

MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	SSS ROYAL TOUCH LIQUID SOUR		
PRODUCT CODE	17007	MANUFACTURED FOR	Triple S
ISSUE DATE	04/10/01	STREET ADDRESS	2 Executive Park Drive
SUPERCEDES	06/08/00	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>			OTHER LIMITS
		OSHA PEL/TLV	ACGIH TLV	STEL	
Phosphoric Acid	7664-27-7	1 mg/m ³	1 mg/m ³	3 mg/m ³	None

SECTION 3 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW	MAY CAUSE BURNS OR SEVERE IRRITATION TO EYES AND SKIN.
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POTENTIAL HEALTH EFFECTS	
INGESTION	Irritation to gastrointestinal tract mucosa
INHALATION	Irritation to respiratory tract mucosa
EYE CONTACT	Burns or severe irritation
SKIN CONTACT	Burns or severe irritation on prolonged exposure

SECTION 4 – FIRST AID MEASURES

INGESTION	Drink large quantities of water or milk. DO NOT INDUCE VOMITING. See a physician immediately.
INHALATION	Remove victim to fresh air. If not breathing, give artificial respiration. Get medical help immediately.
EYE CONTACT	Flush with water for fifteen minutes. See a physician immediately.
SKIN CONTACT	Flush with water. Remove 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	N/A	FLAMMABLE LIMITS	LEL-N/A UEL-N/A
% VOLATILE	N/A		
EXTINGUISHING MEDIA	Water mist, dry chemical, co2, alcohol foam		
SPECIAL FIRE FIGHTING PROCEDURES	Firefighters should wear a self-contained breathing apparatus as in all chemical fires.		
FIRE AND EXPLOSION HAZARDS	Will react with zinc and aluminum to form hydrogen gas, which may accumulate to explosive concentrations.		

SECTION 6 – ACCIDENTAL RELEASE MEASURESRESPONSE
TO SPILLS

Stop leak, dilute spilled material with sodium bicarbonate solution or chalk dust to greater pH 6.5

SECTION 7 – HANDLING AND STORAGEHANDLING
PRECAUTIONSWash hands before eating.
Keep container tightly closed when not in use.STORAGE
PRECAUTIONS

Store in a dry, cool place away from active metals

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTIONS

HYGIENIC PRACTICES

Normal procedures for good hygiene. Observe label precautions. Use personal protection equipment.

ENGINEERING CONTROLS

No special ventilation requirements.
** OR **
Use general mechanical ventilation to remove vapors at the source.
Eyewash station is recommended.
** OR **
Use local exhaust to remove vapors at the source. Eyewash station recommended.

	RESPIRATOR	Not required
X	GOGGLES / FACE SHIELD	Required; goggles should be chemical splash type
	APRON	Not required
X	GLOVES	Required; gloves should be chemical resistant type
	BOOTS	Not required

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear liquid with a slight blue tinge	BOILING POINT	212° F.
ODOR	Acidic	VAPOR PRESSURE	N/A
pH	<2.0	VAPOR DENSITY	N/A
SPECIFIC GRAVITY	1.130	EVAPORATION RATE (butyl acetate=1)	<1
SOLUBILITY IN WATER	N/A		

SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY		STABLE	X		UNSTABLE
CONDITIONS TO AVOID	Reacts with metals (mild steel, zinc and aluminum). Will also react with alkaline materials.				
INCOMPATIBILITY	Concentrated bases, aluminum, zinc				
HAZARDOUS PRODUCTS OF DECOMPOSITION	Phosphorous pentoxide; carbon dioxide				
POLYMERIZATION		WILL NOT OCCUR	X		MAY OCCUR
CONDITIONS TO AVOID	Contact with bases, aluminum, or zinc				

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
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OTHER EFFECTS

ACUTE	Irritation or burns to exposed mucous membranes
CHRONIC	Unknown
ORAL LD/50	Unknown

SECTION 12 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL	After neutralizing, material may be flushed to sewer
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SECTION 13 – TRANSPORT INFORMATION

DOT CLASSIFICATION		HAZARDOUS	X		NOT HAZARDOUS
DESCRIPTION	Corrosive liquid, n.o.s. (contains phosphoric acid) 8, UN1760, PG II.				
SEATEX HM CODE	130				

SECTION 14 – OTHER INFORMATION

HMIS CLASSIFICATION

2	BLUE	HEALTH HAZARD
0	RED	FLAMMABILITY
0	YELLOW	REACTIVITY
ACID	WHITE	SPECIAL HAZARD

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