



# Safety Data Sheet (SDS)

## SECTION I - IDENTIFICATION

**Product Name:** ..... Clean & Lube  
**Product No.:** ..... 4410  
**Manufacturer:** ..... Rainbow Technology Corporation 1-800-637-6047  
**Contact:** ..... Larry Joe Steeley, Jr.  
**Emergency Phone No. (24 Hrs.):** **CHEM-TEL 1-800-255-3924**      **SDS Issue Date:** ..... 9-21-2020  
**SDS Replaces Date:** ..... 5-2-2014

## SECTION II – HAZARDS IDENTIFICATION

**CLASSIFICATION:** Flammable Aerosol: Category 2  
 Dissolved Gas  
 Eye Irritant: Category 2A  
**HAZARD STATEMENT(S):** **WARNING:** Flammable Aerosol. Contains gas under pressure; May explode if heated. Causes serious eye irritation.  
 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 50C/122F. Store in a well-ventilated place. Wear eye/face protection. Wash hands thoroughly after handling. 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 attention.

**SYMBOL:**



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

## SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

| HAZARDOUS INGREDIENT         | CAS NUMBER | PERCENT |
|------------------------------|------------|---------|
| Ethene, 1,2-dichloro-, (1E)- | 156-60-5   | 15-40%  |
| Carbon Dioxide               | 124-38-9   | 1-5%    |
| Isopropyl Alcohol            | 67-63-0    | 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 with water. Do not induce vomiting unless directed by medical authority. Seek medical attention if irritation persists.  
**INHALATION:** Move to fresh air. If not breathing administer artificial respiration, if breathing is difficult give oxygen.  
**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: dermatitis  
 Inhalation: dizziness  
**CHRONIC HEALTH HAZARDS:** Concentrating vapors and inhaling material can lead to oxygen deprivation, loss of brain function and potential loss of life.  
**NOTE TO PHYSICIAN:** There is no specific treatment regimen. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

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## SECTION V – FIRE-FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Dry chemical or alcohol foam

**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 and hydrogen halides

## 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 a rag or use some non-combustible material like vermiculite, sand or earth. Prevent spill from entering sewers, storm drains, and natural waterways.

**WASTE DISPOSAL:** Dispose of in accordance with federal, state, and local regulations.

**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:** Store in a cool, dry area. Do not use or store near heat or open flames. Exposure to temperatures above 120 F may cause bursting. Do not puncture or incinerate container. Do not reuse empty container. Wrap container and place in trash collection. Vapor may collect in low lying areas.

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

**INCOMPATIBILITY:** Strong alkalis, strong oxidizing agents, some plastics, rubber.

## SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

| HAZARDOUS INGREDIENT         | OSHA PEL | ACGIH TLV |
|------------------------------|----------|-----------|
| Ethene, 1,2-dichloro-, (1E)- | 200 ppm  | 200 ppm   |
| Carbon Dioxide               | 5000 ppm | 5000 ppm  |
| Isopropyl Alcohol            | 500 ppm  | 400 ppm   |

**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 respiratory protection if exposure limits are exceeded.

**PERSONAL PROTECTIVE EQUIPMENT:** Safety glasses and chemical resistant gloves

**ADDITIONAL MEASURES:** Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse.

## SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Clear, Colorless Spray

**ODOR:** 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:** >3 Fast

**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

**EXPLOISVE LIMIT UPPER (%):** N/D

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VAPOR PRESSURE (mm Hg): N/D  
VAPOR DENSITY (AIR=1): N/D  
RELATIVE DENSITY (H<sub>2</sub>O=1): 1.27-1.31  
SOLUBILITY(IES): 5%  
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:** If exposed to strong oxidizers, presents explosion hazard.  
**CHEMICAL STABILITY:** Stable  
**POSSIBLE HAZARDOUS REACTIONS:** None Known  
**CONDITIONS TO AVOID:** Temperatures greater than 120°F and sources of ignition.  
**INCOMPATIBLE MATERIALS:** Strong alkalis, strong oxidizing agents, some plastics, rubber.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of Carbon and Hydrogen Halides.

## SECTION XI – TOXICOLOGICAL INFORMATION

**TOXICOLOGICAL INFORMATION:** Not Established  
**ROUTES OF ENTRY:** Eyes, Ingestion, Inhalation, Skin  
**EYES:** Causes irritation, redness, tearing.  
**INGESTION:** Causes gastrointestinal irritation.  
**INHALATION:** Causes dizziness.  
**SKIN:** Causes irritation, dermatitis with prolonged exposure.  
**MEDICAL CONDITION AGGRAVATED:** None known  
**ACUTE HEALTH HAZARDS:** Eyes: redness, tearing, blurred vision  
Skin: dermatitis  
Inhalation: dizziness  
**CHRONIC HEALTH HAZARDS:** Concentrating vapors and inhaling material can lead to oxygen deprivation, loss of brain function and potential loss of life.  
**CARCINOGENICITY:** OSHA: No ACGIH: No NTP: No IARC: No OTHER: No

## SECTION XII – ECOLOGICAL INFORMATION

**ECOTOXICITY:** Not Established  
**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:** This material is toxic to aquatic life.

## SECTION XIII – DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:** Dispose of in accordance with federal, state, and local regulations.  
**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:** UN 1950  
**PACKING GROUP:** N/A

### AIR SHIPMENT

**PROPER SHIPPING NAME:** Aerosols, flammable  
**HAZARD CLASS/DIVISION:** 2.1

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**UN/NA NUMBER:** UN 1950  
**PACKING GROUP:** N/A

**SHIPPING BY WATER:**  
**VESSEL (IMO/IMDG)**  
**PROPER SHIPPING NAME:** Aerosols, Ltd. Qty.  
**HAZARD CLASS/DIVISION:** 2.1  
**UN/NA NUMBER:** UN 1950  
**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:** None  
**SARA 313 REPORTABLE INGREDIENTS:** **trans-1,2 Dichloroethylene** (156-60-5)  
**STATE REGULATIONS:** California Proposition 65: None  
**INTERNATIONAL REGULATIONS:** All components are listed or exempted.  
**VOLATILE ORGANIC COMPOUNDS (VOC):** 4.5%

|                           |      |                           |   |
|---------------------------|------|---------------------------|---|
| <b>NFPA HEALTH:</b>       | 1    | <b>HMIS HEALTH:</b>       | 1 |
| <b>NFPA FLAMMABILITY:</b> | 3    | <b>HMIS FLAMMABILITY:</b> | 3 |
| <b>NFPA REACTIVITY:</b>   | 0    | <b>HMIS REACTIVITY:</b>   | 0 |
| <b>NFPA OTHER:</b>        | None | <b>HMIS PROTECTION:</b>   | B |

## SECTION XVI - OTHER INFORMATION

**PREPARATION BY:** Andrew Bach  
**DATE PREPARED:** 05/02/2014  
**REVISION DATE:** 09/21/2020

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

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