

**Safety Data Sheet**  
**Pierce**

**SECTION I - IDENTIFICATION**

**PRODUCT IDENTIFIER:** Pierce  
**PRODUCT CODE:** 5090/5500  
**RECOMMENDED USE:** 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:** Dissolved Gas

Skin Irritant: Category 2

Skin Sensitization: Category 1

Specific Target Organ Toxicity (Single Exposure): Category 3

Carcinogenicity: Category 2

Aspiration Hazard

**HAZARD STATEMENT(S): DANGER:** Contains gas under pressure; May explode if heated. Causes skin irritation. May cause respiratory irritation, drowsiness or dizziness. Suspected of causing cancer. May be fatal if swallowed and enters airways. May cause an allergic skin reaction.

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. Pressurized container: 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/clothing and eye/face protection. If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing and wash before reuse. Contaminated work clothing must not be allowed out of the workplace. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. If exposed or concerned: Get medical attention. Avoid breathing fumes, mist, vapors, and 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. If swallowed: Immediately call a poison center or doctor. Do NOT induce vomiting. Dispose of contents and container in accordance with local, state, and national regulations.

**SYMBOL:**



**HAZARDS NOT OTHERWISE CLASSIFIED:** N/A

**SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS**

HAZARDOUS INGREDIENT	CAS NUMBER	PERCENT
Carbon Dioxide	124-38-9	1-5%
Tetrachloroethylene	127-18-4	60-85%
Mineral Seal Oil	64741-44-2	5-10%

**SECTION IV - FIRST AID MEASURES**

**EYES:** Remove contact lenses. Flush with water for at least 15 minutes. See a physician if irritation persists.

**INGESTION:** Rinse mouth with water. Do not induce vomiting unless directed by medical authority. Seek medical attention.

**INHALATION:** Move to fresh air. If breathing is difficult, administer oxygen. Seek immediate medical attention.

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

**ACUTE HEALTH HAZARDS:** Eyes: redness, tearing, blurred vision

Skin: defatting and dermatitis

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Inhalation: Anesthetic, irritation, Central Nervous System depression

Oral: abdominal irritation, nausea, vomiting, and diarrhea. Aspiration risk.

**CHRONIC HEALTH HAZARDS:** Possible cancer causing agent and overexposure may also include damage to skin, kidneys, liver, lungs, blood, or central nervous systems. May cause dizziness, headache, nausea, mental confusion, or visual disturbances.

**NOTE TO PHYSICIAN:** Do not administer adrenaline or epinephrine to a victim of chlorinated solvent poisoning. This product contains ingredients that may be anticipated to be a carcinogen.

### SECTION V – FIRE-FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Dry chemical, foam, or Carbon Dioxide (CO<sub>2</sub>).

**UNSUITABLE EXTINGUISHING MEDIA:** Water spray/stream.

**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. Use water spray only to cool exposed containers.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Contents under pressure. Exposure to temperatures above 120°F may cause bursting.

**HAZARDOUS COMBUSTION PRODUCTS:** Oxides of carbon, chlorine, hydrogen chloride and phosgene.

### SECTION VI – ACCIDENTAL RELEASE MEASURES

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

**SPILL:** Use absorbent on spill, sweep to clean. Dispose in accordance with local, state and federal laws. Small releases may be wiped up with wiping material.

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

**RCRA STATUS:** Waste solvent likely considered U210 (Tetrachloroethylene) under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

### SECTION VII – HANDLING AND STORAGE

**HANDLING AND STORAGE:** Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Store in a well ventilated place. Do not expose to temperatures exceeding 50°C/122°F.

**OTHER PRECAUTIONS:** Keep out of the reach of children.

**INCOMPATIBILITY:** Strong acids, strong alkalis, strong oxidizing agents, chemically active metals, such as aluminum, barium, lithium, sodium, magnesium, potassium, titanium, beryllium, concentrated nitric acid some plastics, rubbers, and coatings.

### SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Carbon Dioxide	5000 ppm	5000 ppm
Tetrachloroethylene	100 ppm	25 ppm
Mineral Seal Oil	5 mg/m3	200 mg/m3

**ENGINEERING CONTROLS / VENTILATION:** Material is heavier than air. Material may concentrate in low lying areas. Normal, forced ventilation required to meet TLV requirements. Local exhaust ventilation is generally preferred.

**RESPIRATORY PROTECTION:** Wear NIOSH/MSHA approved organic vapor respiratory protection if used in confined, poorly ventilated areas.

**PERSONAL PROTECTIVE EQUIPMENT:** Safety glasses, gloves, and synthetic apron.

**ADDITIONAL MEASURES:** Wash hands thoroughly after handling.

### SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Clear, Yellow Aerosol Spray

**ODOR:** Chlorinated solvent odor

**ODOR THRESHOLD:** N/D

**pH:** N/A

**MELTING POINT/FREEZING POINT:** N/D

**INITIAL BOILING POINT AND BOILING RANGE:** >188°F (87°C)

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**FLASH POINT:** N/D

**EVAPORATION RATE:** N/D

**FLAMMABILITY(solid/gas):** Not considered a flammable aerosol or an extremely flammable aerosol by OSHA (29CFR 1910.1200)

**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 (H<sub>2</sub>O=1):** 1.40 - 1.55 @ 77°F (25°C)

**SOLUBILITY(IES):** 0%

**PARTITION COEFFICIENT: n-OCTANOL/WATER (K<sub>ow</sub>):** N/D

**AUTOIGNITION TEMPERATURE:** N/D

**DECOMPOSITION TEMPERATURE:** N/D

**VISCOSITY:** N/D

## SECTION X – STABILITY AND REACTIVITY

**REACTIVITY:** Chemically active metals and bases.

**CHEMICAL STABILITY:** Stable

**POSSIBLE HAZARDOUS REACTIONS:** None Known

**CONDITIONS TO AVOID:** Temperatures greater than 122°F may cause bursting.

**INCOMPATIBLE MATERIALS:** Strong acids, strong alkalis, strong oxidizing agents, chemically active metals, such as aluminum, barium, lithium, sodium, magnesium, potassium, titanium, beryllium, concentrated nitric acid some plastics, rubbers, and coatings.

