



## 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	93 - 98	79-01-6	4920 mg / kg (Rat-Oral) 10,000 mg / Kg (Rabbit-Skin)	12,500 ppm / 4 hr (Rat)
Carbon Dioxide	2 - 7	124-38-9	N / AV	N / AV

## SECTION 3 - Physical Data

**Physical State:** Aerosol**Boiling Point:** N / AP**Vapor Density (air = 1):** Heavier than air**Odor and Appearance:** Ether-like odor / Clear and colorless**Specific Gravity:** 1.5**Freezing Point:** N / AV**Evaporation Rate:** Slower than Ethyl Ether**pH:** N / AP**Vapor Pressure (psig):** 95 - 100

## 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:** Estimated**Flammable Limits @ 25° C - LFL:** 8.0% **UFL:** 10.5%**Autoignition Temperature:** 788° F (420° C) conc.**Hazardous Combustion Products:** Carbon Monoxide, Carbon Dioxide. 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 & Conditions:** None**Hazardous Decomposition Products:** Hydrogen Chloride and very small amounts of Phosgene and Chlorine.**Primary Routes of Entry:** Skin Contact, Eye Contact, Inhalation**Effects of Acute Exposure to Product:***Skin Contact* - Irritation.*Eye Contact* - Irritation.*Inhalation* - Irritation. May cause dizziness, light-headedness and / or headaches.**Effects of Chronic Exposure to Product:** Dermatitis.**Exposure Limits (TLV):**

Trichloroethylene 50 ppm TWA and 100 ppm STEL - ACGIH 2005

Carbon Dioxide 5000 ppm TWA and 30,000 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". The remaining ingredients are not listed as a human carcinogen by OSHA, ACGIH, NTP, or IARC.**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:** Consumer Commodity ORM-D.

## 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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