

MATERIAL SAFETY DATA SHEET

Date-Issued: 10-31-2003
MSDS Ref. No: S-6
Revision No: New MSDS
STS

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: STS

GENERAL USE: For professional drycleaning use only.

PRODUCT DESCRIPTION: Sizing

PRODUCT CODE: STS-US

MANUFACTURER

R. R. Street & Co. Inc.
184 Shuman Boulevard
Naperville, IL 60563

Product Stewardship: 800-323-7206

24 HR. EMERGENCY TELEPHONE NUMBERS

Medical Emergency: 800-228-5635

Transportation Emergency: 800-424-9300

2. COMPOSITION / INFORMATION ON INGREDIENTS

The specific identity of the component(s) of this product is withheld as a trade secret.

<u>Chemical Name</u>	<u>Wt.%</u>	<u>CAS#</u>
(trade secret #1)	-	-

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYES: May cause eye irritation.

SKIN: May cause skin irritation. Prolonged or repeated contact may cause dermatitis.

SKIN ABSORPTION: Not applicable.

INGESTION: May cause vomiting. Vomit may be aspirated into lungs causing, possibly fatal, chemical pneumonia.

INHALATION: Can cause central nervous system depression (including unconsciousness and death).

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Irritation.

SKIN: Irritation, burning sensation, redness, swelling

SKIN ABSORPTION: Not applicable.

INGESTION: Nausea.

INHALATION: Headache, dizziness, nausea, loss of coordination

MEDICAL CONDITIONS AGGRAVATED: Pre-existing eye, skin and respiratory disorders.

ROUTES OF ENTRY: Inhalation and skin.

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

SKIN: Remove contaminated clothing. Wash with soap and water.

INGESTION: Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. Get medical attention.

ADDITIONAL INFORMATION: After emergency actions, call the emergency medical information number on page 1 or a physician immediately.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: >60°C (140°F) TCC

FLAMMABLE LIMITS: 0.8% to 6%

AUTOIGNITION TEMPERATURE: 235°C (455°F) to 316°C (600°F)

FLAMMABLE CLASS: NFPA Class IIIA

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, foam, water spray or fog.

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, carbon monoxide.

FIRE FIGHTING EQUIPMENT: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL:

Absorb the liquid and scrub the area with detergent and water.

LARGE SPILL:

Extinguish all ignition sources. Avoid breathing vapor. Contain spill. Clean up spills immediately with absorbent material, observing precautions in the Protective Equipment section. Place absorbed material in closed containers for disposal. Do not flush to sewer.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Keep away from heat, sparks and flame.

HANDLING:

Follow all MSDS/label precautions even after container is emptied because it may retain product residues.

STORAGE:

Store in labeled, tightly sealed containers in a cool, dry, well ventilated area.

ELECTROSTATIC ACCUMULATION HAZARD: Ground and bond containers when transferring material.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**EXPOSURE GUIDELINES:****OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)****EXPOSURE LIMITS**

	<u>OSHA PEL</u>		<u>ACGIH TLV</u>		<u>Supplier OEL</u>	
	<u>ppm</u>	<u>mg/m³</u>	<u>ppm</u>	<u>mg/m³</u>	<u>ppm</u>	<u>mg/m³</u>
(trade secret #1)						
	TWA	500			100	
	STEL	NE ^[1]			NE	

OSHA TABLE COMMENTS:

1. NE=Not established.

The specific identity of the component(s) of this product is withheld as a trade secret.

ENGINEERING CONTROLS: Good general ventilation should be sufficient to control airborne levels.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses with side shields (or goggles) and a face shield.

SKIN: Nitrile or Barrier™ gloves.

RESPIRATORY: NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

PROTECTIVE CLOTHING: Where contact is likely, wear chemical resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield.

WORK HYGIENIC PRACTICES: Wash thoroughly after handling. Do not smoke in presence of vapor. Do not eat or drink in work area.

OTHER USE PRECAUTIONS: Have eye wash station available. Do not wear contact lenses without eye protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Viscous liquid.

ODOR: Petroleum.

APPEARANCE: Clear.

COLOR: Light yellow.

pH: Not applicable.

PERCENT VOLATILE: ~45

VAPOR PRESSURE: <1 mm Hg at 20°C

VAPOR DENSITY: ~5 (Air=1)

BOILING POINT: >188°C (370°F)

FREEZING POINT: <0°C (32°F)

SOLUBILITY IN WATER: Negligible.

EVAPORATION RATE: <0.1 Butyl acetate = 1

SPECIFIC GRAVITY: 0.89

VISCOSITY: ~1500cps at 20°C (68°F)

COEFF. OIL/WATER: No data available.

ODOR THRESHOLD: No data available.

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

CONDITIONS TO AVOID: None.

STABILITY: Stable.

POLYMERIZATION: Will not occur.

INCOMPATIBLE MATERIALS: Oxidizing materials.

11. TOXICOLOGICAL INFORMATION**ACUTE**

ORAL LD₅₀: >10000 mg/kg (rat)

INHALATION LC₅₀: >700 ppm (rat)

CHRONIC: Repeated overexposure may cause neurological effects

TARGET ORGANS: Prolonged inhalation exposure to a component of this product has caused toxic effects in the kidneys, adaptive liver changes, and slight anemia in rats; relevance to humans is unknown.

CARCINOGENICITY:

IARC: Not listed as a carcinogen.

NTP: Not listed as a carcinogen.

OSHA: Not listed as a carcinogen.

OTHER: Animal data indicates that repeated dermal exposures that cause severe irritation may cause or promote skin cancer.

SYNERGISTIC MATERIALS: No data available.

GENERAL COMMENTS: Refer to Section 3 for additional information on potential health effects.

12. ECOLOGICAL INFORMATION

GENERAL COMMENTS: No data available.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Incinerate or dispose of in accordance with federal, state and local regulations.

EMPTY CONTAINER: Do not cut or weld full or empty drums.

RCRA/EPA WASTE INFORMATION: Contains no material listed by RCRA as a hazardous waste.

14. TRANSPORT INFORMATION**DOT (DEPARTMENT OF TRANSPORTATION)**

PROPER SHIPPING NAME: Not regulated if shipped by ground.

CANADA TRANSPORT OF DANGEROUS GOODS

PROPER SHIPPING NAME: Not regulated if shipped by ground.

AIR (ICAO/IATA)**PROPER SHIPPING NAME:** Combustible Liquid, NOS**PRIMARY HAZARD CLASS/DIVISION:** Combustible Liquid**UN/NA NUMBER:** NA1993**PACKING GROUP:** III**PLACARDS:** Consult applicable regulations governing air shipments.**LABEL:** Consult applicable regulations governing air shipments.**IATA NOTE:** Original product packaging is not approved for air shipments.**15. REGULATORY INFORMATION****UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)****311/312 HAZARD CATEGORIES:****FIRE:** Yes **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes
CHRONIC: Yes**313 REPORTABLE INGREDIENTS:** None.**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)****CERCLA RQ:** Not applicable.**RCRA STATUS:** See section 13.**CANADA****WHMIS CLASS:** Class B, Division 3 and Class D, Division 2**MEXICO**

Not applicable.

STATE REGULATIONS**MASSACHUSETTS**

Contains one or more substances named on the Massachusetts Substance List. Code # 99-013-005.

CALIFORNIA**PROPOSITION 65 STATEMENT:** Not applicable.**16. OTHER INFORMATION**

HMIS RATINGS:	
HEALTH:	1
FLAMMABILITY:	2
REACTIVITY:	0
PERSONAL PROTECTION:	H

NFPA RATINGS: