

MATERIAL SAFETY DATA SHEET
Essentially Similar to U.S. Department of Labor Form OSHA
Revised 03/24/05
HMIS Health-3 Flammability-1 Reactivity-0

SECTION I

Chemical Product and Company Identification

Manufacturer: A.V.W. Inc.

24-Hour Transportation Emergency Phone Number: Chemtrac 800-424-9300 U.S. & Canada

Product Name: Gun Wash

SECTION II

Composition / Information on Ingredient

<u>Description</u>	<u>Cas Number</u>	<u>Weight Percent</u>	<u>Exposure Limits</u>
Trichloroethylene	79-01-6	97	50 ppm, OSHA

SECTION III

Hazards Identification

EMERGENCY OVERVIEW: Clear, colorless liquid. Ether-like odor.

EYE CONTACT: May cause mild eye irritation. Direct contact with the liquid or exposure to vapors or mists may cause stinging, tearing and redness.

SKIN CONTACT: Prolonged and repeated with skin can cause deflating and drying of the skin which may result in skin irritation and dermatitis. May be harmful if absorbed through skin.

INGESTION: Irritation of mouth and throat. Aspiration into lungs may cause mild to severe pulmonary injury.

INHALATION: High concentrations or prolonged exposure to lower concentrations may be slightly irritating to mucous membranes. Inhalation overexposure can lead to central nervous system depression producing effects such as headaches, nausea, dizziness and loss of consciousness. Extreme exposures may cause other central nervous system effects including death.

CHRONIC: Not established

SECTION IV

First Aid Measures

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes. Hold eyelids open during this flushing with water. Call a physician immediately.

SKIN CONTACT: Flush Area with water while removing contaminated clothing and shoes. Follow by washing with soap and water. Do not reuse clothing or shoes until cleaned. If irritation persists, get medical attention. Do not apply oils or ointments unless ordered by the physician.

INGESTION: If conscious, drink a quart of water, then induce vomiting. CALL A PHYSICIAN immediately. If unconscious or in convulsions, take immediately to a hospital or to a physician. NEVER induce vomiting or give anything by mouth to an unconscious victim.

INHALATION: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. CALL A PHYSICIAN. Do not give stimulants unless instructed to do so by a physician.

SECTION V

Fire Fighting Measures

FLAMMABLE PROPERTIES

Flashpoint: None

Method Used:

FLAMMABLE LIMITS:

LFL: 8.0

UFL: 10.5

EXTINGUISHING MEDIA: Dry chemical, CO₂, water spray.

UNUSUAL FIRE & EXPLOSION HAZARDS: Avoid possible bursting of aerosol can. Do not store where temperature may exceed 120F. Do not puncture or incinerate. Product may be thermally decompose to product Hydrogen Chloride vapors and possibly traces of Phosgene. Concentrated vapors can be ignited by high intensity heat source.

SPECIAL FIRE FIGHTING PROCEDURES: Evacuate area of unprotected personnel. Wear protective clothing including a NIOSH-Approved self-contained breathing apparatus. Cool fire-exposed containers with water spray. Run-off from fire control may cause pollution.

SECTION VI

Accidental Release Measures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Review current local, state and federal laws, codes, statutes, and regulations to determine appropriate agencies to be notified, and the conditions under which they are to be notified. Eliminate all sources of ignition. Evacuate unprotected personnel from area. Maintain adequate ventilation. Use proper safety equipment. Contain spill, place into drums for proper disposal. Soak up residue with non-flammable absorbent material. Place in non-leaking containers for immediate disposal. Flush remaining area with water to remove trace residue and dispose of properly. Avoid direct discharge to sewers and surface waters. Notify authorities if entry occurs.

WASTE DISPOSAL METHOD: Review current local, state and federal laws, codes, statutes, and regulations to determine current status and appropriate disposal method for the ingredients listed in Section 2. Dispose of in

(recycle) solvent DO NOT pressurize, cut weld, braze, solder, drill, grind or exposure empty containers to heat, flame, sparks or other sources of ignition.

SECTION VII Handling and Storage

Store in a cool, well-ventilated area away from all sources of ignition and out of direct sunlight. Ground all equipment to prevent accumulation of static charge. Keep containers tightly closed. Store away incompatible materials. Do not store in unlabeled or mislabeled containers.

SECTION VIII Exposure Control /Personal Protection

RESPIRATORY PROTECTION (type): If TLV

PROTECTIVE GLOVES (type): Viton or Neoprene

Is exceeded wear NIOSH-approved self-contained breathing device or respirator.

LOCAL EXHAUST VENTILATION (rate):

EYE PROTECTION: (type): Safety glasses or recommend.

Must be adequate to maintain vapors at less than 50 ppm, particularly at floor level, as vapors are heavier than air.

MECHANICAL VENTILATION (rate): None established

OTHER PROTECTIVE EQUIPMENT: As needed minimize contamination.

SPECIAL VENTILATION: Do not use in small enclosed area.

SECTION IX Physical and Chemical Properties

BOILING POINT: 188 degrees

SPECIFIC GRAVITY: 1.465

VAPOR PRESSURE: 73mm Hg@68 degrees

VOLATILE BY VOLUME: ~97%

VAPOR DENSITY: 4.54

EVAPORATION RATE: 0.3 (Bu Ace=1)

SOLUBILITY IN WATER: Slight

pH (100%) : NA

APPEARANCE & ODOR: Clear, color liquid.
Ether like odor

pH (10%) : NA

SECTION X Stability and Reactivity

STABILITY: Stable

CONDITIONS TO AVOID: Avoid contact with heat, sparks, electric arcs, other hot surfaces and open flames.

INCOMPATIBILITY (materials to avoid): Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: May thermally decompose to form Carbon Monoxide, Carbon Dioxide, Hydrogen Chloride vapors, traces of Phosgene, and unidentifiable materials.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None known.

SECTION XI Toxicological Information

1. Refer to Section 3 for available information on potential health effects.
2. CALIFORNIA PROPOSITION-65

WARNING: This product contains a chemical known to the state of California to cause cancer.

This product contains trichloroethylene that has been listed pursuant to Proposition 65, California Health & Safety Code Section 25249.8. Employers may have obligation to warn their employees and other on their premises of potential exposure to Proposition 65 listed substances. If this product is sold or used in or incorporated into a product sold in California, California law may require that the manufacturer, distributor and retailer of the product provide a warning pursuant to Proposition 65, California Health & Safety Code Section 25249.6. Failure to provide required warning may result in legal liability. This product may not be discharged onto land or into any source of drinking water in California.

SECTION XII Ecological Information

Data not available.

SECTION XIII Disposal Considerations

Any disposal practice must be in compliance with local, state, and federal laws and regulations. Contact the appropriate agency for specific information. Treatment, transport, storage and disposal of hazardous waste must be

