

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Tiger

OTHER MEANS OF IDENTIFICATION: Not applicable.

GENERAL USE: For professional drycleaning use only.

PRODUCT DESCRIPTION: Drycleaning Detergent & Sizing

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

Skin Irritation/corrosion: Category 2

Serious Eye Damage: Category 1

Specific Target Organ Toxicity (STOT-SE) Narcotic Effects: Category 3

Carcinogenicity: Category 2

GHS LABEL ELEMENTS

Symbol(s):



Signal Word: Danger

Hazard Statements:

H315 – Causes skin irritation.

H318 – Causes serious eye damage.

H336 – May cause drowsiness or dizziness.

H351 – Suspected of causing cancer:

Precautionary Statements:

P201 – Obtain special instructions before use.

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

P261 – Avoid breathing dust, fume, gas, mist, vapor, spray.

P264 – Wash thoroughly after handling.

P271 – Use only outdoors or in well-ventilated area.

P280 – Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 – IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water /shower.

P304+P340 – IF INHALED: Remove affected person to fresh air and keep in a position comfortable for breathing.

- 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.
 P310 – Immediately call POISON CENTER or doctor.
 P332+P313 – IF SKIN irritation occurs: Get medical advice/attention.
 P363 – Wash contaminated clothing before reuse.
 P403+P233 – Store in a well-ventilated place and keep container tightly closed.
 P405 – Store locked up.
 P501 – Dispose of contents and container to licensed, permitted incinerator, or other thermal destruction device.

Other Hazards: Not available.

Unknown Acute Toxicity: 37% of the mixture consists of ingredient(s) of unknown acute toxicity.

3. 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>
Tetrachloroethylene	30 - 60	127-18-4
Trade Secret #1	-	-
Trade Secret #2	-	-
Trade Secret #3	-	-
Trade Secret #4	-	-
Trade Secret #5	-	-

COMMENTS: None.

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 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: Pain, irritation, watering, redness, and defect of vision.

SKIN: Irritation, redness, drying.

SKIN ABSORPTION: No data available.

INGESTION: Irritation to mouth, throat, and stomach. Repeated exposure could lead to gastrointestinal disturbance.

INHALATION: Excessive exposure to mists or vapors generated by heat may cause irritation to eyes, nose, throat and lungs, respiratory tract, headaches, loss of consciousness, nausea.

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

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Not applicable.

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

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

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: 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: Not applicable.

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, dry, well-ventilated area.

ELECTROSTATIC ACCUMULATION HAZARD: Not applicable.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

	EXPOSURE LIMITS						
		OSHA PEL		ACGIH TLV		Supplier OEL	
		ppm	mg/m³	ppm	mg/m³	ppm	mg/m³
Tetrachloroethylene	TWA	100		25			
	STEL	200 ^[1]		100			
Trade Secret #1	TWA	NE ^[2]		NE			
	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			

TABLE FOOTNOTES:

1. Ceiling concentration. A 300 ppm peak concentration is allowed for 5 minutes in any 3-hour period.
2. NE=Not established.

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: Viton[®], PVA, 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 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: Yellow.

ODOR: Slight sweet.

ODOR THRESHOLD: No data available.

pH: 4.9-5.9 (20% in water)

FREEZING POINT: No data available.

INITIAL BOILING POINT: No data available.

FLASHPOINT: >94°C (200°F)

EVAPORATION RATE: No data available.

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

FLAMMABLE LIMITS: No data available.

VAPOR PRESSURE: No data available.

VAPOR DENSITY: No data available.

RELATIVE DENSITY: 1.279

SOLUBILITY IN WATER: Dispersible.

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

AUTOIGNITION TEMPERATURE: No data available.

DECOMPOSITION TEMPERATURE: No data available.

VISCOSITY: No data available.

PERCENT VOLATILE: No data available.

10. STABILITY AND REACTIVITY

REACTIVITY: No.

CHEMICAL STABILITY: Stable.

POSSIBILITY OF HAZARDOUS REACTIONS: Polymerization will not occur.

CONDITIONS TO AVOID: Exposure of vapors to high heat or open flames.

