

MATERIAL SAFETY DATA SHEET

Date Issued: 10/24/2012

Pyratex

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Pyratex**GENERAL USE:** For professional drycleaning use only.**PRODUCT DESCRIPTION:** Stain Removal Agent**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 the 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:

1 = aliphatic carboxylic ester

2 = glycol ether, <30%

3 = aliphatic ketone, <15%

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS**EYES:** Substance may cause substantial eye irritation, swelling, blurred vision.**SKIN:** May cause swelling. Prolonged or repeated contact may cause dermatitis.**SKIN ABSORPTION:** Low toxicity.**INGESTION:** May be cause diarrhea, inflammation of mouth, esophagus and stomach, central nervous system depression; in extreme cases unconsciousness. If ingested, vomiting may occur. 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; extreme concentrations may cause unconsciousness or death.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Irritation, pain, redness.

SKIN: Irritation, redness

SKIN ABSORPTION: No data available.

INGESTION: Headache, dizziness, nausea, drowsiness.

INHALATION: Headache, dizziness, drowsiness, nausea, irritation of the respiratory tract, shortness of breath, chest pain, cough.

MEDICAL CONDITIONS AGGRAVATED: Pre-existing eye, skin, central nervous system, and respiratory 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: 40°C (104°F) COC

FLAMMABLE LIMITS: 1 - 2% to 7.5 - 15%

AUTOIGNITION TEMPERATURE: 244°C (471°F) to 460°C (860°F)

FLAMMABLE CLASS: NFPA Class IC

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. Provide plenty of fresh air. Contain spill. Avoid breathing vapor. Clean up spills immediately with absorbent material, observing precautions in the Personal 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: 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.

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	150		150			
	STEL	NE ^[1]		200			
(trade secret #2)	TWA	50 ^[2]		20 ^[3]			
	STEL	NE		NE			
(trade secret #3)	TWA	100		20 ^[3]		50	
	STEL	NE		75		75	
(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.

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 BarrierTM 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 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: Liquid.

ODOR: Mild.

APPEARANCE: Clear.

COLOR: Light yellow to amber.

pH: 8

PERCENT VOLATILE: ~72

VAPOR PRESSURE: ~8 mm Hg at 20°C

VAPOR DENSITY: ~4 (air=1)

BOILING POINT: ~110°C (230°F)

FREEZING POINT: <0°C (32°F)

SOLUBILITY IN WATER: Dispersible.

EVAPORATION RATE: ~0.6 (butyl acetate = 1)

SPECIFIC GRAVITY: 0.91

COEFF. OIL/WATER: No data available.

ODOR THRESHOLD: 0.1 ppm

10. STABILITY AND REACTIVITY

STABLE: Yes.

HAZARDOUS POLYMERIZATION: No.

CONDITIONS TO AVOID: Exposure to air, heat, sparks, open flames and other ignition sources.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide and various organic compounds. May form unstable peroxides.

INCOMPATIBLE MATERIALS: Oxidizing materials, acids, strong bases, salts of strong bases, aluminum.

11. TOXICOLOGICAL INFORMATION

ACUTE

DERMAL LD₅₀: No data available.

ORAL LD₅₀: ~1600 mg/kg (rat)

INHALATION LC₅₀: ~450-6000 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. May cause effects to skin, respiratory system, central nervous system.

SENSITIZATION: No data available.

CARCINOGENICITY:

IARC: Two components of this product are classified separately as Group 2B (Possibly carcinogenic to humans) and Group 3 (Not classifiable).

NTP: Not listed as a carcinogen.

OSHA: Not listed as a carcinogen.

OTHER: ACGIH: A3. Components of this product have caused increased incidence of tumors in lab animals; the relevance to humans is unknown.

OTHER: No data available.

SYNERGISTIC MATERIALS: May enhance the toxicity of other materials.

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

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

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: The major components have low persistence in the environment and have low aquatic toxicity.

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.

EMPTY CONTAINER: Do not cut or weld empty drum.

RCRA/EPA WASTE INFORMATION: Contains material(s) listed by RCRA as hazardous waste.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Flammable Liquid, NOS

TECHNICAL NAME: Aliphatic carboxylic ester, Aliphatic ketone

PRIMARY HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: UN1993

PACKING GROUP: III

LABEL: Cases of 4 one-gallon jugs and individual one-gallon cartons are Limited Quantities. No Flammable Liquid (Class 3) label required when shipped by ground.

CANADA TRANSPORT OF DANGEROUS GOODS

PROPER SHIPPING NAME: Flammable Liquid, NOS

PRIMARY HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: UN1993

PACKING GROUP: III

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: Flammable Liquid (Class 3) label required when shipped by air.

IATA NOTE: 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: Ingredients 2 and 3 are reportable.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**CERCLA RQ:** One or more ingredients has an RQ of 5000 lbs.**REPORTABLE SPILL QUANTITY:** > 1000 gals**RCRA STATUS:** See section 13.**CANADA****WHMIS CLASS:** Class B, Division 2 and Class D, Division 2**MEXICO**

Regulated for transportation.

STATE REGULATIONS**MASSACHUSETTS**

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

CALIFORNIA**PROPOSITION 65 STATEMENT:** A component of this product 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:	3
REACTIVITY:	0
PERSONAL PROTECTION:	B

NFPA RATINGS: