

Safety Data Sheet
Pierce II

SECTION I - IDENTIFICATION

PRODUCT IDENTIFIER: Pierce II
PRODUCT CODE: 5930
RECOMMENDED USE: Penetrating Lubricant
RESTRICTIONS ON USE: None known.
COMPANY NAME: QuestSpecialty Corporation
COMPANY ADDRESS: P.O. Box 624, Brenham, TX 77834
COMPANY PHONE: 800-231-0454
EMERGENCY PHONE: 800-255-3924

SECTION II – HAZARDS IDENTIFICATION

CLASSIFICATION: Aerosols: Category 2

Skin Irritant: Category 2

Eye Irritant: Category 2A

Specific Target Organ Toxicity (Single Exposure), Narcotic Effect: Category 3

Aspiration Hazard: Category 1

HAZARD STATEMENT(S): DANGER: Flammable aerosol. Pressurized container: may burst if heated. Causes skin and serious eye irritation. May cause drowsiness or dizziness. May be fatal if swallowed and enters airways.

This product contains the following percentage of chemicals of unknown toxicity: 0%

PRECAUTIONARY STATEMENTS: Keep away from heat, sparks, open flames and hot surfaces. -No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Store in a well-ventilated place. Wash hands thoroughly after handling. Wear protective gloves and eye protection. IF ON SKIN: Wash with plenty of water. IF SKIN irritation occurs: Get medical advice or attention. Take off contaminated clothing and wash it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF eye irritation persists: Get medical advice or attention. Avoid breathing mist, vapors or spray. Use only outdoors or in a well-ventilated area. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell. Store in a well-ventilated place. Keep container tightly closed. IF SWALLOWED: Immediately call a poison center or doctor. Do NOT induce vomiting. Dispose of contents and container in accordance with local, state and federal regulations.

SYMBOL:



HAZARDS NOT OTHERWISE CLASSIFIED: N/A

SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	PERCENT
Propylene Carbonate	108-32-7	30-60%
Methyl Acetate	70-20-9	15-40%
trans-1,2-Dichloroethylene	156-60-5	15-40%
Carbon dioxide	124-38-9	5-10%
Distillates (Petroleum), hydrotreated light	64742-47-8	1-5%

Trade Secret Information: A specific chemical identity and/or percentage of composition has been withheld as a trade secret.

SECTION IV - FIRST AID MEASURES

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EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Seek medical attention if irritation persists.

INGESTION: Rinse mouth out with water. Do not induce vomiting unless directed by medical authority. Keep head below hips if vomiting occurs. Seek immediate medical attention. Aspiration hazard. Never give anything by mouth to an unconscious person.

INHALATION: Move to fresh air. If breathing is difficult, administer oxygen. If not breathing administer artificial respiration or at any sign of loss of consciousness seek immediate medical attention.

SKIN: Immediately wash with water for 15 minutes. Remove contaminated clothing and shoes immediately. Seek medical attention if irritation develops.

ACUTE HEALTH HAZARDS: Causes skin irritation including redness, burning and drying/cracking. Causes eye irritation including redness, tearing, and pain. May cause respiratory irritation and central nervous system (CNS) depression. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration may cause pulmonary edema and pneumonitis.

CHRONIC HEALTH HAZARDS: May cause eye, respiratory and central nervous system (CNS) effects. Dermatitis may occur due to long-term irritation.

NOTE TO PHYSICIAN: Treatment of overexposure should be directed at the control of symptoms and the clinical condition.

SECTION V – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Dry chemical, carbon dioxide or water spray.

UNSUITABLE EXTINGUISHING MEDIA: Water jets or streams.

SPECIAL FIRE FIGHTING PROCEDURES: Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Avoid breathing smoke, fumes, and decomposition products. Cool fire exposed containers with water fog to prevent bursting.

UNUSUAL FIRE AND EXPLOSION HAZARDS: FLAMMABLE. Contents under pressure. Exposure to temperatures above 120 °F may cause bursting. Keep away from heat, sparks, open flames and other sources of ignition. Vapors may form explosive mixtures with air. Vapors are heavier than air and can accumulate in low areas. Vapors may travel considerable distance to a source of ignition and flash back.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon, hydrogen chloride, phosgene. Halogenated compounds. Smoke, toxic fumes and toxic gases.

SECTION VI – ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Refer to section VIII for proper Personal Protective Equipment.

