

MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	SSS ROYAL TOUCH POWDER SOUR		
PRODUCT CODE	17019	MANUFACTURED FOR	Triple S
ISSUE DATE	12/19/00	STREET ADDRESS	2 Executive Park Drive
SUPERCEDES	08/15/00	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.	<u>EXPOSURE LIMITS</u>			
		OSHA PEL/TLV	ACGIH TLV	STEL	OTHER LIMITS
Sodium silicofluoride	16893-85-9	2.5 mg/m3	2.5mg/m3	N/A	N/A

SECTION 3 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW	Causes eye irritation Harmful if swallowed Harmful if inhalation exposure limits are exceeded.
POTENTIAL HEALTH EFFECTS	
INGESTION	Ingestion may cause nausea, vomiting, bleeding, diarrhea, weakness, visual disturbance, convulsions central nervous system (CNS) depression. Symptoms of early to moderate central nervous system (CNS) depression include giddiness, dizziness, confusion, drunken behavior, headache, nausea, diarrhea, vomiting, tiredness and drowsiness. In extreme cases, symptoms of central nervous system (CNS) depression include stupor, convulsions, unconsciousness, coma, and even death.
INHALATION	Inhalation may cause irritation, bleeding, weakness, breathing difficulty, lowered calcium level in the blood (hypocalcemia) central nervous system (CNS) depression. Symptoms of early to moderate central nervous system (CNS) depression include giddiness, dizziness, confusion, drunken behavior, headache, nausea, diarrhea, vomiting, tiredness and drowsiness. In extreme cases, symptoms of central nervous system (CNS) depression include stupor, convulsions, unconsciousness, coma, and even death. Prolonged or repeated overexposure by inhalation may cause nausea, vomiting, and loss of appetite.
EYE CONTACT	Contact with eyes may cause irritation.
SKIN CONTACT	Skin contact may cause irritation, central nervous system (CNS) depression. Absorption thru skin may cause symptoms described under inhalation and ingestion. May be absorbed in harmful amounts.

SECTION 4 – FIRST AID MEASURES

INGESTION	Do not induce vomiting. Rinse mouth with water. Dilute stomach contents by drinking water. If vomiting occurs spontaneously, keep head below hips to prevent breathing vomit into lungs. Call a physician immediately.
INHALATION	Remove to fresh air. If not breathing give artificial respiration, preferably mouth to mouth. If breathing is difficult give oxygen. Call a physician.
EYE CONTACT	Flush with water for 15 minutes while holding lids apart. See a physician immediately.
SKIN CONTACT	Flush skin with water for 15 minutes. Follow by neutralization with milk of magnesia. See a doctor immediately.

NOTE TO
PHYSICIAN

Treatment based on judgement of the physician in response to reactions of the patient

SECTION 5 – FIRE FIGHTING MEASURES

FLASH POINT / METHOD	N/A	FLAMMABLE LIMITS	N/A
% VOLATILE	N/A		
EXTINGUISHING MEDIA	Water mist, dry chemical, alcohol foam, CO2		
SPECIAL FIRE FIGHTING PROCEDURES	Firefighters should wear a self-contained breathing apparatus as in all chemical fires.		
FIRE AND EXPLOSION HAZARDS	Toxic fumes may be released.		

SECTION 6 – ACCIDENTAL RELEASE MEASURESRESPONSE
TO SPILLS

For small spills, neutralize with hydrated lime, soda ash or sodium bicarbonate.

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.

X	RESPIRATOR	Required: when TLV' exceeded
	GOGGLES / FACE SHIELD	Required: goggles should be chemical splash type
X	APRON	Required
X	GLOVES	Required: PVC, Neoprene or Nitrile acceptable
X	BOOTS	Required; rubber

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	White powder	BOILING POINT	N/A
ODOR	N/A	VAPOR PRESSURE	N/A
PH	N/A	VAPOR DENSITY	N/A
SPECIFIC GRAVITY	2.75	EVAPORATION RATE (butyl acetate=1)	N/A
SOLUBILITY IN WATER	N/A		

SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY		STABLE	X		UNSTABLE	
CONDITIONS TO AVOID	Temperatures above 150 deg. C					
INCOMPATIBILITY	Inorganic acids.					
HAZARDOUS PRODUCTS OF DECOMPOSITION	Hydrogen fluoride, fumes of metal oxides, carbon monoxide, carbon dioxide.					
POLYMERIZATION		WILL NOT OCCUR	X		MAY OCCUR	

CONDITIONS TO AVOID

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	Burns to skin and mucous membranes.
CHRONIC	N/K
ORAL LD/50	125 mg/kg

SECTION 12 – DISPOSAL CONSIDERATIONS

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

DOT CLASSIFICATION		HAZARDOUS	X		NOT HAZARDOUS	
DESCRIPTION	Toxic					
SEATEX HM CODE	210					

SECTION 14 – OTHER INFORMATION

HMIS CLASSIFICATION

2	BLUE	HEALTH HAZARD
0	RED	FLAMMABILITY
0	YELLOW	REACTIVITY
Tox	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.