

# **Material Safety Data Sheet**

The information presented in these forms is believed to be correct and sufficient to meet the requirements of OSHA Hazard Communication standard (29 CFR 1910.1200) concerning worker's right to know. In order for the information contained in the MSDS to be most helpful we recommend that these forms be made available to all those who handle or may otherwise be exposed to the product.

This MSDS covers the following AerVOE aerosol product.

**PRODUCT NAME:** 415 Contact Cleaner - Bulk

**MSDS Code:** 415 MB

## SECTION I - MANUFACTURER IDENTIFICATION

**MANUFACTURER'S NAME:** AerVOE Industries Inc.

**ADDRESS:** 1198 Mark Circle, Gardnerville, NV 89410

**INFORMATION PHONE:** 775-782-0100

**EMERGENCY PHONE:** 1-800-424-9300

**DATE REVISED:** January 28, 2010

**REASON REVISED:** Updated

## SECTION II - HAZARDOUS INGREDIENTS / SARA III INFORMATION OCCUPATIONAL EXPOSURE LIMITS

HAZARDOUS COMPONENTS	WEIGHT PERCENT	OSHA PEL	ACGIH TLV	ACGIH STEL	LD50 SPECIES & ROUTE	LC50 SPECIES & ROUTE
*Hexane (CAS 110-54-3)	80 - 90	500 ppm	50 ppm (skin)		2870 mg / kg (Rat-Oral)	N / AV
Ethyl Alcohol (CAS 64-17-5)	5 - 15	1000 ppm	1000 ppm		N / AV	N / AV
*Methanol (CAS 67-56-1)	1 - 5	200 ppm	200 ppm (skin)	250 ppm	6.2 to 12.9g / kg (Rat-Oral)	64,000 ppm / 4 hr (Rat-Inha)

\*Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

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

415 Contact Cleaner - Bulk

## SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

**BOILING POINT:** N / AP

**SPECIFIC GRAVITY (H2O=1):** 0.7

**COEFFICIENT OF WATER/OIL DIST:** N / AV

**ODOR THRESHOLD:** N / AV

**VAPOR DENSITY:** Heavier than air

**SOLUBILITY IN WATER:** Partial

**EVAPORATION RATE:** Faster than n-Butyl Acetate

**APPEARANCE AND ODOR:** Clear & colorless with a hydrocarbon odor.

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLASH POINT:** < 0° F (-18° C) **METHOD USED:** Estimated **FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER:** 1.1% **UPPER:** 36.0%

**EXTINGUISHING MEDIA:** Carbon Dioxide, Dry Chemical, Water Spray

**SPECIAL FIRE FIGHTING PROCEDURES:** Use water spray to cool containers exposed to heat or fire to prevent pressure build up.

Self-contained breathing apparatus should be used if product is involved in fire.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Closed containers may rupture due to pressure build up from extreme heat or fire.

**SENSITIVITY TO IMPACT:** Do not puncture

**SENSITIVITY TO STATIC DISCHARGE:** Primarily vapors

**FLAMMABILITY:** Yes - Flammable aerosol under conditions of sparks, flame, or hot surfaces.

## SECTION V - REACTIVITY DATA

**STABILITY:** Stable

**CONDITIONS TO AVOID:** Open flames, sparks, electrical arcs.

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong oxidizing agents.

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Carbon Dioxide, Carbon Monoxide

**HAZARDOUS POLYMERIZATION:** Will not occur

## SECTION VI - HEALTH HAZARD DATA

**INHALATION:** Respiratory tract irritant. May cause dizziness, light-headedness and / or headaches. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

**SKIN CONTACT:** Prolonged or repeated contact may cause irritation and dermatitis.

**EYE CONTACT:** Painful with slight to moderate irritation.

**INGESTION:** May be harmful or fatal if swallowed.

**EFFECTS OF CHRONIC OVEREXPOSURE:** 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.

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

**TERATOGENICITY:** Not established

**MUTAGENICITY:** Not established

**MEDICAL CONDITION GENERALLY AGGRAVATED BY EXPOSURE:** Not established.

**EMERGENCY AND FIRST AID PROCEDURES:** INHALATION - Remove from exposure, seek medical attention if signs/symptoms persist.

SKIN - Wash affected area with soap and water, remove contaminated clothing, seek medical attention if irritation persists.

EYES - Flush immediately with water for 15 minutes, seek medical attention if irritation persists.

INGESTION - Do not induce vomiting. contact physician or poison control center immediately.

## SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Remove all sources of ignition. Ventilate area. Prevent from entering a watercourse. Use an inert absorbent material and non-sparking type tools.

**WASTE DISPOSAL METHOD:** Dispose of in accordance with local, state and federal regulations. Do not incinerate closed containers.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Do not store above 120° F . Do not store or use near heat, sparks or flame.

**OTHER PRECAUTIONS:** Do not smoke while using this product.

## SECTION VIII - CONTROL MEASURES

**RESPIRATORY PROTECTION:** In areas with poor ventilation, use a NIOSH approved Organic Vapor Cartridge Respirator.

For concentrations above the TLV (as defined in Section II), use a positive air supplied respirator.

**VENTILATION:** General ventilation to maintain exposure limits below TLV's as defined in Section II.

**PROTECTIVE GLOVES:** Chemical resistant gloves such as Neoprene or Nitrile rubber.

**EYE PROTECTION:** Safety glasses or goggles.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** None

**WORK / HYGIENIC PRACTICES:** Avoid prolonged or repeated contact. Do not breathe vapors. Wash contaminated clothing prior to reuse.

## SECTION IX - DISCLAIMER

THE INFORMATION CONTAINED HEREIN IS BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED TO BE SO. NOTHING CONTAINED HEREIN CONSTITUTES A SPECIFICATION NOR IS IT INTENDED TO WARRANT SUITABILITY FOR THE INTENDED USE.