

**Safety Data Sheet**  
**PCA II**

**SECTION I - IDENTIFICATION**

**PRODUCT IDENTIFIER:** PCA II  
**PRODUCT CODE:** 5489  
**RECOMMENDED USE:** Electronic Cleaning Agent  
**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:** Gases Under Pressure: Dissolved Gas  
Skin Irritant: Category 2  
Eye Irritant: Category 2A  
Carcinogenicity: Category 1B  
Reproductive Toxicity: Category 1B  
Specific Target Organ Toxicity (Single Exposure): Category 3  
Specific Target Organ Toxicity (Repeated Exposure): Category 2

**HAZARD STATEMENT(S): DANGER:** Contains gas under pressure; may explode if heated. Causes skin and serious eye irritation.  
May cause cancer. May damage fertility or the unborn child. May cause respiratory irritation, drowsiness or dizziness.  
May cause damage to organs through prolonged or repeated exposure.

This product contains the following percentage of chemicals of unknown toxicity: N/A

**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, protective clothing 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. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. If exposed or concerned: Get medical advice or attention. Do not breathe 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. Do not eat, drink or smoke when using this product. 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
1-Bromopropane	106-94-5	70-80%
1,1,1,2-Tetrafluoroethane	811-97-2	10-20%
Isopropyl alcohol	67-63-0	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**

**EYES:** Immediately flush with water for 15 minutes while holding eyelids open. Seek medical attention if irritation persists.

**INGESTION:** Rinse mouth with water. Do not induce vomiting unless directed by medical authority. Seek medical attention. Never give anything by mouth to an unconscious person.

## Safety Data Sheet

### PCA II

**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 soap and water for 15 minutes. Remove contaminated clothing and shoes immediately. Seek medical attention if irritation persists.

**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.

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

**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, and alcohol foam. Water may be effective for cooling but not extinguishing.

**UNSUITABLE EXTINGUISHING MEDIA:** N/A

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear full protective clothing and NIOSH approved SCBA with full facepiece operated in positive pressure or pressure demand. Use water mist to keep material cool in fire situations.

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

**HAZARDOUS COMBUSTION PRODUCTS:** Oxides of carbon, hydrogen halides, bromides.

#### SECTION VI – ACCIDENTAL RELEASE MEASURES

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

**SPILL:** Absorb with non-combustible material like vermiculite, sand or earth. Place waste in proper containers for waste disposal.

**WASTE DISPOSAL:** Dispose of in accordance with local, state and federal regulations. Do not dump in sewers.

**RCRA STATUS:** Not listed as hazardous waste under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

#### SECTION VII – HANDLING AND STORAGE

**HANDLING AND STORAGE:** Avoid contact with skin, eyes and clothing. Do not inhale mist or vapor. Wear proper personal protective equipment when using this product. Store in a cool, dry area. Keep away from heat, open flames, or other sources of ignition. Wash hands after use. 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. Do not use or store with strong oxidizers.

**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 alkalis, oxidizers, bases, reactive metals, and natural rubber.

#### SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
1-Bromopropane	15 mg/3 (total dust)	0.1 ppm
1,1,1,2-Tetrafluoroethane	15 mg/3 (total dust)	Not Established
Isopropyl alcohol	400 ppm	200 ppm

**ENGINEERING CONTROLS / VENTILATION:** Use only in well-ventilated areas.

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

**PERSONAL PROTECTIVE EQUIPMENT:** Safety glasses/goggles, chemical resistant gloves, and protective clothing.

**ADDITIONAL MEASURES:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective clothing to prevent repeated or prolonged contact with product. Do not touch eyes when using this product. Wash hands thoroughly with soap and water after use.

#### SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Clear, colorless to light yellow spray.

**ODOR:** Solvent.

**Safety Data Sheet**  
**PCA II**

**ODOR THRESHOLD:** N/D

**pH:** N/D

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

**INITIAL BOILING POINT AND BOILING RANGE:** N/D

**FLASH POINT:** N/D

**EVAPORATION RATE:** > 3 Fast

**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):** 1.27 - 1.31 @ 77 °F (25 °C)

**SOLUBILITY(IES):** Non-soluble in water.

**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 acids.

**CHEMICAL STABILITY:** Stable.

**POSSIBLE HAZARDOUS REACTIONS:** None known.

**CONDITIONS TO AVOID:** Avoid open flame, electric arc and other high energy ignition sources. Prolonged contact with free water may result in diminished stabilizer and corrosion. Avoid incompatible materials.

**INCOMPATIBLE MATERIALS:** Strong alkalis, oxidizers, bases, reactive metals, and natural rubber.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of carbon, hydrogen halides, bromides.

