

MATERIAL SAFETY DATA SHEET

Date-Issued: 07/28/2000
MSDS Ref. No: P-2
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Revision No: 1

Pinnacle

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Pinnacle®

GENERAL USE: For professional drycleaning use only.

PRODUCT DESCRIPTION: Drycleaning Detergent

PRODUCT CODE: PIN-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)	-	-	-
(trade secret #5)	-	-	-
(trade secret #6)	-	-	-
1,3-Dimethylol-5,5-dimethylhydantoin		6440-58-0	

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

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

SKIN: May cause skin irritation.

SKIN ABSORPTION: Not applicable.

INGESTION: May cause irritation to the mouth, throat, esophagus and stomach. May cause vomiting.

INHALATION: Can cause central nervous system depression (including unconsciousness).

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Irritation and redness.

SKIN: Irritation.

SKIN ABSORPTION: Not applicable.

INGESTION: Nausea and vomiting.

INHALATION: Headache, dizziness, nausea.

ACUTE TOXICITY:

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

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: No data available.

3. HAZARDS IDENTIFICATION...

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 soap and 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: 68°C (154°F)PMCC

FLAMMABLE LIMITS: 1 to 9

AUTOIGNITION TEMPERATURE: Not available.

FLAMMABLE CLASS: NFPA Class IIIA

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

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

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:

Absorb the liquid and scrub the area with detergent and water.

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. Do not flush to sewer.

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 ⁽¹⁾	NE		300	
	STEL	NE	NE			
(trade secret #2)	TWA	NE	NE			
	STEL	NE	NE			
(trade secret #3)	TWA	NE	NE			
	STEL	NE	NE			
(trade secret #4)	TWA	NE	NE			
	STEL	NE	NE			
(trade secret #5)	TWA	NE	NE			
	STEL	NE	NE			
(trade secret #6)	TWA	NE	NE			
	STEL	NE	C 25			
1,3-Dimethylol-5,5-dimethylhydantoin	TWA	NE	NE			
	STEL	NE	NE			

8. EXPOSURE CONTROLS / PERSONAL PROTECTION (continued)

OSHA TABLE COMMENTS:

1. NE=Not established.

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

ENGINEERING CONTROLS: Good general ventilation should be sufficient to control airborne levels.

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 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: Viscous liquid.

ODOR: Mild.

APPEARANCE: Clear.

COLOR: Light yellow.

pH: 6

PERCENT VOLATILE: 25

VAPOR PRESSURE: <18 mm Hg at 20°C

VAPOR DENSITY: ~0.3 (Air=1)

9. PHYSICAL AND CHEMICAL PROPERTIES_(continued)

BOILING POINT: >100°C (212°F)
FREEZING POINT: <0°C (32°F)
SOLUBILITY IN WATER: Dispersible.
EVAPORATION RATE: ~5 Butyl acetate = 1
SPECIFIC GRAVITY: 1.0
VISCOSITY: ~600cps at 20°C (68°F)
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: Oxidizing materials.

11. TOXICOLOGICAL INFORMATION

ACUTE

ORAL LD₅₀: Not available.
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: May inhibit biological waste water treatment systems.

13. DISPOSAL CONSIDERATIONS

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

EMPTY CONTAINER: Do not cut or weld full or 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 if shipped by ground.

CANADA TRANSPORT OF DANGEROUS GOODS

PROPER SHIPPING NAME: Not regulated if shipped by ground.

AIR (ICAO/IATA)

PROPER SHIPPING NAME: Combustible Liquid, NOS

PRIMARY HAZARD CLASS/DIVISION: Combustible Liquid

UN/NA NUMBER: NA1993

PACKING GROUP: III

PLACARDS: Consult applicable regulations governing air shipments.

LABEL: Consult applicable regulations governing air shipments.

IATA NOTE: Consult IATA for quantity limitations.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES:

15. REGULATORY INFORMATION (continued)

**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.

RCRA STATUS: See section 13.

CANADA

WHMIS CLASS: Class B, Division 3 and Class D, Division 2

MEXICO

Not applicable.

STATE REGULATIONS

MASSACHUSETTS

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

CALIFORNIA

PROPOSITION 65 STATEMENT: Not applicable.

16. OTHER INFORMATION

REVISION SUMMARY

New MSDS

NFPA CODES

HEALTH: 2 FIRE: 2 REACTIVITY: 0

HMIS CODES

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