

MATERIAL SAFETY DATA SHEET

Date-Issued: 10/23/2000
MSDS Ref. No: M-2
Revision No: New MSDS

Mulsolite

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Mulsolite®

GENERAL USE: For professional drycleaning use only.

PRODUCT DESCRIPTION: Stain Removal Agent

PRODUCT CODE: MUL-US

MANUFACTURER

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

Product Stewardship: 800-323-7206

Transportation: 800-424-9300

24 HR. EMERGENCY TELEPHONE NUMBERS

Emergency Phone: 800-228-5635

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>	<u>EINECS#</u>
(trade secret #1)	-	-	-
(trade secret #2)	-	-	-
(trade secret #3)	-	-	-

COMMENTS:

#1 = glycol ether, <10%

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYES: Substance may cause substantial eye irritation and possible damage.

SKIN: May cause skin irritation.

SKIN ABSORPTION: May penetrate skin readily resulting in absorption of potentially harmful amounts.

INGESTION: Moderately toxic. May be absorbed and produce central nervous system depression; in extreme cases unconsciousness and death.

INHALATION: Toxic if inhaled.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Severe irritation.

SKIN: Irritation.

SKIN ABSORPTION: No data available.

INGESTION: Headache, dizziness and nausea.

INHALATION: Irritation of the nose, throat and upper respiratory tract.

ACUTE TOXICITY:

No data available.

CHRONIC:

No data available.

CARCINOGENICITY:

Not applicable.

MUTAGENICITY:

Not applicable.

REPRODUCTIVE TOXICITY

REPRODUCTIVE EFFECTS: Not applicable.

TERATOGENIC EFFECTS: Not applicable.

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

ROUTES OF ENTRY: Inhalation and skin.

TARGET ORGAN STATEMENT: See section 11.

CANCER STATEMENT: Does not contain any substance(s) listed as carcinogenic.

3. HAZARDS IDENTIFICATION_(continued)

SENSITIZATION: Not applicable.

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.

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: Not applicable.

AUTOIGNITION TEMPERATURE: Not applicable.

FLAMMABLE CLASS: Not applicable.

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

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, carbon monoxide, oxides of sulfur.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL:

Flush with water or clean up with absorbent material and place in closed containers for disposal.

LARGE SPILL:

Contain spill. Avoid breathing vapor. Clean up spills immediately with absorbent material. Place absorbed material in closed containers for disposal. Flush residual with water.

7. HANDLING AND STORAGE

HANDLING:

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

STORAGE:

Store in labeled, tightly sealed containers.

SHELF LIFE: 1 year, minimum.

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/m³</u>	<u>ppm</u>	<u>mg/m³</u>	<u>ppm</u>	<u>mg/m³</u>
(trade secret #1)	TWA	50* ^[1]			20*	
	STEL	NE ^[2]			NE	
(trade secret #2)	TWA	NE			NE	
	STEL	NE			C 25	
(trade secret #3)	TWA	NE			NE	
	STEL	NE			NE	

OSHA TABLE COMMENTS:

1. * = Skin

2. NE=Not established.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION_(continued)

PERSONAL PROTECTIVE EQUIPMENT

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

SKIN: Wear neoprene or Barrier(tm) 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 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: Liquid.

ODOR: Mild.

APPEARANCE: Clear.

COLOR: Light yellow to amber.

pH: 7

PERCENT VOLATILE: 85

VAPOR PRESSURE: ~17 mm Hg at 20°C

VAPOR DENSITY: ~3 (Air=1)

BOILING POINT: ~99°C (211°F)

FREEZING POINT: <0°C (32°F)

SOLUBILITY IN WATER: Miscible.

EVAPORATION RATE: ~0.3 Butyl acetate = 1

SPECIFIC GRAVITY: 1.02

COEFF. OIL/WATER: No data available.

ODOR THRESHOLD: No data available.

COMMENTS:

PERCENT VOLATILE: Approximate.

10. STABILITY AND REACTIVITY

STABLE: YES

HAZARDOUS POLYMERIZATION: NO

CONDITIONS TO AVOID: None.

STABILITY: Stable.

POLYMERIZATION: Will not occur.

INCOMPATIBLE MATERIALS: Strong alkalis, strong oxidizers.

11. TOXICOLOGICAL INFORMATION

ACUTE

ORAL LD₅₀: ~3000 mg/kg (rat)

INHALATION LC₅₀: ~450 ppm (rat)

Glycol ether

TARGET ORGANS: A component of this product has caused hemolysis of blood in rats; not considered relevant to humans. Rats exposed to 1000 ppm of a component of this product for 90 days showed evidence of kidney damage; relevance to humans unknown.

CARCINOGENICITY:

IARC: Not listed as a carcinogen.

NTP: Not listed as a carcinogen.

OSHA: Not listed as a carcinogen.

SYNERGISTIC MATERIALS: No data available.

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

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: All components are biodegradable.

13. DISPOSAL CONSIDERATIONS

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

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.

CANADA TRANSPORT OF DANGEROUS GOODS

PROPER SHIPPING NAME: Not regulated.

AIR (ICAO/IATA)

PROPER SHIPPING NAME: Not regulated.

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: YES

313 REPORTABLE INGREDIENTS: Ingredient 1 is reportable.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA RQ: Not applicable.

RCRA STATUS: See section 13.

CANADA

WHMIS CLASS: Class D, Division 2

STATE REGULATIONS

MASSACHUSETTS

Contains one or more substances named on the Massachusetts Substance List. Code # 99-013-009.

CALIFORNIA

PROPOSITION 65 STATEMENT: Not applicable.

16. OTHER INFORMATION

NFPA CODES

HEALTH: 2 FIRE: 0 REACTIVITY: 0

HMIS CODES

HEALTH: 2 FIRE: 0 REACTIVITY: 0 PROTECTION: H