**SECTION XI – TOXICOLOGICAL INFORMATION**

**TOXICOLOGICAL INFORMATION: 1-Bromopropane** (106-94-5): LD<sub>50</sub> (Oral, Rat) 4260 mg/kg; LC<sub>50</sub> (Inhalation, Rat, 0.5h) 50291 ppm; LC<sub>50</sub> (Inhalation, Rat, 4h) 14374 ppm.

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

**EYES:** Causes irritation, redness, tearing, pain.

**INGESTION:** May cause gastrointestinal irritation, headaches, nausea, diarrhea.

**INHALATION:** May cause respiratory tract irritation, dizziness, headaches, drowsiness, unconsciousness.

**SKIN:** Causes localized defatting, irritation.

**MEDICAL CONDITION AGGRAVATED:** Pre-existing conditions of the skin, liver, kidneys, central nervous system (CNS) and respiratory system.

**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.

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

**CARCINOGENICITY:** OSHA: No ACGIH: No NTP: 2 - Anticipated IARC: 2B - Possible OTHER: CA Prop 65

**SECTION XII – ECOLOGICAL INFORMATION**

**ECOTOXICITY: 1-Bromopropane** (106-94-5) LC<sub>50</sub> (*Pimephales promelas*, 96h) 67 mg/L; EC<sub>50</sub> (Daphnia, 24h) 208.9 mg/L. **1,1,1,2-Tetrafluoroethane** (811-97-2): LC<sub>50</sub> (Fish, 96h) 450 mg/L; EC<sub>50</sub> (Daphnia, 48h) 980 mg/L. **Isopropyl alcohol** (67-63-0): LC<sub>50</sub> (*Pimephales promelas*, 96h) 9640 mg/L; EC<sub>50</sub> (*Daphnia magna*, 48h) 13299 mg/L; EC<sub>50</sub> (*Desmodesmus subspicatus*, 72h) > 1000 mg/L.

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

**BIOACCUMULATIVE POTENTIAL:** This product is not expected to bioaccumulate.

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

**OTHER ADVERSE EFFECTS:** None known.

**Safety Data Sheet**  
**PCA II**

**SECTION XIII – DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL:** Dispose of in accordance with local, state and federal regulations. Do not dump in sewers.

**RCRA STATUS:** Not listed as hazardous 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:** 2.2

**UN/NA NUMBER:** UN1950

**PACKING GROUP:** N/A

**AIR SHIPMENT**

**PROPER SHIPPING NAME:** Aerosols, non-flammable.

**HAZARD CLASS/DIVISION:** 2.2

**UN/NA NUMBER:** UN1950

**PACKING GROUP:** N/A

**SHIPPING BY WATER:**

**VESSEL (IMO/IMDG)**

**PROPER SHIPPING NAME:** Aerosols.

**HAZARD CLASS/DIVISION:** 2.2

**UN/NA NUMBER:** UN1950

**PACKING GROUP:** N/A

**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-Butylene oxide (106-88-7)

Reportable Quantity = 100 pounds.

**SARA 311/312 HAZARD CATEGORIES:** Gas under pressure. Skin corrosion or irritation. Serious eye damage or eye irritation. Carcinogenicity. Reproductive toxicity. Specific target organ toxicity (single or repeated exposure).

**SARA 313 REPORTABLE INGREDIENTS:** 1-Bromopropane (106-94-5). *sec*-Butyl alcohol (78-92-2). 1,2-Butylene oxide (106-88-7). Nitromethane (75-52-5).

**STATE REGULATIONS: California Proposition 65: WARNING:** This product can expose you to chemicals including 1-Bromopropane (1-BP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov). Isopropyl alcohol (67-63-0): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: CT, FL, IL, MA, MN, NJ, PA, RI, TN. 1-Bromopropane (n-Propyl bromide) (106-94-5): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: MA, NJ, PA. 1,2-Butylene oxide (106-88-7): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: CA, MA, MN, NJ, PA, RI. Nitromethane (75-52-5): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: FL, MN, MA, NJ, PA, RI. *sec*-Butyl alcohol (78-92-2): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: MA, NJ, PA, RI.

**INTERNATIONAL REGULATIONS:** Listed or exempt from listing/notification on the following chemical inventories: Domestic Substances List (DSL, Canada).

**VOLATILE ORGANIC COMPOUNDS (VOC):** 75%

**NFPA HEALTH:** 2

**NFPA FLAMMABILITY:** 0

**NFPA REACTIVITY:** 0

**NFPA OTHER:** None

**HMIS HEALTH:** \*2

**HMIS FLAMMABILITY:** 0

**HMIS REACTIVITY:** 0

**HMIS PROTECTION:** C

**SECTION XVI - OTHER INFORMATION**

**PREPARATION BY:** Craig Bernard

**DATE PREPARED:** 12/27/2013

**REVISION DATE:** 06/21/2024

## Safety Data Sheet

### PCA II

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 of 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 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.