



SECTION 1 - Product Information

Product Identifier: 399 Cleaner & Degreaser
Product Use: Cleaner
Manufacturer's Name: Aervoe Industries Inc.
Address: 1100 Mark Circle, Gardnerville, NV 89410
Emergency Phone: 1-800-424-9300
Preparation Date: January 20, 2011

SECTION 2 - Hazardous Ingredients

Hazardous Ingredients	Weight %	CAS Number	LD ₅₀ of Ingredient (species & route)	LC ₅₀ of Ingredient (species)
Solvent Naphtha, Light Aliphatic	60 - 80	64742-89-8	> 2000 mg / kg (Rat-Dermal) > 2000 mg / kg (Rat-Oral)	> 5000 ppm / 1 hr (Rat)
Propylene Glycol Methyl Ether	10 - 30	107-98-2	N / AV	N / AV
Acetone	5 - 10	67-64-1	5800 mg / kg (Rat-Oral)	21000 ppm / 8 hr (Rat)
Carbon Dioxide	3 - 7	124-38-9	N / AV	N / AV

SECTION 3 - Physical Data

Physical State: Aerosol
Boiling Point: N / AP
Vapour Density (air = 1): Heavier than air
Odor and Appearance: Clear and colorless liquid with a hydrocarbon odor

Specific Gravity: 0.8
Freezing Point: N / AV
Vapour Pressure (psig): 35 to 55

Evaporation Rate: Faster than n-Butyl Acetate
pH: N / AP

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, dry chemical, water spray. *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:** 0.8% **UFL:** 13.0%
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

SECTION 6 - Toxicological Properties

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. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Effects of Chronic Exposure to Product: Dermatitis. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Repeated overexposure can also damage kidneys, lungs, liver, heart and blood.

Exposure Limits (TLV):

Solvent Naphtha (Petroleum), Light Aliphatic N / AV - ACGIH 2005
 Propylene Glycol Methyl Ether 100 ppm TWA and 150 ppm STEL - ACGIH 2005
 Acetone 500 ppm TWA and 750 ppm STEL - ACGIH 2005
 Carbon Dioxide 5000 ppm TWA and 30000 ppm STEL - ACGIH 2005

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: 775-783-3100

Preparation Date: January 20, 2011

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