



## SECTION 1 - Product Information

**Product Identifier:** 860 Glass and Surface Cleaner  
**Product Use:** Ground Marking Paint  
**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 <sub>50</sub> of Ingredient (species & route)	LC <sub>50</sub> of Ingredient (species)
Hydrocarbon Propellant	1 - 5	68476-86-8	N / AV	N / AV
Ethanol	1 - 5	64-17-5	N / AV	N / AV
Ethylene Glycol Monobutyl Ether	1 - 3	111-76-2	N / AV	N / AV
Methanol	1 - 3	67-56-1	6.2 to 12.9 g / kg (Rat-Oral)	64,000 ppm / 4 hr (Rat)

Contains 85 - 95% Water

## SECTION 3 - Physical Data

**Physical State:** Aerosol  
**Boiling Point:** N / AP  
**Vapor Density (air = 1):** Heavier than air  
**Odor Threshold (ppm):** N / AV

**Specific Gravity:** 1.0  
**Freezing Point:** N / AV  
**Vapor Pressure (psig):** 35 to 55  
**Solubility in water:** Infinitely soluble

**Evaporation Rate:** Faster than n-Butyl Acetate  
**pH:** N / AP  
**Odor and Appearance:** Clear liquid / bouquet odor

## SECTION 4 - Fire and Explosion Data

**Flammability:** Not Flammable.  
**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:** N / A  
**Autoignition Temperature:** N / AV  
**Explosion Data - Sensitivity to Mechanical Impact:** No

**Method Used:** N / A  
**Hazardous Combustion Products:** Carbon Monoxide, Carbon Dioxide.  
**Explosion Data - Sensitivity to Static Discharge:** No

**Flammable Limits - LFL:** N / A **UFL:** N / A

## SECTION 5 - Reactivity Data

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

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

**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):**

Hydrocarbon Propellant	N / AV - ACGIH 2005
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 2005

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

**Sensitization:** N / AV

**Carcinogenicity:** The ingredient s 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.

**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. Contact physician or poison control center immediately.

**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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