

**Safety Data Sheet**  
**Breach**

**SECTION I - IDENTIFICATION**

**PRODUCT IDENTIFIER:** Breach  
**PRODUCT CODE:** 5451  
**RECOMMENDED USE:** Penetrant  
**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:** Flammable Aerosol: Category 2  
Gases Under Pressure: Liquefied Gas  
Aspiration Hazard: Category 1

**HAZARD STATEMENT(S): DANGER:** Flammable aerosol. Contains gas under pressure; may explode if heated. May be fatal if swallowed and enters airways.

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. If swallowed: Immediately call a poison center or a 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
Distillates (petroleum), hydrotreated light	64742-47-8	70-80%
Naphtha (petroleum), hydrotreated heavy	64742-48-9	5-10%
Carbon dioxide	124-38-9	1-5%

**SECTION IV - FIRST AID MEASURES**

**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.

**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 or unconscious, administer oxygen. If not breathing administer artificial respiration. Seek medical attention if irritation persists.

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

**ACUTE HEALTH HAZARDS:** Prolonged contact with skin may cause irritation. Contact with eyes may cause irritation, redness, tearing. Inhalation of mist or vapors may cause respiratory irritation. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema.

**CHRONIC HEALTH HAZARDS:** None known.

**NOTE TO PHYSICIAN:** Treatment of overexposure should be directed at the control of symptoms and the clinical condition. If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

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**SECTION V – FIRE-FIGHTING MEASURES**

**EXTINGUISHING MEDIA:** Use appropriate media for surrounding fire.

**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. Shut off all sources of ignition. Use water spray to disperse vapor and cool fire exposed containers. Prevent run off from entering streams, sewers, or drinking water supply.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** FLAMMABLE. Contents under pressure. Exposure to temperatures above 122 °F (50 °C) may cause bursting. Keep away from heat, sparks, open flames and other sources of ignition.

**HAZARDOUS COMBUSTION PRODUCTS:** Oxides of carbon, various hydrocarbons.

**SECTION VI – ACCIDENTAL RELEASE MEASURES**

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

**SPILL:** Eliminate all sources of ignition. Clean up using rag or use some non-combustible material like vermiculite, sand or earth. Prevent spill from entering sewers, storm drains and natural waterways. Place waste in proper containers for disposal.

**WASTE DISPOSAL:** Dispose of in accordance with local, state and federal regulations. Do not reuse, puncture or incinerate container. Offer for recycling or wrap container and place in trash collection.

**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. Avoid contact with skin, eyes and clothing. Do not inhale mist or vapor. Store in a cool, dry 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. Do not use or store with strong oxidizers. 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:** None known.

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

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Distillates (petroleum), hydrotreated light	Not Established	200 mg/m <sup>3</sup>
Naphtha (petroleum), hydrotreated heavy	Not Established	Not Established
Carbon dioxide	5000 ppm	5000 ppm

**ENGINEERING CONTROLS / VENTILATION:** Ambient ventilation adequate.

**RESPIRATORY PROTECTION:** Not required with normal use. If vapors are present or irritation is experienced, use NIOSH/MSHA approved respirator.

**PERSONAL PROTECTIVE EQUIPMENT:** Safety glasses/goggles.

**ADDITIONAL MEASURES:** Wash hands thoroughly after handling. No smoking or open flames.

**SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES**

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

**ODOR:** Hydrocarbon.

**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.

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### 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):** 0.82 - 0.86 @ 77 °F (25 °C).  
**SOLUBILITY(IES):** Insoluble.  
**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:** None known.  
**CHEMICAL STABILITY:** Stable.  
**POSSIBLE HAZARDOUS REACTIONS:** None known.  
**CONDITIONS TO AVOID:** Temperatures greater than 122 °F (50 °C) and sources of ignition. Avoid incompatible materials.  
**INCOMPATIBLE MATERIALS:** None known.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** None known.

