

MATERIAL SAFETY DATA SHEET

Date-Issued: 10/19/2000
MSDS Ref. No: A-1
Revision Date: 04/03/2002
Revision No: 1

AquaSOLV

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: AquaSOLV
GENERAL USE: For professional drycleaning use only.
PRODUCT DESCRIPTION: Stain Removal Agent
PRODUCT CODE: AQS-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)	-	-	-
(trade secret #4)	-	-	-

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYES: Causes eye irritation.
SKIN: May cause skin irritation.

3. HAZARDS IDENTIFICATION (continued)

SKIN ABSORPTION: Extensive, prolonged or repeated exposure can result in significant absorption.

INGESTION: Substance is harmful if swallowed. Large exposure may be fatal.

INHALATION: May cause coughing, shortness of breath, dizziness, intoxication, and unconsciousness.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Irritation and redness.

SKIN: Irritation.

SKIN ABSORPTION: No data available.

INGESTION: No data available.

INHALATION: Irritation of the eyes, nose and throat, headache, drowsiness, dizziness and light headedness.

ACUTE TOXICITY:

If ingested, vomiting may occur; vomit may be aspirated into lungs causing chemical pneumonia.

CHRONIC:

Prolonged or repeated contact may cause dermatitis.

CARCINOGENICITY:

Not applicable.

MUTAGENICITY:

Not applicable.

REPRODUCTIVE TOXICITY

REPRODUCTIVE EFFECTS: Not applicable.

TERATOGENIC EFFECTS: Not applicable.

MEDICAL CONDITIONS AGGRAVATED: Pre-existing CNS disorders, asthma and other respiratory conditions.

ROUTES OF ENTRY: Inhalation and skin.

TARGET ORGAN STATEMENT: No data available.

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

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: 46°C (115°F)TCC

FLAMMABLE LIMITS: 0.7-1.3 to 6.1-16.9

AUTOIGNITION TEMPERATURE: Not available.

FLAMMABLE CLASS: NFPA Class II

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:

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

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.

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, well ventilated area.

SHELF LIFE: 1 year, minimum.

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

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	NE			NE	
	STEL	NE			NE	
(trade secret #2)	TWA	NE			NE	
	STEL	NE			NE	
(trade secret #3)	TWA	NE ⁽¹⁾			100	
	STEL	NE			150	
(trade secret #4)	TWA	NE			NE	
	STEL	NE			NE	

OSHA TABLE COMMENTS:

1. NE=Not established.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION (continued)

ENGINEERING CONTROLS: Local exhaust may be required to control vapor concentration.

PERSONAL PROTECTIVE EQUIPMENT

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

SKIN: Wear nitrile 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.

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: Liquid.

ODOR: Citrus.

APPEARANCE: Clear.

COLOR: Colorless to light yellow.

pH: 8

PERCENT VOLATILE: 90

VAPOR PRESSURE: <17 mm Hg at 20°C

VAPOR DENSITY: >1 (Air=1)

BOILING POINT: ~100°C (212°F)

FREEZING POINT: <0°C (32°F)

SOLUBILITY IN WATER: Dispersible.

EVAPORATION RATE: ~0.2 Butyl acetate = 1

SPECIFIC GRAVITY: 0.94

COEFF. OIL/WATER: No data available.

ODOR THRESHOLD: No data available.

COMMENTS:

PERCENT VOLATILE: Approximate.

BOILING POINT: Initial boiling point.

10. STABILITY AND REACTIVITY

STABLE: YES

HAZARDOUS POLYMERIZATION: NO

CONDITIONS TO AVOID: None.

STABILITY: Stable.

POLYMERIZATION: Will not occur.

INCOMPATIBLE MATERIALS: Strong alkalies, strong oxidizers, extended contact with air.

11. TOXICOLOGICAL INFORMATION

ACUTE

ORAL LD₅₀: >5000 mg/kg (rat)

INHALATION LC₅₀: Not available.

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

GENERAL COMMENTS: No data available.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Recovered liquids may be sent to a licensed reclaimer or incineration facility. Contaminated material must be disposed of in a permitted waste management facility. Consult federal, state and local authorities for approved procedures.

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

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not regulated if shipped by ground.

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

AIR (ICAO/IATA)

PROPER SHIPPING NAME: Flammable Liquid, NOS

PRIMARY HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: UN1993

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

Regulated for transportation.

15. REGULATORY INFORMATION (continued)

STATE REGULATIONS

MASSACHUSETTS

Contains one or more substances named on the Massachusetts Substance List.

CALIFORNIA

PROPOSITION 65 STATEMENT: Not applicable.

16. OTHER INFORMATION

NFPA CODES

HEALTH: 1 FIRE: 2 REACTIVITY: 0

HMIS CODES

HEALTH: 1 FIRE: 2 REACTIVITY: 0 PROTECTION: H