



SECTION 1 - Product Information

Product Identifier: 860 Glass & Surface Cleaner

Product Use: Cleaner

Manufacturer's Name: Aerove Industries Inc.

Address: 1100 Mark Circle, Gardnerville, NV 89410

Emergency Phone: 1-800-424-9300

Preparation Date: February 15, 2011

SECTION 2 - Hazardous Ingredients

Hazardous Ingredients	Weight %	CAS Number	LD ₅₀ of Ingredient (species & route)	LC ₅₀ of Ingredient (species)
Ethyl Alcohol	1 - 5	64-17-5	N / AV	N / AV
Ethylene Glycol Monobutyl Ether	1 - 5	111-76-2	N / AV	N / AV
Methanol	1 - 5	67-56-1	6.2 to 12.9 g / kg (Rat-Oral)	64,000 ppm / 4 hr (Rat)

SECTION 3 - Physical Data

Physical State: Liquid **Specific Gravity:** 1.0 **Evaporation Rate:** Slower than n-Butyl Acetate
Boiling Point: 212°F (100°C) **Freezing Point:** N / AV **pH:** N / AP
Vapor Density (air = 1): Heavier than air **Vapor Pressure (psig):** N / AV
Odor and Appearance: Clear liquid with bouquet odor **Odor Threshold (ppm):** N / AV
Coefficient of Water/Oil Distribution: N / AV

SECTION 4 - Fire and Explosion Data

Flammability: No
Means of Extinction: *Extinguishing Media* - Carbon dioxide, foam, dry chemical. *Firefighting Procedures* - 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: None **Method Used:** Estimated **Flammable Limits - LFL:** N / AV% **UFL:** N / AV%
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 **Incompatibility with Other Substances:** Strong oxidizing agents, strong acids or bases.
Reactivity & Conditions: None **Hazardous Decomposition Products:** None

SECTION 6 - Toxicological Properties

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* - Low toxicity. May cause chemical pneumonia if aspirated into lungs.**Effects of Chronic Exposure to Product:** Dermatitis.**Exposure Limits (TLV):**

Ethyl Alcohol 1000 ppm TWA - ACGIH 2005

Ethylene Glycol Monobutyl Ether 20 ppm (Skin) - ACGIH 2005

Methanol 200 ppm TWA and 250 ppm STEL - ACGIH 2003

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.**Special Shipping Information:**

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: 2-15-2011

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