

# SAFETY DATA SHEET

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## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Pinnacle

**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

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## 2. HAZARDS IDENTIFICATION

### GHS CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Flammable Liquids: Category 4

Skin Corrosion/Irritation: Category 2

Eye Damage/Irritation: Category 2B

Carcinogenicity: Category 2

Specific Target Organ Toxicity (STOT-RE): Category 2

### GHS LABEL ELEMENTS

Symbol(s):



**Signal Word:** Warning

### Hazard Statements:

H227 – Combustible liquid.

H315 – Causes skin irritation.

H320 – Causes eye irritation.

H351 – Suspected of causing cancer.

H373 – May cause damage to organs through prolonged or repeated exposure.

### Precautionary Statements:

P201 – Obtain special instructions before use.

P202 – Do not handle until all safety precautions have been read and understood.

P210 – Keep away from heat/sparks/open flames/hot surfaces – No smoking.

P260 – Do not breathe dust/fume/gas/mist/vapors/spray.

P264 – Wash hands, forearms, and exposed areas thoroughly after handling.

P280 – Wear eye protection, protective gloves.

P302+P352 – IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P308+P313 – If exposed or concerned: Get medical advice/attention.  
 P314 – Get medical advice/attention if you feel unwell.  
 P332+P313 – If skin irritation occurs: Get medical advice/attention.  
 P337+P313 – If eye irritation persists: Get medical advice/attention.  
 P362 + P364 – Take off contaminated clothing and wash before reuse.  
 P370+P378 – In case of fire: Use water fog or fine spray, foam, carbon dioxide extinguishers, or dry chemical extinguishers for extinction.  
 P403+P233+P235 – Store in a well-ventilated place. Keep container tightly closed. Keep cool.  
 P501- Dispose of contents/container in accordance with local/regional/national/international regulations.

**Other Hazards:** Not available.

**Unknown Acute Toxicity:** 45% of the mixture consists of ingredient(s) of unknown acute toxicity.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

The specific identity 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	-	-
Trade Secret #4	-	-
Diethanolamine	< 1	111-42-2
1,3-Dimethylol-5,5-dimethylhydantoin	< 1	6440-58-0

### 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. 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:** Watering, redness, swelling, stinging.

**SKIN:** Redness, swelling, drying, itching, cracking.

**SKIN ABSORPTION:** No data available

**INGESTION:** Nausea, diarrhea, vomiting, dizziness, fatigue.

**INHALATION:** Headache, dizziness, drowsiness, anesthesia, respiratory irritation.

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

### 5. FIRE FIGHTING MEASURES

**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.

**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:** Extinguish all ignition sources. Avoid breathing vapor. Contain spill. Clean up spills immediately with absorbent material, observing precautions in the Exposure Controls/Protection section (see section 8). 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:** Keep away from heat, sparks and flame.

**HANDLING:** Follow all SDS/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.

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

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**EXPOSURE GUIDELINES:**

**OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)**

	<b>EXPOSURE LIMITS</b>					
	<b>OSHA PEL</b>		<b>ACGIH TLV</b>		<b>Supplier OEL</b>	
	<b>ppm</b>	<b>mg/m<sup>3</sup></b>	<b>ppm</b>	<b>mg/m<sup>3</sup></b>	<b>ppm</b>	<b>mg/m<sup>3</sup></b>
Trade Secret #1	<b>TWA</b>	NE <sup>[1]</sup>	NE		171	
	<b>STEL</b>	NE	NE			
Trade Secret #2	<b>TWA</b>	NE	NE			
	<b>STEL</b>	NE	NE			
Trade Secret #3	<b>TWA</b>	NE	NE			
	<b>STEL</b>	NE	NE			
Trade Secret #4	<b>TWA</b>	NE	NE			
	<b>STEL</b>	NE	NE			
Diethanolamine	<b>TWA</b>	NE		1 <sup>[2][3]</sup>		
	<b>STEL</b>	NE		NE		
1,3-Dimethylol-5,5-dimethylhydantoin	<b>TWA</b>	NE	NE			
	<b>STEL</b>	NE	NE			

**TABLE FOOTNOTES:**

1. NE=Not established.

2. A3: Confirmed animal carcinogen with unknown relevance to humans.

3. Skin.

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

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

#### **PERSONAL PROTECTIVE EQUIPMENT**

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

**SKIN:** Neoprene or Barrier™ 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 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 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.

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## **9. PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE:** Clear.

