



## SECTION 1 - Product Information

Product Identifier: 8060 Nfp Safety Solvent

Product Use: Cleaner / Degreaser

Manufacturer's Name: AerVOE Industries Inc.

Address: 1100 Mark Circle, Gardnerville, NV 89410

Emergency Phone: 1-800-424-9300

Preparation Date: February 16, 2011

## SECTION 2 - Hazardous Ingredients

Hazardous Ingredients	Weight %	CAS Number	LD <sub>50</sub> of Ingredient (species & route)	LC <sub>50</sub> of Ingredient (species)
Trichloroethylene	> 99	79-01-6	4920 mg / kg (Rat-Oral) 10,000 mg / Kg (Rabbit-Skin)	12,500 ppm / 4 hr (Rat)

## SECTION 3 - Physical Data

Physical State: Liquid

Specific Gravity: 1.5

Evaporation Rate: Slower than Ethyl Ether

Boiling Point: 189° F (87° C)

Freezing Point: N / AV

pH: 8 - 11

Vapor Density (air = 1): Heavier than air

Vapor Pressure (psig): 60mm Hg @ 20° C

Odor and Appearance: Ether-like odor / Clear and colorless

## SECTION 4 - Fire and Explosion Data

Flammability: No

Means of Extinction: *Extinguishing Media* - Carbon dioxide, dry chemical, water spray. *Firefighting Procedures* - Treat as cylinders of compressed gas. Closed containers may rupture due to pressure build up from extreme temperatures. Use water spray to cool containers to prevent pressure build up. Self-contained breathing apparatus should be used if product is involved in fire.

Flashpoint: None

Method Used: TCC

Flammable Limits @ 25° C - LFL: 8.0% UFL: 10.5%

Autoignition Temperature: 788° F (420° C)

Hazardous Combustion Products: Carbon Monoxide. May include Hydrogen Chloride and trace amounts of Phosgene and Chlorine.

Explosion Data - Sensitivity to Mechanical Impact: No

Explosion Data - Sensitivity to Static Discharge: No

## SECTION 5 - Reactivity Data

Chemical Stability: Stable

Incompatibility with Other Substances: Metal powders such as Aluminum, Magnesium, Potassium, Sodium, and Zinc. Strong bases in Aluminum or its alloys.

Reactivity &amp; Conditions: None

Hazardous Decomposition Products: Hydrogen Chloride and very small amounts of Phosgene and Chlorine.

Primary Routes of Entry: Skin Contact, Skin Absorption, Eye Contact, Inhalation, Ingestion

Effects of Acute Exposure to Product:

*Skin Contact* - Irritation.*Skin Absorption* - Irritation.*Eye Contact* - Irritation.*Inhalation* - Irritation. May cause dizziness, light-headedness and / or headaches.*Ingestion* - Irritation. May cause chemical pneumonia if aspirated into lungs.

Effects of Chronic Exposure to Product: Dermatitis.

Exposure Limits (TLV):

Trichloroethylene 50 ppm TWA and 100 ppm STEL - ACGIH 2005

Irritancy: Skin, eyes, and respiratory tract.

Sensitization: N / AV

Carcinogenicity: Trichloroethylene is not listed as a human carcinogen by OSHA. It is listed by ACGIH as TLV-A5, "Not suspected as a Human Carcinogen"; by NTP as R "Reasonably Anticipated To Be A Human Carcinogen"; by IARC as 2A "Probably Carcinogenic to Humans".

Reproductive Toxicity: N / AV

Teratogenicity: N / AV

Mutagenicity: N / AV

Synergistic Products: N / AV

## SECTION 7 - Preventive Measures

Personal Protective Equipment (PPE): Gloves - Yes Respirator - Yes Eye - Yes Footwear - No Clothing - No Other - No

*Skin Protection* - Chemical resistant gloves such as Neoprene or Nitrile rubber.*Respiratory Protection* - In areas with poor ventilation, use a NIOSH approved air purifying respirator.

For concentrations above the TLV (as defined in Section 6), use a positive air supplied respirator.

*Eye Protection* - Safety glasses or goggles.**Engineering Controls:** General ventilation to maintain exposure limits below TLV's as defined in Section 6.

**Leak and Spill Procedure:** Remove all sources of ignition. Ventilate area. Prevent from entering a watercourse. Use an inert absorbent material and non-sparking type tools.

**Waste Disposal:** Dispose of in accordance with local, state/provincial or territorial, and federal regulations. Do not incinerate closed containers.

**Handling Procedures and Equipment:** Do not use near heat, sparks, or open flame. Use PPE as defined in Section 7.**Storage Requirements:** Do not store near heat, sparks, flame or above 120° F (49° C).**Special Shipping Information:** Trichloroethylene, 6.1, UN1710, III.

## SECTION 8 - First Aid Measures

**Inhalation:** Remove from exposure, seek medical attention if signs/symptoms persist.**Ingestion:** Do NOT induce vomiting. Drink plenty of water, seek medical attention.**Skin Contact:** Wash affected area with soap and water, remove contaminated clothing, seek medical attention if irritation persists.**Eye Contact:** Flush immediately with water for 15 minutes, seek medical attention if irritation persists.

## SECTION 9 - Preparation Information

Prepared by: Technical Department

Telephone Number: 775-783-3100

Preparation Date: 2-16-2011

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