## SECTION XI – TOXICOLOGICAL INFORMATION

**TOXICOLOGICAL INFORMATION:** **Distillates (petroleum), hydrotreated light** (64742-47-8): LD<sub>50</sub> (Oral, Rat) 5 g/kg; LD<sub>50</sub> (Dermal, Rabbit) 2 g/kg; LC<sub>50</sub> (Inhalation, Rat, 4h) 5 mg/L. **Naphtha (petroleum), hydrotreated heavy** (64742-48-9): LD<sub>50</sub> (Oral) > 5000 mg/kg; LD<sub>50</sub> (Dermal) > 2000 mg/kg; LC<sub>50</sub> (Inhalation) > 5.2 mg/L. **Carbon dioxide** (124-38-9): LC<sub>50</sub> (Inhalation, Rat, 30m) 470,000 ppm.  
**ROUTES OF ENTRY:** Eyes, Inhalation, Skin  
**EYES:** May cause irritation, redness, tearing.  
**INGESTION:** Not a likely route of exposure under normal product handling conditions. May cause gastrointestinal irritation, nausea, diarrhea, vomiting. Ingestion of product may result in vomiting; aspiration (breathing) of vomitus into the lungs must be avoided as even small quantities may result in aspiration pneumonitis.  
**INHALATION:** May cause respiratory tract irritation, dizziness.  
**SKIN:** May cause irritation, localized defatting, dermatitis with prolonged or repeated contact.  
**MEDICAL CONDITION AGGRAVATED:** Pre-existing disorders of the skin.  
**ACUTE HEALTH HAZARDS:** Prolonged contact with skin may cause irritation. Contact with eyes may cause irritation, redness, tearing. Inhalation of mist or vapors may cause respiratory irritation. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema.  
**CHRONIC HEALTH HAZARDS:** None known.  
**CARCINOGENICITY:** OSHA: No ACGIH: No NTP: No IARC: No OTHER: N/A

## SECTION XII – ECOLOGICAL INFORMATION

**ECOTOXICITY:** **Distillates (petroleum), hydrotreated light** (64742-47-8): LC<sub>50</sub> (Daphnia, 48h) > 1000 mg/L; EC<sub>50</sub> (Algae, 72h) > 1000 mg/L. **Naphtha (petroleum), hydrotreated heavy** (64742-48-9): LC<sub>50</sub> (*Pimephales promelas*, 96h) 2200 mg/L; EC<sub>50</sub> (*Chaetogammarus marinus*, 48h) 2.6 mg/L.  
**PERSISTENCE AND DEGRADABILITY:** This product is 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 reuse, puncture or incinerate container. Offer for recycling or wrap container and place in trash collection.  
**RCRA STATUS:** Waste likely considered D001 (Ignitable waste), under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

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**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, Ltd. Qty.  
**HAZARD CLASS/DIVISION:** 2.1  
**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):** None.

**SARA 311/312 HAZARD CATEGORIES:** Flammable (gases, aerosols, liquids, solids). Gas under pressure. Aspiration hazard.

**SARA 313 REPORTABLE INGREDIENTS:** Certain Glycol Ethers (Category Code N230).

**CLEAN WATER ACT:** None.

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

**Oleic acid (112-80-1):** Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: PA, RI.

**INTERNATIONAL REGULATIONS:** Listed or exempt from listing/notification on the following chemical inventories: Australian Inventory of Industrial Chemicals (AIIC, Australia). Domestic Substances List (DSL, Canada). Inventory of Existing Chemical Substances in China (IECSC, China). New Zealand Inventory of Chemicals (NZIoC, New Zealand). Korea Existing Chemicals Inventory (KECI, South Korea).

**VOLATILE ORGANIC COMPOUNDS (VOC):** 16.5%

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

**SECTION XVI - OTHER INFORMATION**

**PREPARATION BY:** Roberto Cerón

**DATE PREPARED:** 06/15/2023

**REVISION DATE:** N/A

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 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.