

MATERIAL SAFETY DATA SHEET

Date Issued: 2006-06-27

Pyratex Nu Tec

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Pyratex Nu Tec**GENERAL USE:** For professional drycleaning use only.**PRODUCT DESCRIPTION:** Stain Removal Agent**MANUFACTURER**R. R. Street & Co. Inc.
184 Shuman Boulevard
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)	-	-
(trade secret #4)	-	-

COMMENTS:

#2 = glycol ether, <30%

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS**EYES:** Substance may cause swelling, blurred vision, damage.**SKIN:** May cause swelling, blisters.**SKIN ABSORPTION:** No data available.**INGESTION:** Harmful if swallowed. If ingested, vomiting may occur; vomit may be aspirated into lungs causing chemical pneumonia.**INHALATION:** Toxic if inhaled.**SIGNS AND SYMPTOMS OF OVEREXPOSURE****EYES:** Irritation, pain, redness.**SKIN:** Irritation, redness**SKIN ABSORPTION:** No data available.**INGESTION:** No data available.**INHALATION:** Drowsiness, irritation of the respiratory tract.**MEDICAL CONDITIONS AGGRAVATED:** Pre-existing eye and skin disorders.**ROUTES OF ENTRY:** Inhalation and 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 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.

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: 70.5°C (159°F) TCC

FLAMMABLE LIMITS: No data available.

AUTOIGNITION TEMPERATURE: 238°C (460°F) to 268°C (514°F)

FLAMMABLE CLASS: NFPA Class IIIA

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: 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 Protective Equipment section. Place absorbed material in closed containers for disposal (see section 13). Product residues must not be allowed to enter drains, sewers, septic tank systems or watercourses, or to contaminate the ground.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Keep away from heat and flames.

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. An approved fire cabinet is recommended.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

EXPOSURE LIMITS

		<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	50 ^[2]		20 ^[3]			
	STEL	NE		NE			
(trade secret #3)	TWA	NE		NE			
	STEL	NE		NE			
(trade secret #4)	TWA	NE		C 25			
	STEL	NE		NE			

TABLE FOOTNOTES:

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

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

PERSONAL PROTECTIVE EQUIPMENT

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

SKIN: Butyl 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 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. Avoid breathing vapor.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid.
ODOR: Mild.
APPEARANCE: Clear.
COLOR: Light yellow to amber.
pH: 8
PERCENT VOLATILE: ~72
VAPOR PRESSURE: ~5 mm Hg at 20°C
VAPOR DENSITY: ~5 (air = 1)
BOILING POINT: ~110°C (230°F)
FREEZING POINT: <0°C (32°F)
SOLUBILITY IN WATER: Dispersible.
EVAPORATION RATE: ~0.1 (butyl acetate = 1)
SPECIFIC GRAVITY: 0.92
VISCOSITY: No data available.
COEFF. OIL/WATER: No data available.
ODOR THRESHOLD: 7 ppb

10. STABILITY AND REACTIVITY

STABLE: Yes.
HAZARDOUS POLYMERIZATION: No.
CONDITIONS TO AVOID: None.
HAZARDOUS DECOMPOSITION PRODUCTS: No data available.
INCOMPATIBLE MATERIALS: Oxidizing materials.

11. TOXICOLOGICAL INFORMATION**ACUTE**

DERMAL LD₅₀: No data available.
ORAL LD₅₀: ~1600 mg/kg (rat)
INHALATION LC₅₀: ~450 - >1100 ppm (rat)

CHRONIC

TARGET ORGANS: A component of this product has caused hemolysis of blood in rats; not considered relevant to humans. Components of this product caused liver and kidney effects in lab animals; the relevance to humans is unknown.

SENSITIZATION: No data available.

CARCINOGENICITY:

IARC: A component of this product is classified as Group 3.

NTP: Not listed as a carcinogen.

OSHA: Not listed as a carcinogen.

OTHER: A component of this product has been shown to induce a small increase in tumors in laboratory animals; the relevance to humans is unknown.

OTHER: No data available.

REPRODUCTIVE EFFECTS: A component of this product showed some fetotoxicity in lab animals exposed to high concentrations.

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: No data available.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Incinerate or dispose of in accordance with Federal, state and local regulations. Product residues must not be allowed to enter drains, sewers, septic tank systems or watercourses, or to contaminate the ground.

EMPTY CONTAINER: Not applicable.

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.

OTHER SHIPPING INFORMATION: Original 6 x one-gallon product packaging is labeled, marked, and approved for ground shipments only.

CANADA TRANSPORT OF DANGEROUS GOODS

PROPER SHIPPING NAME: Not regulated if shipped by ground.

OTHER SHIPPING INFORMATION: Original 6 x one-gallon product packaging is labeled, marked, and approved for ground shipments only.

AIR (ICAO/IATA)

PROPER SHIPPING NAME: Combustible Liquid, NOS

PRIMARY HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: NA1993

PACKING GROUP: Not applicable.

PLACARDS: Consult applicable regulations governing air shipments.

LABEL: Consult applicable regulations governing air shipments.

IATA NOTE: Original 6 x one-gallon product packaging is labeled, marked, and approved for ground shipments only. Consult applicable regulations on packaging requirements and quantity limitations.

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: Ingredient 2 is reportable.

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 B, Division 3 and Class D, Division 2

MEXICO

Not applicable.

STATE REGULATIONS

MASSACHUSETTS:

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

CALIFORNIA:

PROPOSITION 65 STATEMENT: Not applicable.

16. OTHER INFORMATION

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

NFPA RATINGS

