

# MATERIAL SAFETY DATA SHEET

Date Issued: 10-24-2012  
Streepene

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## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Streepene

**GENERAL USE:** For professional drycleaning use only.

**PRODUCT DESCRIPTION:** Stain Removal Agent

### MANUFACTURER

R. R. Street & Co. Inc.  
215 Shuman Boulevard/Suite 403  
Naperville, IL 60563

**Product Information:** 800-323-7206 (USA  
& Canada only) or 630-416-4244

### 24 HR. EMERGENCY TELEPHONE NUMBERS

**Medical Emergency:** 866-303-6947 (USA & Canada  
only) or 651-632-9272

**Transportation Emergency:** 800-424-9300 (USA &  
Canada only) or 703-527-3887

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## 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Wt.%</u>	<u>CAS#</u>
Sodium hydrosulfite	>90 -	7775-14-6

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## 3. HAZARDS IDENTIFICATION

### POTENTIAL HEALTH EFFECTS

**EYES:** May cause severe irritation.

**SKIN:** Repeated prolonged contact may cause skin allergy.

**SKIN ABSORPTION:** Low toxicity.

**INGESTION:** May be harmful if swallowed. May cause damage or burns of the mouth, throat, esophagus, stomach.

**INHALATION:** May cause damage to nose, throat, lungs. May cause bronchospasms, pulmonary edema, respiratory failure.

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**EYES:** Irritation.

**SKIN:** Irritation, drying, chapping, rash.

**SKIN ABSORPTION:** No data available.

**INGESTION:** Nausea, vomiting, abdominal cramps, diarrhea.

**INHALATION:** Respiratory irritation, cough, shortness of breath.

**MEDICAL CONDITIONS AGGRAVATED:** Asthma. Persons with asthma or other respiratory disease should not be exposed. May cause severe respiratory distress in persons with asthma.

**ROUTES OF ENTRY:** Inhalation.

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#### 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 water. Consult a physician if irritation persists.

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

**INHALATION:** Remove affected person 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.

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#### 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** Not applicable.

**FLAMMABLE LIMITS:** Not applicable.

**AUTOIGNITION TEMPERATURE:** 250°C (482°F)

**FLAMMABLE CLASS:** Spontaneously Combustible

**EXTINGUISHING MEDIA:** Large quantities of water.

**HAZARDOUS COMBUSTION PRODUCTS:** Sulfur dioxide, sulfur.

**OTHER CONSIDERATIONS:** Closed containers may rupture violently when heated.

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

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#### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Flush with large amount of water.

**LARGE SPILL:** Avoid breathing dust or vapor. Sweep up dry material immediately, observing precautions in the Protective Equipment section. Place in closed containers for disposal if not moist (see section 13). Promptly remove containers if material becomes wetted. Do not flush to sewer.

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#### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Not applicable.

**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. Keep material dry and store below a temperature of 50°C (122°F).

**ELECTROSTATIC ACCUMULATION:** Not applicable.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE GUIDELINES:

#### OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

		<u>EXPOSURE LIMITS</u>					
		<u>OSHA PEL</u>		<u>ACGIH TLV</u>		<u>Supplier OEL</u>	
		<u>ppm</u>	<u>mg/m<sup>3</sup></u>	<u>ppm</u>	<u>mg/m<sup>3</sup></u>	<u>ppm</u>	<u>mg/m<sup>3</sup></u>
Sodium hydrosulfite	TWA		15		NE <sup>[1]</sup>		5
	STEL		NE		NE		NE

### TABLE FOOTNOTES:

1. NE=Not established.

**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:** Rubber or Barrier™ gloves.

**RESPIRATORY:** NIOSH/MSHA approved sulfur dioxide or acid gas respirator with dust pre-filter 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 the appropriate chemical resistant equipment, which depending on circumstances may include gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield.

**WORK HYGIENIC PRACTICES:** Wash thoroughly after handling. Do not eat or drink in work area.

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

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Solid.

**ODOR:** Pungent.

**APPEARANCE:** Fine granular.

**COLOR:** White.

**pH:** 4 (1% solution)

**PERCENT VOLATILE:** Not applicable.

**VAPOR PRESSURE:** Not applicable.

**BOILING POINT:** Not applicable.

**FREEZING POINT:** Not applicable.

**THERMAL DECOMPOSITION:** ~70°C (158°F)

**SOLUBILITY IN WATER:** 18 g/100 mL at 20°C (68°F)

**EVAPORATION RATE:** Not applicable.

**SPECIFIC GRAVITY:** 0.88 to 1.02

**VISCOSITY:** Not applicable.

**COEFF. OIL/WATER:** -2.75 to -4.7

**ODOR THRESHOLD:** 5 ppm (sulfur dioxide)

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## 10. STABILITY AND REACTIVITY

**STABLE:** Yes. Unstable when wet or at temperatures above 120°F. Decomposes at 70 – 151°C (158 – 304°F)

**HAZARDOUS POLYMERIZATION:** No.

**CONDITIONS TO AVOID:** Moisture or heat above 120°F, exposure to air.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Hydrogen sulfide, sulfur dioxide, sulfur.

