

# MATERIAL SAFETY DATA SHEET

## SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>PRODUCT NAME</b>	SSS ROYAL TOUCH POWDER BUILT DETERGENT		
<b>PRODUCT CODE</b>	17021	MANUFACTURED FOR	Triple S
<b>ISSUE DATE</b>	05/03/01	STREET ADDRESS	2 Executive Park Drive
<b>SUPERCEDES</b>	11/17/99	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.	OSHA PEL/TLV	EXPOSURE LIMITS		OTHER LIMITS
			ACGIH TLV	STEL	
Sodium hydroxide	1310-73-2	2 mg/ m <sup>3</sup>	2 mg/m <sup>3</sup>	NA	NA
Sodium metasilicate, anhydrous	6834-92-0	NE	NE	NE	NA

## SECTION 3 – HAZARDS IDENTIFICATION

<b>EMERGENCY OVERVIEW</b>	Causes severe burns. Harmful if swallowed. Harmful if inhalation exposure limits are exceeded.
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POTENTIAL HEALTH EFFECTS	
<b>INGESTION</b> .....	Irritation or burning to mucous membranes
<b>INHALATION</b> .....	Irritation or burning to mucous membranes
<b>EYE CONTACT</b> .....	Irritation or burning
<b>SKIN CONTACT</b> .....	Irritation or burning

## SECTION 4 – FIRST AID MEASURES

INGESTION	Drink a large quantity of milk or water. DO NOT INDUCE VOMITING. See a physician immediately.
INHALATION	Dust may produce severe irritation. If difficulty in breathing occurs, leave area immediately and do not return until dust has settled.
EYE CONTACT	Flush with water for 15 minutes. See a physician immediately.
SKIN CONTACT	Flush with water for at least 15 minutes. Do not wear contaminated clothing. 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	NA	FLAMMABLE LIMITS	NA
% VOLATILE	NA		
EXTINGUISHING MEDIA	Dry chemical, water mist alcohol foam		

SPECIAL FIRE FIGHTING PROCEDURES	Firefighters should wear a self-contained breathing apparatus as in all chemical fires.
FIRE AND EXPLOSION HAZARDS	Strong solutions of this material will react with aluminum, zinc, or their alloys to produce hydrogen, which can form explosive mixtures in air.

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

RESPONSE TO SPILLS	Sweep up and collect spilled material taking care to avoid raising dust. Dilute residual with dilute acidic acid (vinegar) to less than pH of 10.
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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 in a cool dry place

**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.

	<b>RESPIRATOR</b>	None required when kept below TLV's
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	Light brown powder	BOILING POINT	NA
ODOR	NA	VAPOR PRESSURE	NA
PH 1%	>12.0	VAPOR DENSITY	NA
SPECIFIC GRAVITY	NA	EVAPORATION RATE (butyl acetate=1)	NA
SOLUBILITY IN WATER	ND		

**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.					
INCOMPATIBILITY	Moisture					
HAZARDOUS PRODUCTS OF DECOMPOSITION	Oxides of carbon					
POLYMERIZATION		<b>WILL NOT OCCUR</b>	X		<b>MAY OCCUR</b>	
<b>CONDITIONS TO AVOID</b>	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

<b>ACUTE</b>	Dust is irritating to eyes and mucous membranes. Causes burns to eyes, skin, mucous membranes. May be toxic if swallowed.
<b>CHRONIC</b>	N/K
<b>ORAL LD/50</b>	Unknown

**SECTION 12 – DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL	Flush diluted material to sewer.
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**SECTION 13 – TRANSPORT INFORMATION**

DOT CLASSIFICATION		<b>HAZARDOUS</b>	X		<b>NOT HAZARDOUS</b>	
<b>DESCRIPTION</b>	Corrosive solid, n.o.s. (contains sodium hydroxide and sodium metasilicate, anhydrous), 8, UN 1759, PG II.					
SEATEX HM CODE	191					

**SECTION 14 – OTHER INFORMATION**

## HMIS CLASSIFICATION

2	<b>BLUE</b>	HEALTH HAZARD
0	<b>RED</b>	FLAMMABILITY
1	<b>YELLOW</b>	REACTIVITY
Alk	<b>WHITE</b>	SPECIAL HAZARD

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