

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Ready Strip

OTHER MEANS OF IDENTIFICATION: Not applicable.

GENERAL USE: For professional drycleaning and laundry 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

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Skin Corrosion/ Irritation: Category 1

Serious Eye Damage/Irritation: Category 1

Acute Toxicity – Oral: Category 2

Carcinogenicity: Category 2

GHS LABEL ELEMENTS

Symbol(s):



Signal Word: Danger

Hazard Statements:

H314 – Causes severe skin burns and eye damage.

H302 – Harmful if swallowed.

H332 – Harmful if inhaled.

H351 – Suspected of causing cancer.

Precautionary Statements:

P261 – Avoid breathing dust/ mist/ vapours.

P264 – Wash hands thoroughly after handling.

P280 -- Wear protective gloves/eye protection/protective clothing.

P301+P310 – IF SWALLOWED: Immediately call a POISON CENTER.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin/hair with water for at least 15 minutes.

P304+P340 – IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 – IF IN EYES: Rinse cautiously with water for 15 minutes or more. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 – Immediately call a POISON CENTER.

P363 – Wash contaminated clothing before reuse.

P501 – Dispose of contents and container to licensed, permitted incinerator, or other thermal destruction device.

Other Hazards: Not available.

Unknown Acute Toxicity: Not applicable.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Wt.%</u>	<u>CAS#</u>
Titanium sulfate	< 30	13825-74-6
Sulfuric acid	< 10	7732-18-5

COMMENTS: None.

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.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Severe irritation.

SKIN: Severe irritation.

SKIN ABSORPTION: Insufficient data available.

INGESTION: Irritation of mouth and throat.

INHALATION: May cause irritation of nose, throat, upper respiratory tract.

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

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Not applicable

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

HAZARDOUS COMBUSTION PRODUCTS: Not applicable.

OTHER CONSIDERATIONS: No data available.

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: Clean up spill with absorbent material and water, if necessary.

LARGE SPILL: Provide plenty of fresh air. Contain spill. Avoid breathing vapor. Clean up spills immediately with absorbent material or neutralize with soda ash, observing precautions in the Exposure Controls/Personal Protection section (see section 8). Place absorbed/neutralized material in closed containers for disposal (see section 13). Do not flush to sewer. Avoid contamination of ground and surface waters.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: No data available.

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

STORAGE: Store in labeled, tightly sealed containers. Avoid storage temperatures above 110°F or below 40°F for extended periods.

ELECTROSTATIC ACCUMULATION HAZARD: Not applicable.

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>
Titanium sulfate	TWA	NE ^[1]		NE		
	STEL	NE		NE		
Sulfuric acid	TWA	1		0.2 ^[2]		
	STEL	NE		NE		

TABLE FOOTNOTES

1. NE = Not Established.
2. A2: Suspected human carcinogen. (Classification refers to sulfuric acid contained in strong inorganic acid mists.)

ENGINEERING CONTROLS: Not applicable.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses with side shields, or goggles.

SKIN: Neoprene or Barrier™ gloves.

RESPIRATORY: NIOSH/MSHA approved sulfur dioxide or acid gas respirator 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: May have some sediment.

PHYSICAL STATE: Liquid.

COLOR: Dark purple.

ODOR: Mild acrid odor.

ODOR THRESHOLD: No data available.

pH: 1

FREEZING POINT: <0°C (32°F)

INITIAL BOILING POINT: >100°C (212°F)

FLASHPOINT: Not applicable.

EVAPORATION RATE: ~0.3 (butyl acetate = 1)

FLAMMABILITY (Solid, Gas): Not applicable, this product is a liquid at room temperature.

FLAMMABLE LIMITS: Not applicable.

VAPOR PRESSURE: <17 mm Hg at 20°C

VAPOR DENSITY: >1 (air=1)

RELATIVE DENSITY: 1.3

SOLUBILITY IN WATER: Miscible.

PARTITION COEFFICIENT (Log K_{ow}): No data available.

AUTOIGNITION TEMPERATURE: No data available.

DECOMPOSITION TEMPERATURE: No data available.

VISCOSITY: No data available.

PERCENT VOLATILE: ~87

10. STABILITY AND REACTIVITY

REACTIVITY: No.

CHEMICAL STABILITY: Stable.

POSSIBILITY OF HAZARDOUS REACTIONS: Polymerization will not occur.