**INCOMPATIBLE MATERIALS:** Small amounts of water, oxidizing agents (i.e., chlorine bleach or peroxide), acidic materials, sulfides.

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## 11. TOXICOLOGICAL INFORMATION

### ACUTE

**DERMAL LD<sub>50</sub>:** >10000 mg/kg (rabbit).

**ORAL LD<sub>50</sub>:** 2500 mg/kg (rat).

**INHALATION LC<sub>50</sub>:** No data available.

### CHRONIC

**TARGET ORGANS:** No data available.

**SENSITIZATION:** May be a sensitizer for persons allergic to sulfites.

### CARCINOGENICITY

**IARC:** Not listed as a carcinogen.

**NTP:** Not listed as a carcinogen.

**OSHA:** Not listed as a carcinogen.

**OTHER:** No data available.

**OTHER:** Has caused injury to skin in laboratory animals.

**REPRODUCTIVE EFFECTS:** No data available.

**MUTAGENICITY:** Not mutagenic.

**SYNERGISTIC MATERIALS:** No data available.

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

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## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Slightly toxic to aquatic organisms.

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## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Contaminated material must be disposed of in a permitted waste management facility. Consult federal, state and local authorities for approved procedures.

**EMPTY CONTAINER:** Not applicable.

**RCRA/EPA WASTE INFORMATION:** Contains material(s) that are reactive wastes as defined by RCRA.

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**14. TRANSPORT INFORMATION****DOT (DEPARTMENT OF TRANSPORTATION)****PROPER SHIPPING NAME:** Sodium hydrosulfite**TECHNICAL NAME:** Not applicable.**PRIMARY HAZARD CLASS/DIVISION:** 4.2**UN/NA NUMBER:** UN1384**PACKING GROUP:** II**LABEL:** Spontaneously Combustible**OTHER SHIPPING INFORMATION:** Not applicable.**CANADA TRANSPORT OF DANGEROUS GOODS****PROPER SHIPPING NAME:** Sodium hydrosulfite**PRIMARY HAZARD CLASS/DIVISION:** 4.2**UN/NA NUMBER:** UN1384**PACKING GROUP:** II**LABEL:** Spontaneously Combustible**PLACARDS:** Consult applicable regulations governing air shipments.**OTHER SHIPPING INFORMATION:** Not applicable.**AIR (ICAO/IATA)****PROPER SHIPPING NAME:** Sodium hydrosulfite**PRIMARY HAZARD CLASS/DIVISION:** 4.2**UN/NA NUMBER:** UN1384**PACKING GROUP:** II**LABEL:** Spontaneously Combustible**PLACARDS:** Consult applicable regulations governing air shipments.**IATA NOTE:** Consult applicable regulations on quantity limitations.

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**15. REGULATORY INFORMATION****UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)****304 EHS REPORTABLE QUANTITY:** 500 lbs (SO<sub>2</sub>)**311/312 HAZARD CATEGORIES:****FIRE:** Yes. **PRESSURE GENERATING:** No. **REACTIVITY:** Yes. **ACUTE:** Yes.  
**CHRONIC:** No.**313 REPORTABLE INGREDIENTS:** None.**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)****CERCLA RQ:** Not applicable.**REPORTABLE SPILL QUANTITY:** Not applicable.**RCRA STATUS:** See section 13.**CANADA****WHMIS CLASS:** Class B, Division 6; Class D, Division 2B and Class F**MEXICO**

Regulated for transport.

**STATE REGULATIONS****MASSACHUSETTS**

Contains one or more substances regulated by the Massachusetts Substance List.

**CALIFORNIA**

PROPOSITION 65 STATEMENT: This product contains no ingredients known to the state of California to cause cancer, birth defects, or other reproductive harm.

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**16. OTHER INFORMATION**

<b>HMIS RATINGS</b>	
HEALTH	2
FLAMMABILITY	1
REACTIVITY	2
PERSONAL PROTECTION	B

**NFPA RATINGS**