SPILL: Eliminate all sources of ignition. Absorb with non-combustible material like vermiculite, sand or earth. Place waste in proper containers for waste disposal. Wear appropriate personal protective equipment.

WASTE DISPOSAL: Dispose of in accordance with local, state and federal regulations. Do not dump in sewers. Wrap container and place in trash collection. Do not puncture, incinerate, or reuse container.

RCRA STATUS: Waste likely considered D001 (Ignitable waste), under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION VII – HANDLING AND STORAGE

HANDLING AND STORAGE: Do not use or store near heat, open flames or other sources of ignition. Wear proper personal protective equipment when using this product. Avoid contact with skin, eyes and clothing. Do not inhale mist or vapor. Do not use or store with strong oxidizers. Store in cool, dry, ventilated area. Protect from sunlight. Store in a well ventilated area. Do not expose to temperatures exceeding 50 °C/122 °F. Pressurized container: Do not pierce or burn, even after use. Wash hands thoroughly after handling.

OTHER PRECAUTIONS: Keep out of the reach of children. Read and follow the directions on the product label. They are the best guide to using the product in the most effective manner. The label also gives you the necessary safety precautions to protect your health.

INCOMPATIBILITY: Strong oxidizers, alkalis, acids.

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SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Propylene Carbonate	Not established	Not established
Methyl Acetate	200 ppm	200 ppm
trans-1,2-Dichloroethylene	200 ppm	200 ppm
Carbon dioxide	5000 ppm	5000 ppm
Distillates (Petroleum), hydrotreated light	Not established	200 mg/m ³

ENGINEERING CONTROLS / VENTILATION: Use only outdoors or in a well-ventilated area. Material may concentrate in low lying areas.

RESPIRATORY PROTECTION: Not required with normal use. Wear NIOSH/MSHA approved respiratory protection if exposure limits are exceeded.

PERSONAL PROTECTIVE EQUIPMENT: Safety glasses/goggles and chemical resistant gloves.

ADDITIONAL MEASURES: Avoid contact with skin, eyes or clothing. Wash hands thoroughly after handling. Do not breathe vapors. Do not eat, drink, or smoke while using product. Get medical attention if you feel unwell. No smoking or open flames.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear, colorless spray.

ODOR: N/D

ODOR THRESHOLD: N/D

pH: N/A

MELTING POINT/FREEZING POINT: N/D

INITIAL BOILING POINT AND BOILING RANGE: N/D

FLASH POINT: N/D

EVAPORATION RATE: N/D

FLAMMABILITY(solid/gas): Flammable Aerosol

UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:

LOWER FLAMMABILITY LIMIT: N/D

UPPER FLAMMABILITY LIMIT: N/D

EXPLOSIVE LIMIT LOWER (%): N/D

EXPLOSIVE LIMIT UPPER (%): N/D

VAPOR PRESSURE (mm Hg): N/D

VAPOR DENSITY (AIR=1): N/D

RELATIVE DENSITY (H₂O=1): 1.10999 @ 77 °F (25 °C).

SOLUBILITY(IES): N/D

PARTITION COEFFICIENT: n-OCTANOL/WATER (K_{ow}): N/D

AUTOIGNITION TEMPERATURE: N/D

DECOMPOSITION TEMPERATURE: N/D

VISCOSITY: N/D

SECTION X – STABILITY AND REACTIVITY

REACTIVITY: None known.

CHEMICAL STABILITY: Stable.

POSSIBLE HAZARDOUS REACTIONS: None known.

CONDITIONS TO AVOID: Temperatures greater than 122 °F and sources of ignition. Avoid incompatible materials.

INCOMPATIBLE MATERIALS: Strong oxidizers, alkalis, acids.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon, hydrogen chloride gas and phosgene gas.

SECTION XI – TOXICOLOGICAL INFORMATION

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TOXICOLOGICAL INFORMATION: Methyl Acetate (70-20-9) LD₅₀, (Oral, rat): 6,482 mg/kg (highest dose tested); LC₅₀, (Inhalation, rat): > 49 mg/l, 4 h; LD₅₀, (Dermal, rabbit) : > 2,000 mg/kg; **Distillates (Petroleum), hydrotreated light (64742-47-8)** LD₅₀, (Dermal, rabbit): >2000 mg/kg; LD₅₀ (Oral, rat): >5000 mg/kg; **Distillates (Petroleum), solvent – dewaxed heavy paraffinic (64742-65-0)** LD₅₀ (Oral, rat): > 5,000 mg/kg (Measured) Not classified; LD₅₀ (Dermal, rabbit): > 2,000 mg/kg (Measured) Not classified; Dusts, mists and fumes: LC 50 (Inhalation, rat, 4 h): > 5 mg/l (Literature) Not classified, Dusts, mists and fumes Vapor: LC₅₀ (Inhalation, rat, 4 h): > 20 mg/l (Read across) Not classified, Vapour **trans-1,2-Dichloroethylene (156-60-5)** LC₅₀ (Inhalation, rat) 24,100 ppm; LD₅₀ (Dermal, rabbit) >5000 mg/kg;

