

Safety Data Sheet

Aqua-Lub

SECTION I - IDENTIFICATION

PRODUCT IDENTIFIER: Aqua-Lub

PRODUCT CODE: 5360

RECOMMENDED USE: Spray 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: Gases Under Pressure: Compressed Gas

Skin Irritant: Category 2

Eye Irritant: Category 2A

Skin Sensitization: Category 1

Germ Cell Mutagenicity: Category 2

Carcinogenicity: Category 1B

Specific Target Organ Toxicity (Single Exposure): Category 3

HAZARD STATEMENT(S): DANGER: Contains gas under pressure; may explode if heated. Causes skin and serious eye irritation.

May cause an allergic skin reaction. Suspected of causing genetic defects. May cause cancer. May cause drowsiness or dizziness.

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. 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, eye protection, and protective clothing. If on skin: Wash with plenty of water. If skin irritation or rash 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. 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 advice or attention. 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. 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
Trichloroethylene	79-01-6	35-45%
Tetrachloroethylene	127-18-4	35-45%
Carbon dioxide	124-38-9	1-5%
Petrolatum (petroleum), oxidized, calcium salt	68425-34-3	1-5%
Solvent naphtha (petroleum), medium aliphatic	64742-88-7	1-5%

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SECTION IV - FIRST AID MEASURES

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.

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.

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: 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, carbon dioxide, water spray, alcohol-resistant foam.

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. 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 in accordance with local, state and federal regulations. Do not dump in sewers.

RCRA STATUS: Waste solvent likely considered U228 (Trichloroethylene), hazardous, under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION VII – HANDLING AND STORAGE

HANDLING AND STORAGE: 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. 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. Store in a cool, dry area. Do not use or store near heat, open flames, or other sources of ignition. Keep out of reach of children. Wash hands and contaminated clothing after use.

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 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
Trichloroethylene	100 ppm	10 ppm
Tetrachloroethylene	100 ppm	25 ppm

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Carbon dioxide	5000 ppm	5000 ppm
Petrolatum (petroleum), oxidized, calcium salt	Not Established	Not Established
Solvent naphtha (petroleum), medium aliphatic	Not Established	Not Established

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: Avoid breathing vapor. If exposure levels are exceeded then organic vapor cartridge respirator or SCBA will be needed.

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

ADDITIONAL MEASURES: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with skin or eyes and avoid breathing vapors. Wash hands after use. If clothing becomes contaminated, immediately remove and wash.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear, dark brown spray

ODOR: Chlorinated solvent odor

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: 0.8 - 3.0 - Medium

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 (H₂O=1): 1.365 @ 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

VISCOOSITY: 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 and sources of ignition. Avoid incompatibles.

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: **Trichloroethylene** (79-01-6): LD₅₀ (Oral, Rat) 4920 mg/kg; LD₅₀ (Dermal, Rabbit) > 20000 mg/kg; LC₅₀ (Inhalation, Mouse, 4h) 8450 ppm. **Tetrachloroethylene (Perchloroethylene)** (127-18-4): LD₅₀ (Oral, Rat) 2629 mg/kg; LC₅₀ (Inhalation, Mouse, 8hr) 34200 mg/m³. **Carbon dioxide** (124-38-9): LC₅₀ (Inhalation, Rat, 30m) 470,000 ppm.

ROUTES OF ENTRY: Eyes, Inhalation, Skin

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

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INGESTION: Not a likely route of exposure under normal product handling conditions. Causes gastrointestinal irritation, headaches, nausea, diarrhea, vomiting, abdominal cramps.

INHALATION: Causes respiratory tract irritation, dizziness, headache, nausea, depression of central nervous system (CNS). 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 (CNS).

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: A2 - Suspected NTP: 2 - Anticipated IARC: 2A - Probable OTHER: CA Prop 65

SECTION XII – ECOLOGICAL INFORMATION

ECOTOXICITY: Toxic to aquatic life with long lasting effects. **Trichloroethylene** (79-01-6): LC₅₀ (*Pimephales promelas*, 96h) 41 - 67 mg/L; LC₅₀ (Mollusk shrimp, 96h) 2 mg/L; EC₅₀ (Daphnia, 48h) 2.2 - 100 mg/L. **Tetrachloroethylene (Perchloroethylene)** (127-18-4): LC₅₀ (*Pimephales promelas*, 96h) 18.4 mg/L; LC₅₀ (*Oncorhynchus mykiss*, 96hr) 5 mg/L; LC₅₀ (*Lepomis macrochirus*, 96hr) 12.9 mg/L; LC₅₀ (*Cyprinodon variegatus*, 96h) 29.4 - 52.2 mg/L; LC₅₀ (Mysid shrimp, 96h) 10.2 mg/L; EC₅₀ (*Daphnia magna*, 48h) 18 mg/L.

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: None known.

SECTION XIII – DISPOSAL CONSIDERATIONS

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

RCRA STATUS: Waste solvent likely considered U228 (Trichloroethylene), hazardous, 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: UN1950

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: UN1950

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: UN1950

PACKING GROUP: N/A

ENVIRONMENTAL HAZARDS WATER: Marine Pollutant.

SECTION XV - REGULATORY INFORMATION

TSCA STATUS: All chemicals are listed or exempt.

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CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Trichloroethylene (79-01-6)

Reportable Quantity = 100 pounds. **Tetrachloroethylene (Perchloroethylene) (127-18-4)** Reportable Quantity = 100 pounds.

SARA 311/312 HAZARD CATEGORIES: Gas under pressure. Skin corrosion or irritation. Serious eye damage or eye irritation.

Respiratory or skin sensitization. Germ cell mutagenicity. Carcinogenicity. Specific target organ toxicity (single or repeated exposure).

SARA 313 REPORTABLE INGREDIENTS: Trichloroethylene (79-01-6). **Tetrachloroethylene (Perchloroethylene) (127-18-4)**.

STATE REGULATIONS: California Proposition 65: WARNING: This product can expose you to chemicals including

Trichloroethylene, 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. **Trichloroethylene (79-01-6):** 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, LA, MA, MI, MN, NJ, NY, PA, RI, TN. **Tetrachloroethylene (Perchloroethylene) (127-18-4):** 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, LA, MA, MI, MN, NJ, NY, RI, PA, TN.

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); Existing and New Chemical Substances (ENCS, Japan); Korean Existing Chemicals Inventory (KECI, Korea); New Zealand Inventory of Chemicals (NZIoC, New Zealand). Philippine Inventory of Chemicals and Chemical Substances (PICCS, Philippines).

VOLATILE ORGANIC COMPOUNDS (VOC): 42.7%

NFPA HEALTH: 2

HMIS HEALTH: 2

NFPA FLAMMABILITY: 1

HMIS FLAMMABILITY: 1

NFPA REACTIVITY: 0

HMIS REACTIVITY: 0

NFPA OTHER: None

HMIS PROTECTION: C

SECTION XVI - OTHER INFORMATION

PREPARATION BY: Roberto Cerón

DATE PREPARED: 09/26/2013

REVISION DATE: 03/28/2022

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

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