

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Picrin

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

Skin Corrosion/Irritation: Category 2

Eye Damage/Irritation: Category 2

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

Germ Cell Mutagenicity: Category 2

Carcinogenicity: Category 1A

Aspiration Hazard: Category 1

GHS LABEL ELEMENTS

Symbol(s):



Signal Word: Danger

Hazard Statements:

H304 – May be fatal if swallowed and enters airways.

H315 – Causes skin irritation.

H319 – Causes serious eye irritation.

H336 – May cause drowsiness or dizziness.

H341 – Suspected of causing genetic defects.

H350 – May cause 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/ vapours/ spray.

P264 – Wash skin thoroughly after handling.

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

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

P281 – Use personal protective equipment as required.

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

P362+P364 – Take off contaminated clothing and wash 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/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.
 P301+P310 – IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 P331 – Do NOT induce vomiting.
 P321 – Specific treatment, see First Aid Measures section (section 4).
 P308+P313 – IF exposed or concerned: Get medical advice/ attention.
 P403+P233 – Store in a well-ventilated place. Keep container tightly closed.
 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

<u>Chemical Name</u>	<u>Wt.%</u>	<u>CAS</u>
Trichloroethylene	>75	79-01-6

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.

NOTES TO PHYSICIAN: Only administer adrenaline after careful consideration following overexposure. Increased sensitivity of the heart to adrenaline may be caused by overexposure to this product. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Discomfort, pain, irritation.

SKIN: Irritation, dermatitis.

SKIN ABSORPTION: Insufficient data available.

INGESTION: May result in irritation to mouth and GI tract, Vomiting and subsequent aspiration into lungs could possibly lead to pneumonia or pulmonary edema.

INHALATION: Central nervous system depressant. Inhalation can cause irritation of the respiratory tract, dizziness, nausea, headache, loss of coordination and equilibrium.

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: Emits toxic fumes under fire conditions. Hydrogen chloride, phosgene.

OTHER CONSIDERATIONS: Concentrated vapor can be ignited by high-intensity ignition source. Vapors may travel to source of ignition and flash back. Containers may explode when heated. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

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. Provide plenty of fresh air. 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: Ground and bond containers when transferring material.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

		<u>EXPOSURE LIMITS</u>					
		<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>
Trichloroethylene	TWA	100	10 ^[1]				
	STEL	200 ^[2]	25				

TABLE FOOTNOTES

- A2: Suspected human carcinogen.
- Ceiling concentration. A 300 ppm peak concentration is allowed for 5 minutes in any 2-hour period.

ENGINEERING CONTROLS: Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

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 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: Colorless.

ODOR: Ethereal.

ODOR THRESHOLD: 20 ppm

pH: Not applicable.

FREEZING POINT: -85°C (-121°F)

INITIAL BOILING POINT: 87°C (188°F)

FLASHPOINT: No data available.

EVAPORATION RATE: 4.5 (butyl acetate = 1)

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

FLAMMABLE LIMITS: 8.0 to 12.5%

VAPOR PRESSURE: 58 mm Hg at 20°C

VAPOR DENSITY: 4.5 (air = 1)

RELATIVE DENSITY: 1.45

SOLUBILITY IN WATER: Negligible.

PARTITION COEFFICIENT (Log K_{ow}): 2.42

AUTOIGNITION TEMPERATURE: 420°C (788°F)

DECOMPOSITION TEMPERATURE: No data available.

VISCOSITY: No data available.

PERCENT VOLATILE: 100

10. STABILITY AND REACTIVITY

REACTIVITY: No.

CHEMICAL STABILITY: Stable.

POSSIBILITY OF HAZARDOUS REACTIONS: Polymerization will not occur.

CONDITIONS TO AVOID: Contact with open flame, electric arcs, other hot surfaces which can cause thermal decomposition.