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

## SECTION XI – TOXICOLOGICAL INFORMATION

**TOXICOLOGICAL INFORMATION:** **Tetrachloroethylene** (127-18-4) LD<sub>50</sub> (Oral, Rat) 2629 mg/kg; LC<sub>50</sub> (Inhalation, Mouse, 8hr) 34200 mg/m<sup>3</sup> **Mineral Seal Oil** (64741-44-2) LD<sub>50</sub> (Oral, Rat) 5000 mg/kg; LD<sub>50</sub> (Dermal, Rabbit) 2000 mg/kg

**ROUTES OF ENTRY:** Eyes, Ingestion, Inhalation, Skin

**EYES:** Causes severe irritation, redness, tearing, pain, visual disturbance, may cause eye damage.

**INGESTION:** Causes gastrointestinal irritation, headaches, nausea, diarrhea, vomiting, abdominal cramps.

**INHALATION:** Irritation to respiratory tract, dizziness, headache, nausea, depression of central nervous system, prolonged exposure may cause unconsciousness, heart effects, liver effects, kidney effects, and death.

**SKIN:** Irritation likely, redness and pain. May cause localized defatting, blistering with prolonged skin contact. May be absorbed through the skin.

**MEDICAL CONDITION AGGRAVATED:** Excessive exposure will aggravate pre-existing disorders of eyes, skin, respiratory, liver, kidney, cardiovascular system, pulmonary illnesses, or central nervous system.

**ACUTE HEALTH HAZARDS:** Eyes: redness, tearing, blurred vision

Skin: defatting and dermatitis

Inhalation: Anesthetic, irritation, Central Nervous System depression

Oral: abdominal irritation, nausea, vomiting, and diarrhea. Aspiration risk.

**CHRONIC HEALTH HAZARDS:** Possible cancer causing agent and overexposure may also include damage to skin, kidneys, liver, lungs, blood, or central nervous systems. May cause dizziness, headache, nausea, mental confusion, or visual disturbances.

**CARCINOGENICITY:** OSHA: Yes ACGIH: A2 - Suspected NTP: 2 - Anticipated

IARC: 2A - Probable OTHER: CA Prop 65

## SECTION XII – ECOLOGICAL INFORMATION

**ECOTOXICITY:** Not Established

**PERSISTENCE AND DEGRADABILITY:** Component or components of this product are not biodegradable.

**BIOACCUMULATIVE POTENTIAL:** Components in this mixture can bioaccumulate in aquatic organisms.

**MOBILITY IN SOIL:** This product is mobile in soil.

**OTHER ADVERSE EFFECTS:** This material is toxic to aquatic life.

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**SECTION XIII – DISPOSAL CONSIDERATIONS**

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

**RCRA STATUS:** Waste solvent likely considered U210 (Tetrachloroethylene) 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:** 2.2 (6.1)  
**UN/NA NUMBER:** UN 1950  
**PACKING GROUP:** N/A

**AIR SHIPMENT**

**PROPER SHIPPING NAME:** Aerosols, Non-Flammable, Toxic, Containing Substances in Division 6.1 Packaging Group III  
**HAZARD CLASS/DIVISION:** 2.2 (6.1)  
**UN/NA NUMBER:** UN 1950  
**PACKING GROUP:** N/A

**SHIPPING BY WATER:**

**VESSEL (IMO/IMDG)**  
**PROPER SHIPPING NAME:** Aerosols, Toxic  
**HAZARD CLASS/DIVISION:** 2.2 (6.1)  
**UN/NA NUMBER:** UN 1950  
**PACKING GROUP:** N/A  
**ENVIRONMENTAL HAZARDS WATER:** Marine Pollutant

**SECTION XV - REGULATORY INFORMATION**

**TSCA STATUS:** All Chemicals are listed or exempt.

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** Tetrachloroethylene (127-18-4)  
Reportable Quantity = 100 lbs

**SARA 311/312 HAZARD CATEGORIES:** Acute Health, Chronic Health.

**SARA 313 REPORTABLE INGREDIENTS:** Tetrachloroethylene (127-18-4)

**STATE REGULATIONS:** This product can expose you to chemicals including Tetrachloroethylene which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**VOLATILE ORGANIC COMPOUNDS (VOC):** 0%

<b>NFPA HEALTH:</b>	2	<b>HMIS HEALTH:</b>	2
<b>NFPA FLAMMABILITY:</b>	1	<b>HMIS FLAMMABILITY:</b>	1
<b>NFPA REACTIVITY:</b>	0	<b>HMIS REACTIVITY:</b>	0
<b>NFPA OTHER:</b>	None	<b>HMIS PROTECTION:</b>	C

**SECTION XVI - OTHER INFORMATION**

**PREPARATION BY:** Andrew Bach  
**DATE PREPARED:** 12/13/2013  
**REVISION DATE:** 01/22/2021

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

**DISCLAIMER:** To the best of our knowledge, information contained herein is accurate. However there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or

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inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this SDS. The user is responsible for full compliance.