ROUTES OF ENTRY: Eyes, Inhalation, Skin

EYES: Causes irritation, redness, tearing, pain.

INGESTION: Not a likely route of exposure under normal product handling conditions. May cause gastrointestinal irritation, nausea, diarrhea, vomiting. Aspiration hazard. Can enter the lungs during swallowing or vomiting and cause chemical pneumonia or edema.

INHALATION: Causes dizziness and drowsiness.

SKIN: Causes skin irritation.

MEDICAL CONDITION AGGRAVATED: Pre-existing disorders of the eyes, skin and central nervous system (CNS). Aspiration hazard.

ACUTE HEALTH HAZARDS: Causes skin irritation including redness, burning and drying/cracking. Causes eye irritation including redness, tearing, and pain. May cause respiratory irritation and central nervous system (CNS) depression. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration may cause pulmonary edema and pneumonitis.

CHRONIC HEALTH HAZARDS: None known.

CARCINOGENICITY: OSHA: No ACGIH: No NTP: No IARC: No OTHER: N/A

SECTION XII – ECOLOGICAL INFORMATION

ECOTOXICITY: N/D

PERSISTENCE AND DEGRADABILITY: Not readily biodegradable.

BIOACCUMULATIVE POTENTIAL: This product is not expected to bioaccumulate.

MOBILITY IN SOIL: N/D

OTHER ADVERSE EFFECTS: None known.

SECTION XIII – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Dispose of in accordance with local, state and federal regulations. Do not dump in sewers. Wrap container and place in trash collection. Do not puncture, incinerate, or reuse container.

RCRA STATUS: Waste likely considered D001 (Ignitable waste), under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION XIV - TRANSPORT INFORMATION

PROPER SHIPPING NAME: Aerosols, Ltd. Qty.

HAZARD CLASS/DIVISION: 2.1

UN/NA NUMBER: UN1950

PACKING GROUP: N/A

AIR SHIPMENT

PROPER SHIPPING NAME: Aerosols, flammable.

HAZARD CLASS/DIVISION: 2.1

UN/NA NUMBER: UN1950

PACKING GROUP: N/A

SHIPPING BY WATER:

VESSEL (IMO/IMDG)

PROPER SHIPPING NAME: Aerosols.

HAZARD CLASS/DIVISION: 2.1

UN/NA NUMBER: UN1950

PACKING GROUP: N/A

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ENVIRONMENTAL HAZARDS WATER: N/A

SECTION XV - REGULATORY INFORMATION

TSCA STATUS: All chemicals are listed or exempt.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): 1,2-Dichloroethylene (156-60-5)

Reportable Quantity = 1000 pounds.

SARA 311/312 HAZARD CATEGORIES: Flammable (gases, aerosols, liquids, solids). Gas under pressure. Acute Health.

CLEAN WATER ACT: trans-1,2-Dichloroethylene (156-60-5) is a priority pollutant and a toxic pollutant.

STATE REGULATIONS: California Proposition 65: This product does not contain chemicals regulated by California Proposition 65.

trans-1,2-Dichloroethylene (156-60-5): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air

Quality or Air Pollutants lists for the following states: MA, PA.

INTERNATIONAL REGULATIONS: No information available.

VOLATILE ORGANIC COMPOUNDS (VOC): 25%

NFPA HEALTH: 3

HMIS HEALTH: 3

NFPA FLAMMABILITY: 2

HMIS FLAMMABILITY: 2

NFPA REACTIVITY: 0

HMIS REACTIVITY: 0

NFPA OTHER: None

HMIS PROTECTION: B

SECTION XVI - OTHER INFORMATION

PREPARATION BY: Isabel Ford

DATE PREPARED: 08/31/2026

REVISION DATE:

N/A = Not Applicable; N/D = Not Determined

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