



## SECTION 1 - Product Information

**Product Identifier:** 8276 Off-Line Contact Cleaner  
**Product Use:** Cleaner  
**Manufacturer's Name:** AerVOE Industries Inc.  
**Address:** 1198 Mark Circle, Gardnerville, NV 89410  
**Emergency Phone:** 1-800-424-9300

## SECTION 2 - Hazardous Ingredients

Hazardous Ingredients	Weight %	CAS Number	LD <sub>50</sub> of Ingredient (species & route)	LC <sub>50</sub> of Ingredient (species)
Hexane	60 - 100	110-54-3	28,710 mg / kg (Rat-Oral)	N / AV
Isopropanol	7 - 13	67-63-0	5.8 g / kg (Rat-Oral)	12000 ppm / 8 hr (Rat)
Carbon Dioxide	1 - 5	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:** Hydrocarbon odor / Clear and colorless liquid  
**Coefficient of Water/Oil Distribution:** N / AV

**Specific Gravity:** 0.7  
**Freezing Point:** N / AV

**Evaporation Rate:** Faster than n-Butyl Acetate  
**pH:** N / AP  
**Vapor Pressure (psig):** 50 - 60  
**Odor Threshold (ppm):** N / AV

## SECTION 4 - Fire and Explosion Data

**Flammability:** Yes - Flammable aerosol under conditions of sparks, flame, or excessive heat.  
**Means of Extinction:** *Extinguishing Media* - Carbon dioxide, foam, dry chemical. *Firefighting Procedures* - Treat as cylinders of compressed gas. Closed containers may rupture due to pressure build up from extreme temperature. 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:** < 0° F (-18° C)      **Method Used:** Estimated      **Flammable Limits - LFL:** 1.1%      **UFL:** 12.1%  
**Autoignition Temperature:** N / AV      **Hazardous Combustion Products:** Carbon Monoxide, Carbon Dioxide.  
**Explosion Data - Sensitivity to Mechanical Impact:** No      **Explosion Data - Sensitivity to Static Discharge:** No

## SECTION 5 - Reactivity Data

**Chemical Stability:** Stable  
**Reactivity & Conditions:** None

**Incompatibility with Other Substances:** Strong oxidizing agents.  
**Hazardous Decomposition Products:** None

**NOTE:** N / AP = Not Applicable N / AV = Not Available

**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):**

Hexane 50 ppm TWA (Skin) - ACGIH 2001

Isopropanol 400 ppm TWA and 500 ppm STEL - ACGIH 2001

Carbon Dioxide 5000 ppm TWA and 30000 ppm STEL - ACGIH 2001

**Irritancy:** Skin, eyes, and respiratory tract.

**Sensitization:** N / AV

**Carcinogenicity:** The ingredients are not listed as a human carcinogen by IARC, ACGIH, NTP, or OSHA.

**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 Organic Vapor Cartridge 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, 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:** 775-782-0100

**Preparation Date:** 11-08-02

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