

MATERIAL SAFETY DATA SHEET

Date Issued: 10-24-2012

Merasol

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Merasol**GENERAL USE:** For professional drycleaning use only.**PRODUCT DESCRIPTION:** Drycleaning Detergent**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. COMPOSITION / INFORMATION ON INGREDIENTS

The specific identities of one or more components of this product are withheld as a trade secret.

<u>Chemical Name</u>	<u>Wt.%</u>	<u>CAS#</u>
(trade secret #1)	-	-
(trade secret #2)	-	-
(trade secret #3)	-	-
Diethanolamine	< 1	111-42-2
1,3-Dimethylol-5,5-dimethylhydantoin		6440-58-0

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS**EYES:** No data available.**SKIN:** May cause inflammation. Prolonged or repeated contact may cause dermatitis.**SKIN ABSORPTION:** No data available.**INGESTION:** May cause pneumonitis, pulmonary edema, central nervous system depression, convulsions, unconsciousness. In the case of vomiting after ingestion, product may be aspirated into lungs causing chemical pneumonia, which in extreme cases could lead to death. See section 4, First Aid Measures, for more information.**INHALATION:** May cause central nervous system depression, convulsions, unconsciousness.**SIGNS AND SYMPTOMS OF OVEREXPOSURE****EYES:** Irritation.**SKIN:** Irritation.**SKIN ABSORPTION:** No data available.**INGESTION:** Headache, drowsiness, nausea, fatigue**INHALATION:** Headache, drowsiness, nausea, fatigue, respiratory irritation, shortness of breath.

MEDICAL CONDITIONS AGGRAVATED: Skin disorders.

ROUTES OF ENTRY: 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 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.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: None (PMCC).

FLAMMABLE LIMITS: 1% to 6%

AUTOIGNITION TEMPERATURE: Not available.

FLAMMABLE CLASS: NFPA Class IIIB.

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

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

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: Contain spill. Avoid breathing vapor. Clean up spills immediately with absorbent material, observing precautions in the Protective Equipment section. Place absorbed 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: 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.

ELECTROSTATIC ACCUMULATION HAZARD: Not applicable.

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 ^[1]		NE			
	STEL	NE		NE			
(trade secret #2)	TWA		5		5		
	STEL		NE		10		
(trade secret #3)	TWA	NE		NE			
	STEL	NE		NE			
Diethanolamine	TWA		NE		1 ^{[2][3]}		
	STEL		NE		NE		
1,3-Dimethylol-5,5-dimethylhydantoin	TWA	NE		NE			
	STEL	NE		NE			

TABLE FOOTNOTES:

1. NE=Not established.
2. A3: Confirmed animal carcinogen with unknown relevance to humans.
3. Skin.

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ENGINEERING CONTROLS: Not applicable.

PERSONAL PROTECTIVE EQUIPMENT

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

SKIN: Rubber or Barrier™ gloves.

RESPIRATORY: None required under ordinary conditions.

PROTECTIVE CLOTHING: Where contact is likely, wear the appropriate chemical resistant equipment, which depending on circumstances may include 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: Viscous liquid.

ODOR: Mild.

APPEARANCE: Clear.

COLOR: Light yellow to amber.

pH: 7

PERCENT VOLATILE: ~16

VAPOR PRESSURE: <7 mm Hg at 20°C

VAPOR DENSITY: ~0.3 (air=1)

BOILING POINT: >100°C (212°F)

FREEZING POINT: <0°C (32°F)

SOLUBILITY IN WATER: Dispersible.
EVAPORATION RATE: <0.3 (butyl acetate = 1)
SPECIFIC GRAVITY: 0.98
VISCOSITY: ~700cps 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 known.
HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen sulfide.
INCOMPATIBLE MATERIALS: Strong alkalies, strong oxidizers.

11. TOXICOLOGICAL INFORMATION

ACUTE

DERMAL LD₅₀: No data available.
ORAL LD₅₀: No data available.
INHALATION LC₅₀: No data available.

CHRONIC

TARGET ORGANS: No data available.
SENSITIZATION: No data available.

CARCINOGENICITY

IARC: Not listed as a carcinogen.
NTP: Not listed as a carcinogen.
OSHA: Not listed as a carcinogen.
OTHER: Not applicable.

OTHER: No data available.

REPRODUCTIVE EFFECTS: No data available.

MUTAGENICITY: No data available.

SYNERGISTIC MATERIALS: No data available.

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

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Moderately toxic to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

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

EMPTY CONTAINER: Do not cut or weld 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.**OTHER SHIPPING INFORMATION:** Not applicable.**CANADA TRANSPORT OF DANGEROUS GOODS****PROPER SHIPPING NAME:** Not regulated.**OTHER SHIPPING INFORMATION:** Not applicable.**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:** yes. **PRESSURE GENERATING:** No. **REACTIVITY:** No. **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 D, Division 2**MEXICO**

Not applicable.

STATE REGULATIONS**MASSACHUSETTS**

Contains no substances regulated by the Massachusetts Substance List.

CALIFORNIA**PROPOSITION 65 STATEMENT:** This product contains a small amount of diethanolamine, which is on the Proposition 65 list of chemicals known to the State of California to cause cancer.**16. OTHER INFORMATION**

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

NFPA RATINGS