITY	No data available					

**SECTION 13 -- DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL METHOD	Small amounts of unused product may be flushed to the sanitary sewer with plenty of water or disposed of in a sanitary landfill. Contact state or local authorities for additional restrictions. Empty containers may be offered for recycling or disposed of in a sanitary landfill.								
RCRA CLASSIFICATION	Non-hazardous								
RECYCLE CONTAINER		YES	X		CODE	2 - HDPE		NO	

**SECTION 14 -- TRANSPORT INFORMATION**

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

**SECTION 15 -- REGULATORY INFORMATION**

## REGULATORY STATUS

	EPA REGISTERED (UNDER FIFRA)	
	FDA REGULATED	
X	KOSHER	
	SARA TITLE III MATERIAL	
	USDA AUTHORIZED	
X	CANADA WHMIS	Controlled Product, Class E - Corrosive Material

**SECTION 16 -- OTHER INFORMATION**

## NFPA CLASSIFICATION

2	BLUE	HEALTH HAZARD
0	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.