

MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA's Hazard Communication Standard CFR 1910.1200 and OSHA Form 174.

N/A SIGNIFIES NON-APPLICABLE

IDENTITY AND SUPPLIERS INFORMATION

PRODUCT NAME:	TOTAL C185	CHEMICAL FAMILY:	ALKALINE DETERGENT	<table><tr><th>NFPA HAZARDOUS MATERIALS IDENTIFICATION SYSTEM</th><th>RATING</th></tr><tr><td>HEALTH</td><td>3</td></tr><tr><td>FLAMMABILITY</td><td>0</td></tr><tr><td>REACTIVITY</td><td>1</td></tr><tr><td>MAX PERSONAL PROTECTION</td><td>C</td></tr></table>	NFPA HAZARDOUS MATERIALS IDENTIFICATION SYSTEM	RATING	HEALTH	3	FLAMMABILITY	0	REACTIVITY	1	MAX PERSONAL PROTECTION	C
NFPA HAZARDOUS MATERIALS IDENTIFICATION SYSTEM	RATING													
HEALTH	3													
FLAMMABILITY	0													
REACTIVITY	1													
MAX PERSONAL PROTECTION	C													
GENERIC NAME:	LIQUID LAUNDRY DETERGENT	FORMULA:	PROPRIETARY											
SUPPLIER'S NAME:	GENERAL PRODUCTS & SUPPLY, INC.	PHONE NUMBER:	(724) 327-7200											
SUPPLIER'S ADDRESS:	101 TECHNOLOGY LANE	EMERGENCY NO.:	800-255-3924											
	EXPORT, PA 15632													
PROPER SHIPPING NAME:	CORROSIVE LIQUID, N.O.S. CONTAINING CAUSTIC POTASH UN1760													

SECTION 1 - INGREDIENT IDENTIFICATION AND INFORMATION

CHEMICAL NAME	CARC.	CAS NO.	WT %	SARA III	PEL	TWA-TLV	STEL-TLV
Potassium hydroxide, liquid	No	1310-58-3	>20	No	C2mg/m3	C2mg/m3	N/A
Sodium nitrilotriacetate	No	18662-53-8	>8	No	1 mg/m3	1 mg/m3	2 mg/m3
N sodium silicate	No	1344-09-8	>8	No	5 mg/m3		
Polyacrylate polymer	No	N/A Mixture	>4	No			

SECTION 2 - PHYSICAL/CHEMICAL PROPERTIES

SECTION 3 - FIRE/EXPLOSION HAZARD DATA

BOILING POINT:	+212°F	FLAMMABILITY: (FLAME PROJECTION)	N/A	AUTO IGNITION TEMP:	N/A
VAPOR PRESSURE: (mm Hg)	18@68 °F	FLASH POINT:	None T.O.C.		
VAPOR DENSITY:	>1	FLAMMABILITY LIMITS:	%UEL N/A	%LEL	N/A
SOLUBILITY IN WATER:	Complete	EXTINGUISHER MEDIA:	Water, dry foam, CO2		
SPECIFIC GRAVITY:	1.24	SPECIAL FIRE FIGHTING PROCEDURES:	None		
pH RANGE:	13.0-14.0	UNUSUAL FIRE/EXP. HAZARDS:	None		
EVAPORATION RATE: (Ether=1)	<1				
PHYSICAL DESCRIPTION:	Clear, red liquid of light viscosity with characteristic odor.				

SECTION 4 - REACTIVITY HAZARD DATA

STABILITY:	Stable
HAZARDOUS POLYMERIZATION:	Will not occur
INCOMPATIBILITY:	Strong acids
CONDITIONS TO AVOID:	N/A
HAZARDOUS DECOMPOSITION PRODUCTS:	Alkaline vapors in fire

SECTION 5 - HEALTH HAZARD DATA AND FIRST AID

PRIMARY ROUTES OF ENTRY:		FIRST AID PROCEDURES:	
ACUTE EFFECTS:			
SKIN:	Skin irritant. Prolonged or repeated contact can cause chemical burns or dermatitis.	SKIN:	Remove contaminated clothing. Flush exposed areas with large quantities of water. Seek medical attention if irritation persists.
EYES:	Severe eye irritant. Prolonged contact may cause burns or permanent eye damage.	EYES:	Flush eyes with large quantities of clear cool water, holding eyelids open. Seek medical attention if irritation persists.
INHALATION:	Irritating to mucous membranes of the nose, throat and lungs. May cause coughing, chest pain, breathing difficulties.	INHALATION:	Get to fresh air. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist.
INGESTION:	Extremely corrosive to mouth & throat. Can result in severe burns. May cause abdominal pain, nausea & vomiting.	INGESTION:	DO NOT INDUCE VOMITING. Drink large amounts of water or milk to dilute in stomach. Seek immediate medical attention.

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

RESPIRATORY PROTECTION:	Use in well-ventilated area.
PROTECTIVE GLOVES:	Chemical resistant.
EYE PROTECTION:	Chemical splash goggles.
VENTILATION REQUIREMENTS:	Local exhaust.
OTHER PROTECTIVE CLOTHING:	Waterproof apron recommended.
EYE PROTECTION:	Do not eat, drink or smoke in work area. Wash hands after handling. Launder contaminated clothing.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED:	Contain spill. Mop up or otherwise absorb and hold for disposal. Flush area to avoid slip hazard.
WASTE DISPOSAL METHODS:	Any method in accordance with federal, state and local laws.
PRECAUTIONS IN HANDLING AND STORAGE:	Store in original shipping containers. Keep closed when not in use. Shelf life 1 year. Protect from extreme heat or cold.
OTHER PRECAUTIONS:	Read and follow label directions. Keep out of reach of children. Keep away from sources of heat, sparks or flames.

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without any warranty or guarantee of any kind.