INCOMPATIBLE MATERIALS: Strong alkalis, strong acids, oxidizers, sodium, potassium, lithium, aluminum, barium, magnesium, titanium.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen chloride, phosgene.

11. TOXICOLOGICAL INFORMATION

ROUTES OF EXPOSURE: Inhalation and skin.

ACUTE TOXICITY (ATE):

DERMAL LD₅₀: > 20,000 mg/kg (rabbit)

ORAL LD₅₀: > 2,000mg/kg (rat)

INHALATION LD₅₀: > 20 mg/L (mouse)

CHRONIC TOXICITY

TARGET ORGANS: Overexposure can lead to kidney and liver damage.

SENSITIZATION: Insufficient data available.

CARCINOGENICITY

IARC: This product is classified as Group 1 (Carcinogenic to humans).

NTP: This product is reasonably anticipated to be a human carcinogen.

OSHA: Not listed as a carcinogen.

OTHER: ACGIH: A2 – Limited epidemiology data have shown a weak association between trichloroethylene exposure and renal cancer.

OTHER: No data available.

REPRODUCTIVE EFFECTS: Insufficient data available.

MUTAGENICITY: Laboratory experiments have shown mutagenic effects. In vitro tests showed mutagenic effects.

SYNERGISTIC MATERIALS: No data available.

POTENTIAL HEALTH EFFECTS

EYES: May cause serious irritation.

SKIN: Prolonged or repeated exposure may cause dermatitis.

SKIN ABSORPTION: Harmful if absorbed through the skin.

INGESTION: May be harmful if swallowed. 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.

ASPIRATION HAZARD: Yes.

INHALATION: Inhalation can cause unconsciousness and even death in confined or poorly ventilated areas.

MEDICAL CONDITIONS AGGRAVATED: Insufficient data available.

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

12. ECOLOGICAL INFORMATION

ECOTOXICITY: Harmful to aquatic organisms.

PERSISTENCE AND DEGRADABILITY: Insufficient data available.

BIOACCUMULATIVE POTENTIAL: Does not bioaccumulate.

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: Trichloroethylene

TECHNICAL NAME: None.

PRIMARY HAZARD CLASS/DIVISION: 6.1

UN/NA NUMBER: UN1710

PACKING GROUP: III

LABEL: Toxic

REPORTABLE QUANTITY (RQ) UNDER CERCLA: 8 gal

OTHER SHIPPING INFORMATION: Original 4x1-gallon packaging is approved for ground shipments only.

CANADA TRANSPORT OF DANGEROUS GOODS

PROPER SHIPPING NAME: Trichloroethylene

PRIMARY HAZARD CLASS/DIVISION: 6.1

UN/NA NUMBER: UN1710

PACKING GROUP: III

LABEL: Toxic

OTHER SHIPPING INFORMATION: Original 4x1-gallon packaging is approved for ground shipments only. Drums of this product contain a Reportable Quantity of trichloroethylene.

AIR (ICAO/IATA)

PROPER SHIPPING NAME: Trichloroethylene

PRIMARY HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: UN1710

PACKING GROUP: III

LABEL: Toxic

PLACARD: Consult applicable regulations governing air shipments.

IATA NOTE: Original 4x1-gallon packaging is not approved for air shipment. Consult applicable regulations 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: Trichloroethylene is reportable.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA RQ: Trichloroethylene has an RQ of 100 lbs.

REPORTABLE SPILL QUANTITY: 8 gals

RCRA STATUS: See section 13.

MEXICO

Regulated for transportation.

STATE REGULATIONS

MASSACHUSETTS

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

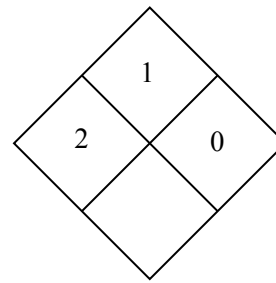
CALIFORNIA

PROPOSITION 65 STATEMENT: Trichloroethylene 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 3, 2015