# Safety Data Sheet

**Issue Date:** 20-Jan-2015 **Revision Date:** 20-March-2019 **Version** 2

## 1. IDENTIFICATION

**Product Identifier**

**Product Name** **CLEANER - DEGREASER, Non Flammable (Aerosol)**

**Other means of identification**

ITEM# M-05120

**UN/ID No** UN 1950

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Solvent Cleaner

**Details of the supplier of the safety data sheet**

**Supplier Address**

Ashburn Chemical Technologies
7403 Wright Rd
Houston, TX 77041

**Emergency Telephone Number**

**Company Phone Number** 832-399-1000

**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Clear, colorless spray **Physical State** Aerosol **Odor** solvent-like

**Classification**

| | |
|---|---|
| Skin irritant | Category 2 |
| Eye Irritant | Category 2A |
| Specific Target Organ Toxicity (Single Exposure) | Category 3 |
| Carcinogenicity | Category 1B |
| Germ Cell Mutagenicity | Category 2 |
| Aspiration Hazard | Category 1 |

**Hazard Not Otherwise Classified (HNOC):** N/A

**Signal Word** **DANGER**

**Hazard Statements**

Contains gas under pressure: May explode if heated. Causes skin and serious eye irritation. May cause drowsiness or dizziness. May cause cancer. Suspected of causing genetic defects. May be fatal if swallowed and enters airways.

**Precautionary Statements - Prevention**

Avoid breathing fumes, mist, vapors, and spray. Use only outdoors or in a well-ventilated area. 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/120°F. Store in a well-ventilated place. Wash hands thoroughly after handling. Wear protective gloves, eye protection and protective clothing.

**Precautionary Statements – Response**

IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash 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 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. 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.

**Precautionary Statements – Disposal**

Dispose of contents and container in accordance with local, state, and national regulations.

**Other Hazards**

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | Weight-% |
|---|---|---|
| Carbon Dioxide | 124-38-9 | 3-7% |
| Trichloroethylene | 79-01-6 | 30-60% |
| Tetrachloroethylene | 127-18-4 | 30-60% |

**If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.**

## 4. FIRST-AID MEASURES

**First Aid Measures**

**General Advice** Provide this SDS to medical personnel for treatment.

**Eye Contact** 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

**Skin Contact** Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse. If skin irritation persists, call a physician.

**Inhalation** Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell

**Ingestion** Do not induce vomiting without medical advice. Seek immediate medical attention/advice.

**Most important symptoms and effects**

**Acute Health Hazard** Eyes: stinging, tearing, redness
Skin: Prolonged or repeated contact may dry skin
Inhalation: dizziness, drowsiness, weakness, and fatigue.
Oral: Vomiting, nausea, irritation

**Chronic Health Hazard** Possible cancer causing agent and overexposure may also include damage to kidneys, liver, dizziness, headache, nausea, mental confusion, visual disturbances, dermatitis, lungs, blood, or central nervous system

**Indication of any immediate medical attention and special treatment needed**

**Notes 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

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media** Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

**Unsuitable Extinguishing Media** N/A.

**Specific Hazards Arising from the Chemical**

Contents under pressure. Exposure to temperatures above 120°F may cause bursting.

**Hazardous Combustion Products** Oxides of carbon, chlorine, hydrogen chloride and phosgene.

**Protective equipment and precautions for firefighters**

Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus(SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedure**

**Personal Precautions** Wear protective clothing as described in Section 8 of this safety data sheet.

**Environmental Precautions** See Section 12 for additional Ecological Information.

**Other Precautions** Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warning and precautions listed for the product. Keep out of the reach of children

**Spill**

**Methods for Clean-Up** 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. Wrap container and place in trash collection, do not puncture, incinerate, or reuse container. Containers may contain hazardous residue.

**RCRA Status** Waste solvent Liquid likely classified as U228 (trichloroethylene) under RCRA, however product should be fully characterized prior to disposal (40 CFR 261)

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice. Avoid breathing fumes, vapors, mists, spray. Wash face, hands, and any exposed skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store locked up.

**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.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines**

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---|---|---|---|
| Carbon Dioxide | 5000 ppm | 5000 ppm | - |
| Trichloroethylene | 25 ppm | 10 ppm | - |
| Tetrachloroethylene | 100 ppm | 25 ppm | - |

**Appropriate engineering controls**

**Engineering Controls** Material is heavier than air. Material may concentrate in low lying areas. Normal, forced ventilation required to meet TLV requirements. Local exhaust ventilation is preferred.

**Individual protection measures, such as personal protective equipment**

**Personal Protective Equipment** Safety glasses, Gloves, and Synthetic apron.

**Respiratory Protection** Wear NIOSH/MSHA approved organic vapor respiratory protection if used in confined, poorly ventilated areas.

**General Hygiene Considerations** Avoid contact with skin, eyes and clothing. After handling this product, wash hands before eating, drinking, or smoking.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

| | | | |
|---|---|---|---|
| **Physical State** | Spray | | |
| **Appearance** | Clear, colorless | **Odor** | Chlorinated, solvent |
| **Color** | colorless | **Odor Threshold** | Not determined |

| Property | Values | Remarks • Method |
|---|---|---|
| **Melting Point** | Not determined | |
| **Boiling Point** | 188 ° F / 87° C | |
| **Freezing Point** | Not determined | |
| **Flammability** | Not considered a flammable aerosol by OSHA (29CFR 1910.1200) | |
| **Flash Point** | Not determined | |
| **Auto-ignition Temperature** | Not determined | |
| **Upper / Lower Flammability Limit** | Not determined | |
| **Vapor Pressure (mm Hg)** | 59 | @ 77°F / 25°C |
| **Vapor Density** | 4.5 | (Air = 1) |
| **Evaporation Rate** | > 3 (fast) | (butyl acetate = 1) |
| **Specific Gravity** | 1.52 | |
| **pH** | Not determined | |
| **Solids** | 0% | |
| **Water Solubility** | 0% | |
| **Solubility in other solvents** | Not determined | |
| **Partition Coefficient** | Not determined | n-Octanol/Water ($K_{OW}$) |
| **Volatility Including Water** | 100% Volatile | |
| **VOC Content (%)** | 50% | |

| | |
|---|---|
| **Dielectric Strength (Volts)** | 29,000 |
| **Decomposition Temperature** | >400°C |
| **Viscosity** | Not determined |
| **Explosive Properties** | Not determined |