INCOMPATIBLE MATERIALS: Strong oxidizers, strong acids, aluminum, and other metals.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen chloride, phosgene, and other toxic vapors may be produced on burning vapors.

11. TOXICOLOGICAL INFORMATION

ROUTES OF EXPOSURE: Inhalation and skin.

ACUTE TOXICITY (ATE):

DERMAL LD₅₀: Insufficient data available.

ORAL LD₅₀: Insufficient data available.

INHALATION LC₅₀: > 20 mg/L (rat)

CHRONIC

TARGET ORGANS: Overexposure may cause liver and kidney damage.

SENSITIZATION: Insufficient data available.

CARCINOGENICITY

IARC: Tetrachloroethylene is classified as 2A (Probably carcinogenic to humans).

NTP: Tetrachloroethylene is on the NTP list.

OSHA: Not listed as a carcinogen.

OTHER: ACGIH: 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 serious eye damage.

SKIN: May cause skin corrosion/irritation.

SKIN ABSORPTION: Insufficient data available.

INGESTION: May be fatal if swallowed.

ASPIRATION HAZARD: Insufficient data available.

INHALATION: Harmful if inhaled. High concentrations can cause central neurological depression and EEG abnormalities.

MEDICAL CONDITIONS AGGRAVATED: Chronic diseases of the central nervous system, respiratory system, kidney, liver, skin, and eyes.

GENERAL COMMENTS: Refer to Section 3 of this SDS and the SDS provided by your tetrachloroethylene (perc) supplier for additional information on potential health effects.

12. ECOLOGICAL INFORMATION

ECOTOXICITY: Some components of this product have moderate aquatic toxicity.

PERSISTENCE AND DEGRADABILITY: Some components of this product are not readily biodegradable.

BIOACCUMULATIVE POTENTIAL: Insufficient data available.

MOBILITY IN SOIL: Insufficient data available.

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: Not applicable.

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

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Tetrachloroethylene

PRIMARY HAZARD CLASS/DIVISION: 6.1

UN/NA NUMBER: UN1897

PACKING GROUP: III

LABEL: Toxic, PG III

OTHER SHIPPING INFORMATION: Containers larger than 15 gallons contain a Reportable Quantity of tetrachloroethylene.

CANADA TRANSPORT OF DANGEROUS GOODS

PROPER SHIPPING NAME: Tetrachloroethylene

PRIMARY HAZARD CLASS/DIVISION: 6.1

UN/NA NUMBER: UN1897

PACKING GROUP: III

LABEL: Toxic, PG III

OTHER SHIPPING INFORMATION: Not applicable.

AIR (ICAO/IATA)

PROPER SHIPPING NAME: Tetrachloroethylene

PRIMARY HAZARD CLASS/DIVISION: 6.1

UN/NA NUMBER: UN1897

PACKING GROUP: III

LABEL: Toxic

PLACARDS: Consult applicable regulations governing air shipments.

IATA NOTE: Consult IATA for packaging requirements and quantity limitations.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES:

FIRE: No. **PRESSURE GENERATING:** No. **REACTIVITY:** No. **ACUTE:** Yes. **CHRONIC:** Yes.

313 REPORTABLE INGREDIENTS: Tetrachloroethylene is reportable.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA RQ: Tetrachloroethylene has an RQ of 100 lbs.

REPORTABLE SPILL QUANTITY: 16 gals

RCRA STATUS: See section 13.

MEXICO

Not applicable.

STATE REGULATIONS**MASSACHUSETTS**

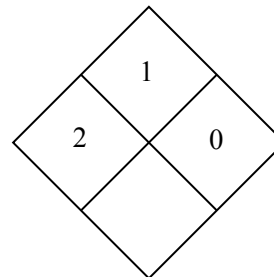
Contains no substances regulated by the Massachusetts Substance List.

CALIFORNIA

PROPOSITION 65 STATEMENT: Tetrachloroethylene is on the Proposition 65 list of chemicals known to the State of California to cause cancer.

16. OTHER INFORMATION

HMIS RATINGS	
HEALTH:	3
FLAMMABILITY:	1
REACTIVITY:	0
PERSONAL PROTECTION:	H

NFPA RATINGS

SDS Revision Date: June 12, 2015