CONDITIONS TO AVOID: Heat.

INCOMPATIBLE MATERIALS: Strong bases, organics, combustibles, and reactive metals.

HAZARDOUS DECOMPOSITION PRODUCTS: Fumes of sulfuric acid and hydrogen in presence of reactive metals.

11. TOXICOLOGICAL INFORMATION

ROUTES OF EXPOSURE: Inhalation and skin.

ACUTE TOXICITY (ATE):

DERMAL LD₅₀: Insufficient data available.

ORAL LD₅₀: Insufficient data available.

INHALATION LC₅₀: 375 mg/m³ (rat)

CHRONIC

TARGET ORGANS: Insufficient data available.

SENSITIZATION: Insufficient data available.

CARCINOGENICITY

IARC: Not listed as a carcinogen.

NTP: Not listed as a carcinogen.

OSHA: Not listed as a carcinogen.

OTHER: ACGIH: See section 8 footnote.

OTHER: No data available.

REPRODUCTIVE EFFECTS: Insufficient data available.

MUTAGENICITY: Insufficient data available.

SYNERGISTIC MATERIALS: No data available.

POTENTIAL HEALTH EFFECTS

EYES: May cause burns.

SKIN: Corrosive to skin. May cause delayed burns.

SKIN ABSORPTION: Insufficient data available.

INGESTION: Harmful if swallowed. May cause burns to mouth and throat.

ASPIRATION HAZARD: No.

INHALATION: Insufficient data available.

MEDICAL CONDITIONS AGGRAVATED: Insufficient data available.

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

12. ECOLOGICAL INFORMATION

ECOTOXICITY: Product is slightly toxic.

PERSISTENCE AND DEGRADABILITY: Insufficient data available.

BIOACCUMULATIVE POTENTIAL: Insufficient data available.

MOBILITY IN SOIL: Insufficient data available.

OTHER ADVERSE EFFECTS: No data available.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with federal, state and local regulations.

EMPTY CONTAINER: Not applicable.

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

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

PROPER SHIPPING NAME: Corrosive Liquid, NOS

TECHNICAL NAME: Sulfuric acid

PRIMARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: UN1760

PACKING GROUP: II

LABEL: Cases of 6 one-pint bottles and individual one-pint cartons are Limited Quantities. No Corrosive (Class 8) label required when shipped by ground.

OTHER SHIPPING INFORMATION: Original product packaging is labeled, marked, and approved for ground shipments only.

CANADA TRANSPORT OF DANGEROUS GOODS

PROPER SHIPPING NAME: Corrosive Liquid, NOS

TECHNICAL NAME: Sulfuric acid

PRIMARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: UN1760

PACKING GROUP: II

LABEL: Cases of 6 one-pint bottles and individual one-pint cartons are Limited Quantities. No Corrosive (Class 8) label required when shipped by ground.

OTHER SHIPPING INFORMATION: Original product packaging is labeled, marked, and approved for ground shipments only.

AIR (ICAO/IATA)

PROPER SHIPPING NAME: Corrosive Liquid, NOS

TECHNICAL NAME: Sulfuric acid

PRIMARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: UN1760

PACKING GROUP: II

LABEL: Corrosive Liquid (Class 8) label required when shipped by air.

PLACARDS: Consult applicable regulations governing air shipments.

IATA NOTE: Original product packaging is not approved for air shipment. Consult applicable regulations on packaging requirements and quantity limitations.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES:

FIRE: No. **PRESSURE GENERATING:** No. **REACTIVITY:** No. **ACUTE:** Yes.

CHRONIC: No.

313 REPORTABLE INGREDIENTS: None.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA RQ: Sulfuric acid has an RQ of 1000 lbs.

REPORTABLE SPILL QUANTITY: > 1800 gals

RCRA STATUS: See section 13.

MEXICO

Regulated for transportation.

STATE REGULATIONS

MASSACHUSETTS

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

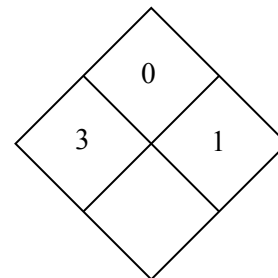
CALIFORNIA

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

16. OTHER INFORMATION

HMIS RATINGS	
HEALTH:	3
FLAMMABILITY:	0
REACTIVITY:	1
PERSONAL PROTECTION:	H

NFPA RATINGS



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