## 10. STABILITY AND REACTIVITY

**Reactivity** Chemically active metals and acids.

**Chemical Stability** Stable under recommended storage conditions.

**Possibility of Hazardous Reactions** None under normal processing.

**Conditions to Avoid** Temperatures greater than 122°F and source of ignition.

**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.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

**Eye Contact** Causes irritation, burning, redness, tearing.

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

**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.

**Ingestion** May cause gastrointestinal irritation, nausea, diarrhea, vomiting, abdominal cramps

**Component Information**

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---|---|---|
| Trichloroethylene (79-01-6) | 4920 mg/kg ( Rat ) | >20,000 mg/kg (Rabbit) | 8450 ppm (Mouse) 4 hr |
| Tetrachloroethylene (127-18-4) | 2629 mg/kg (Rat) | >3228 mg/kg (Rabbit) | 34200 mg/m$^3$ (Mouse) 8hr |

**Information on physical, chemical and toxicological effects**

**Symptoms** Please see section 4 of this SDS for symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Carcinogenicity** **OSHA:** Yes **ACGIH:** A2 - Suspected **NTP:** 2 – Anticipated
**IARC:** 2A - Probable **OTHER:** CA Prop 65

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** **Trichloroethylene** (79-01-6) $LC_{50}$ (96hr) Fish: 41 - 67 mg/L.

**Component Information**

**Persistence/Degradability** Component(s) of this product are not biodegradable.

**Bioaccumulation** This product is not expected to bioaccumulate.

**Mobility** This product is mobile in soil.

**Other Ecological Hazard** None known.

## 13. DISPOSAL CONSIDERATIONS

**Waste Treatment Methods**

**Disposal of Wastes** Dispose of 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.

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

## 14. TRANSPORT INFORMATION

**DOT**
**UN/ID No** UN1950
**Proper Shipping Name** Aerosols, Ltd. Qty
**Hazard Class / Division** 2.2 (6.1)

**IATA**
**UN/ID No** UN1950
**Proper Shipping Name** Aerosols, Non-Flammable, Toxic, Containing Substances in Division 6.1 Packaging Group III
**Hazard Class / Division** 2.2 (6.1)

**IMDG**
**UN/ID No** UN1950
**Proper Shipping Name** Aerosols, Toxic
**Hazard Class / Division** 2.2 (6.1)
**Environmental Hazard Water** N/A

## 15. REGULATORY INFORMATION

**International Regulations**

| Chemical Name | TSCA | DSL | NDSL | EINECS | ELINCS | ENCS | IECSC | KECL | PICCS | AICS | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Trichloroethylene 79-01-6 | Y | Y | N | Y | Y | Y | Y | Y | Y | Y | Present |

**Legend:**
***TSCA*** *- United States Toxic Substances Control Act Section 8(b) Inventory*
***DSL/NDSL*** *- Canadian Domestic Substances List/Non-Domestic Substances List*
***EINECS/ELINCS*** *- European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*
***ENCS*** *- Japan Existing and New Chemical Substances*
***IECSC*** *- China Inventory of Existing Chemical Substances*
***KECL*** *- Korean Existing and Evaluated Chemical Substances*
***PICCS*** *- Philippines Inventory of Chemicals and Chemical Substances*
***AICS*** *- Australian Inventory of Chemical Substances*

**US Federal Regulations**

| | |
|---|---|
| **TSA STATUS** | All Chemicals are listed or exempt. |
| **CERCLA** | **Trichloroethylene** (79-01-6) Reportable Quantity = 100 lbs<br>**Tetrachloroethylene** (127-18-4) Reportable Quantity = 100 lbs |
| **SARA 311/312 Hazard Categories** | **Acute Health, Chronic Health** |
| **SARA 313 Reportable Ingredients** | **Trichloroethylene** (79-01-6)<br>**Tetrachloroethylene** (127-18-4) |

**U.S. State Right-to-Know Regulations**

**CA Prop 65:** 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.

**Trichloroethylene** (79-01-6) Right-to-Know: NY, RI, PA, FL, MN, MA, MI, NJ, TN

**INTERNATIONAL REGULATIONS:**
**Trichloroethylene**, (79-01-6) - EC - yes, Japan – yes, Australia – yes, Korea – yes, Canada DSL – yes, Canada NDSL –no, Philippines – yes.
**Tetrachloroethylene** (127-18-4) WHMIS (Canada) Class D-1B: Material causing immediate and serious toxic effects (TOXIC). Class D-2A: Material causing other toxic effects (VERY TOXIC).

## 16. OTHER INFORMATION

| | | | | |
|---|---|---|---|---|
| **NFPA** | **Health Hazards** | **Flammability** | **Instability** | **Special Hazards** |
| | 2 | 1 | 0 | Not determined |
| **HMIS** | **Health Hazards** | **Flammability** | **Physical Hazards** | **Personal Protection** |
| | 2 | 1 | 0 | C |

**Issue Date:** 20-Jan-2015
**Revision Date:** 20-March-2019
**Revision Note:**

**Disclaimer**
**The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.**

**End of Safety Data Sheet**