SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Pyratex

OTHER MEANS OF IDENTIFICATION: Not applicable.

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. HAZARDS IDENTIFICATION

GHS CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Flammable Liquids: Category 3
Acute Toxicity – Inhalation: Category 4
Acute Toxicity – Dermal: Category 4
Eye Damage/Irritation: Category 2A
Skin Corrosion/Irritation: Category 2
Specific Target Organ Toxicity (STOT-SE) Narcotic Effects: Category 3

GHS LABEL ELEMENTS

Symbol(s):



Signal Word: Warning

Hazard Statements:

H226 – Flammable liquid and vapor.
H302+H312+H332 – Harmful if swallowed, in contact with skin or if inhaled.
H315 – Causes skin irritation.
H319 – Causes serious eye irritation.
H335 – May cause respiratory irritation.
H336 – May cause drowsiness or dizziness.

Precautionary Statements:

P210 – Keep away from heat/sparks/open flames/hot surfaces - No smoking.
P233 – Keep container tightly closed.
P240 – Ground/bond container and receiving equipment.
P241 – Use explosion-proof electrical/ventilating/lighting equipment.
P242 – Use only non-sparking tools.
P243 – Take precautionary measures against static discharge.
P261 – Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 – Wash thoroughly after handling.

P270 – Do not eat, drink or smoke when using this product.
P271 – Use only outdoors or in a well-ventilated area.
P280 – Wear protective gloves/protective clothing/eye protection/face protection.
P301+ P330+P331 – IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353+P363 – IF ON SKIN (or hair) take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.
P332+P313 – If skin irritation occurs: Get medical advice/attention.
P304+P340 – IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
P312 - Call a POISON CENTER or doctor physician if you feel unwell.
P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 – If eye irritation persists: Get medical advice/attention.
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 area. Keep container tightly closed. Keep cool.
P501 – Dispose of contents and container to licensed, permitted incinerator, or other thermal destruction device.

Other Hazards: Not available.
Unknown Acute Toxicity: Not applicable.

3. COMPOSITION / INFORMATION ON INGREDIENTS

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

Chemical Name	Wt.%	CAS#
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%

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: Irritation, burning sensation, redness, swelling, blurred vision.

SKIN: Redness, burning sensation, drying, cracking, flaking, swelling, blisters.

SKIN ABSORPTION: Weakness, headache.

INGESTION: Central nervous system depression, headache, nausea, cramps, vomiting, dizziness, drowsiness, loss of coordination, unconsciousness.

INHALATION: Central nervous system depression, headache, nausea, cramps, vomiting, dizziness, drowsiness, irritation of the respiratory tract, shortness of breath, chest pain, cough.

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 IC

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, foam, water spray or fog. Use of direct water stream may spread fire.

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, carbon monoxide.

FIRE FIGHTING EQUIPMENT AND PRECAUTIONS: 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 Exposure Controls/Personal 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)

		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
		ppm	mg/m^3	ppm	mg/m^3	ppm	mg/m^3
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.

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

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 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

APPEARANCE: Clear.

PHYSICAL STATE: Liquid.

COLOR: Light yellow to amber.

ODOR: Mild.

ODOR THRESHOLD: 0.1 ppm

pH: 8

FREEZING POINT: <0°C (32°F)

INITIAL BOILING POINT: ~110°C (230°F)

FLASH POINT: 40°C (104°F) COC

EVAPORATION RATE: ~0.6 (butyl acetate = 1)

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

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

VAPOR PRESSURE: ~8 mm Hg at 20°C

VAPOR DENSITY: ~4 (air=1)

RELATIVE DENSITY: 0.91

SOLUBILITY IN WATER: Dispersible.

PARTITION COEFFICIENT (Log K_{ow}): No data available.

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

DECOMPOSITION TEMPERATURE: No data available.

VISCOSITY: Not available.

PERCENT VOLATILE: ~72

10. STABILITY AND REACTIVITY

REACTIVITY: No dangerous reactions known.

CHEMICAL STABILITY: Stable.

POSSIBILITY OF HAZARDOUS REACTIONS: Polymerization will not occur.

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

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

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

11. TOXICOLOGICAL INFORMATION

ROUTES OF EXPOSURE: Inhalation and skin.

ACUTE TOXICITY (ATE):

DERMAL LD_{50}: > 1,500 mg/kg (rabbit/rat).

ORAL LD_{50}: > 3,000 mg/kg (rat).

INHALATION LC_{50}: >3 mg/L (rat/mouse)

CHRONIC TOXICITY:

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 in 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.

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

MUTAGENICITY: No data available.

SYNERGISTIC MATERIALS: May enhance the toxicity of other materials.

POTENTIAL HEALTH EFFECTS

EYES: May cause corneal injury.

SKIN: Prolonged or repeated contact may cause dermatitis or burn.

SKIN ABSORPTION: Extensive or prolonged contact may cause decreased blood pressure, central nervous system depression, unconsciousness.

INGESTION: May cause central nervous system depression, vomiting; in extreme cases unconsciousness. In the case of vomiting, 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. May affect blood, kidney, liver.

ASPIRATION HAZARD: There is insufficient data available to classify this product as an aspiration hazard. Follow the precautions under INGESTION.

INHALATION: May cause central nervous system depression; extreme concentrations may cause unconsciousness or death. May affect blood, kidney, liver, central nervous system.

MEDICAL CONDITIONS AGGRAVATED: Pre-existing eye, skin, central nervous system, and respiratory disorders.

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

12. ECOLOGICAL INFORMATION

ECOTOXICITY: Aquatic toxicity is low for the majority of components. Data for one component is equivocal.

PERSISTENCE AND DEGRADABILITY: All components are readily or inherently biodegradable.

BIOACCUMULATIVE POTENTIAL: Potential to bioaccumulate is low for all components.

MOBILITY IN SOIL: The solvent components have the potential for high mobility in soil. No data available for the non-solvent components.

OTHER ADVERSE EFFECTS: No data available.

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

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.

MEXICO

Regulated for transportation.

STATE REGULATIONS

MASSACHUSETTS

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

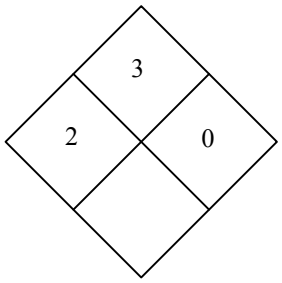
CALIFORNIA

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:



SDS Revision Date: December 15, 2015