



Material Safety Data Sheet

TO: MSDS USERS

Please find below the material safety data sheet as per your request.

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 Industries aerosol product.

PRODUCT NAME:

5062 Anti-Vandal Spray

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: 11-27-02

REASON REVISED: Revised

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

HAZARDOUS COMPONENTS	WEIGHT PERCENT	OSHA PEL	ACGIH TLV	OTHER	LD50 SPECIES & ROUTE	LC50 SPECIES & ROUTE
*Trichloroethylene (CAS 79-01-6)	30 - 60	100 ppm	50 ppm		5650 mg / kg (Rat-Oral)	8450 ppm / 4 hr (Mouse-Inha)
Heptane (CAS 142-82-5)	10 - 30	500 ppm	400 ppm	500 ppm (STEL)	N/A	N/A
*Methyl Ethyl Ketone (CAS 78-93-3)	7 - 13	200 ppm	200 ppm	300 ppm (STEL)	N/A	N/A
Isopropanol (CAS 67-63-0)	7 - 13	400 ppm	400 ppm	500 ppm (STEL)	4700 mg / kg (Rat-Oral)	16000 ppm / 4 hr (Rat-Inha)
*Toluene (CAS 108-88-3)	7 - 13	200 ppm	50 ppm (Skin)		N/A	N/A
Carbon Dioxide (CAS 124-38-9)	1 - 5	5000 ppm	5000 ppm		N/A	N/A

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

NOTE: N/A applies to not available or not applicable

SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT: N/A

SPECIFIC GRAVITY (H20=1, @70°F): 1.0

VAPOR DENSITY: Heavier than air

SOLUBILITY IN WATER: Negligible

EVAPORATION RATE: Faster than n-Butyl Acetate

APPEARANCE AND ODOR: Clear color with ether-like odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: < 20° F (-7° C)

METHOD USED: Estimated

FLAMMABLE LIMITS - LEL: 1.1% UEL: 12.1%

EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Water spray may be used 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: Treat as cylinders of compressed gas. Closed containers may rupture due to pressure build up from extreme heat or fire.

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 Monoxide, Carbon Dioxide, Hydrogen Chloride gas and possible traces of Phosgene.

HAZARDOUS POLYMERIZATION: Will not occur

SECTION VI - HEALTH HAZARD DATA

INHALATION: Respiratory tract irritant. May cause dizziness, light-headedness and / or headaches.

SKIN CONTACT: Prolonged or repeated contact may cause defatting and / or dermatitis.

EYE CONTACT: Painful and slight to moderate irritation.

SKIN ABSORPTION: Not likely to be absorbed in toxic amounts.

INGESTION: Not likely.

CARCINOGENICITY: Except for Trichloroethylene, the ingredients are not listed as a human carcinogen by IARC, ACGIH, NTP, or OSHA. Trichloroethylene is listed by IARC as 2A "Probably Carcinogenic to Humans".

MUTAGENICITY: Not established

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MEDICAL CONDITION GENERALLY AGGRAVATED BY EXPOSURE: Not established

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

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

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

INGESTION - Do NOT induce vomiting, drink plenty of water, seek medical attention.

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 (49° C). Do not store or use near heat, sparks or flame.

OTHER PRECAUTIONS: Do not get in eyes. Do not breathe vapors. Avoid skin contact. Do not take internally. Smoking while using this product must be strictly prohibited.

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: All application areas should be adequately ventilated in order to keep the items in SECTION II below their exposure limits.

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

EYE PROTECTION: Safety glasses with side shields are recommended.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Not established.

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.