**PHYSICAL STATE:** Viscous liquid.

**COLOR:** Light yellow.

**ODOR:** Mild.

**ODOR THRESHOLD:** No data available.

**pH:** 6

**FREEZING POINT:** <0°C (32°F)

**INITIAL BOILING POINT:** >100°C (212°F)

**FLASHPOINT:** 68°C (154°F) PMCC

**EVAPORATION RATE:** ~0.3 (butyl acetate = 1)

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

**FLAMMABLE LIMITS:** 1% to 9%

**VAPOR PRESSURE:** <18 mm Hg at 20°C

**VAPOR DENSITY:** ~0.3 (air=1)

**RELATIVE DENSITY:** 1.0

**SOLUBILITY IN WATER:** Dispersible.

**PARTITION COEFFICIENT (Log K<sub>ow</sub>):** No data available.

**AUTOIGNITION TEMPERATURE:** Not available.

**DECOMPOSITION TEMPERATURE:** No data available.

**VISCOSITY:** ~600 cps at 20°C (68°F)

**PERCENT VOLATILE:** ~25

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## **10. STABILITY AND REACTIVITY**

**REACTIVITY:** No dangerous reactions known.

**CHEMICAL STABILITY:** Stable.

**POSSIBILITY OF HAZARDOUS REACTIONS:** Polymerization will not occur.

**CONDITIONS TO AVOID:** None known.

**INCOMPATIBLE MATERIALS:** Oxidizing materials.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Ammonia, oxides of nitrogen.

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## 11. TOXICOLOGICAL INFORMATION

**ROUTES OF ENTRY:** Inhalation and skin.

### ACUTE TOXICITY (ATE)

**DERMAL LD<sub>50</sub>:** Insufficient data available.

**ORAL LD<sub>50</sub>:** Insufficient available.

**INHALATION LC<sub>50</sub>:** Insufficient data available.

### CHRONIC

**TARGET ORGANS:** A component of this product has caused liver and kidney effects in laboratory animals; the relevance to humans is unknown.

**SENSITIZATION:** Insufficient data available.

### CARCINOGENICITY:

**IARC:** A component of this product is classified as Group 2B (Confirmed animal carcinogen with unknown relevance to humans).

**NTP:** Not listed as a carcinogen.

**OSHA:** Not listed as a carcinogen.

**OTHER: ACGIH:** A component of this product is classified as A3 (Confirmed animal carcinogen with unknown relevance to humans).

**OTHER:** No data available.

**REPRODUCTIVE EFFECTS:** Insufficient data available.

**MUTAGENICITY:** Insufficient data available.

**SYNERGISTIC MATERIALS:** No data available.

### POTENTIAL HEALTH EFFECTS

**EYES:** May cause severe irritation.

**SKIN:** May cause moderate irritation.

**SKIN ABSORPTION:** Insufficient data available.

**INGESTION:** May be harmful if swallowed.

**ASPIRATION HAZARD:** There is insufficient data available to classify this product as an aspiration hazard.

**INHALATION:** High concentrations (expected at high temperatures only) may cause effects of the central nervous system, unconsciousness, death.

**MEDICAL CONDITIONS AGGRAVATED:** Insufficient data available.

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## 12. ECOLOGICAL INFORMATION

**ECOTOXICITY:** Insufficient data available.

**PERSISTENCE AND DEGRADABILITY:** Insufficient data available.

**BIOACCUMULATIVE POTENTIAL:** Insufficient data available.

**MOBILITY IN SOIL:** Some components have the potential for high mobility in soil.

**OTHER ADVERSE EFFECTS:** No data available.

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### 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.

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### 14. TRANSPORT INFORMATION

#### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Not regulated if shipped by ground.

**OTHER SHIPPING INFORMATION:** Not applicable.

#### CANADA TRANSPORT OF DANGEROUS GOODS

**PROPER SHIPPING NAME:** Not regulated if shipped by ground.

**OTHER SHIPPING INFORMATION:** Not applicable.

#### AIR (ICAO/IATA)

**PROPER SHIPPING NAME:** Combustible Liquid, NOS

**PRIMARY HAZARD CLASS/DIVISION:** Combustible Liquid

**UN/NA NUMBER:** UN1993

**PACKING GROUP:** III

**LABEL:** Consult applicable regulations governing air shipments.

**PLACARDS:** Consult applicable regulations governing air shipments.

**IATA NOTE:** Consult IATA for quantity limitations.

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### 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.

#### MEXICO

Not applicable.

#### STATE REGULATIONS

##### MASSACHUSETTS

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

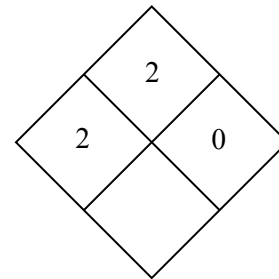
##### CALIFORNIA

**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.

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**16. OTHER INFORMATION**

<b>HMIS RATINGS</b>	
HEALTH:	2
FLAMMABILITY:	2
REACTIVITY:	0
PERSONAL PROTECTION:	B

**NFPA RATINGS****SDS Revision Date:** May 18, 2015