

MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	SSS ROYAL TOUCH LIQUID BUILT DETERGENT		
PRODUCT CODE	17010	MANUFACTURED FOR	Triple S
ISSUE DATE	04/10/01	STREET ADDRESS	2 Executive Park Drive
SUPERCEDES	06/21/99	CITY, STATE ZIP	Billerica, MA 01862
		PHONE	(978) 667 7900

EMERGENCY TELEPHONE NUMBER
1-800-535-5053

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS No.	EXPOSURE LIMITS			OTHER LIMITS
		OSHA PEL/TLV	ACGIH TLV	STEL	
Potassium hydroxide	1310-58-3	2 mg/m ³	2 mg/m ³	None	Unknown

SECTION 3 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW	<p>Causes severe chemical burns.</p> <p>Harmful or fatal if swallowed.</p> <p>Eye contact may cause blindness.</p> <p>Vapors can damage respiratory tract.</p>
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POTENTIAL HEALTH EFFECTS	
INGESTION	Corrosive and causes severe and permanent damage to mouth, throat, and stomach. May be fatal if swallowed.
INHALATION	Damages airways and lungs, depending upon amount and duration of exposure. Effects can vary from irritation to bronchitis or pneumonia.
EYE CONTACT	Severely corrosive to the eyes, and may cause permanent damage, including blindness.
SKIN CONTACT	Corrosive; causes severe skin burns. Harmful contact may not cause immediate pain.

SECTION 4 – FIRST AID MEASURES

INGESTION	Drink large quantities of water. DO NOT INDUCE VOMITING. See a physician immediately.
INHALATION	Do not produce aerosols. If mists are produced, leave area. If irritation persists, see a physician.
EYE CONTACT	Flush with water for 15 minutes. See a physician immediately.
SKIN CONTACT	Flush with water. Remove contaminated clothing. Do not re-wear until washed. If irritation persists, see a physician.
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	ND/NA	FLAMMABLE LIMITS	ND
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% VOLATILE	NA
EXTINGUISHING MEDIA	Water, CO ₂ , dry chemical
SPECIAL FIRE FIGHTING PROCEDURES	Firefighters should wear a self-contained breathing apparatus as in all chemical fires.
FIRE AND EXPLOSION HAZARDS	None

SECTION 6 – ACCIDENTAL RELEASE MEASURES

RESPONSE TO SPILLS	Absorb with an inert material such as clay or diatomaceous earth. Collect and drum.
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SECTION 7 – HANDLING AND STORAGE

HANDLING PRECAUTIONS	Wash hands before eating. Keep container tightly closed when not in use.
STORAGE PRECAUTIONS	Store away from reactive metals and acids.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTIONS

HYGIENIC PRACTICES	Normal procedures for good hygiene. Observe label precautions. Use personal protection equipment.
ENGINEERING CONTROLS	Use general mechanical ventilation to remove vapors at the source. Eyewash station is recommended.

X	RESPIRATOR	Recommended for irritating mists; NIOSH approved type
X	GOGGLES / FACE SHIELD	Required; goggles should be chemical splash type
X	APRON	Recommended
X	GLOVES	Required; chemical resistant type
X	BOOTS	Recommended

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Colorless to light amber	BOILING POINT	< 212° F
ODOR	Not discernable	VAPOR PRESSURE	ND
pH	>12.0	VAPOR DENSITY	ND
SPECIFIC GRAVITY	1.250	EVAPORATION RATE (butyl acetate=1)	NA
SOLUBILITY IN WATER	ND		

SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY		STABLE	X		UNSTABLE	
CONDITIONS TO AVOID	No special precautions beyond standard safe industrial practices.					
INCOMPATIBILITY	Acids, aluminum, tin, zinc (will produce H ₂ gas on these metals)					
HAZARDOUS PRODUCTS OF DECOMPOSITION	Oxides of carbon and sulfur					
POLYMERIZATION		WILL NOT OCCUR	X		MAY OCCUR	
CONDITIONS TO AVOID	None					

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	Material is corrosive to animal tissues. Any condition that could be worsened by irritation is potentially vulnerable.
CHRONIC	Same as above
ORAL LD/50	Unknown

SECTION 12 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL	Dispose of material in RCRA approved facility.
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SECTION 13 – TRANSPORT INFORMATION

DOT CLASSIFICATION		HAZARDOUS	X		NOT HAZARDOUS
DESCRIPTION	Corrosive liquid, n.o.s. (contains potassium hydroxide) 8, UN 1760, PG II				
SEATEX HM CODE	170				

SECTION 14 – OTHER INFORMATION

HMIS CLASSIFICATION

2	BLUE	HEALTH HAZARD
0	RED	FLAMMABILITY
0	YELLOW	REACTIVITY
Alk	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 Triple S in connection with the use of this information.