



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.

This MSDS covers the following Aervoe aerosol products.

PRODUCT NAME: Aervoe - 876 Carton Adhesive
Crown - 8091 Hi-Strength Adhesive

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: Aervoe Industries Inc.
INFORMATION PHONE: 775-782-0100
DATE REVISED: 05-06-04

ADDRESS: 1198 Mark Circle, Gardnerville, NV 89410
EMERGENCY PHONE: 1-800-424-9300
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
Acetone (CAS 67-64-1)	20 - 30	1000 ppm	500 ppm	750 ppm	5800 mg / kg (Rat-Oral)	21000 ppm / 8 hr (Rat-Inha)
*Hexane (CAS 110-54-3)	1 - 10	500 ppm	50 ppm (skin)		2870 mg / kg (Rat-Oral)	N / AV
Isobutane/Propane Blend (CAS 75-28-5/74-98-6)	40 - 50	1000 ppm	1000 ppm		N / AV	N / AV

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

NOTE: N/AV applies to not available, N/AP applies to not applicable, N/E applies to not established.

BOILING POINT: N / AV
ODOR THRESHOLD: N / AV
EVAPORATION RATE: N/E

SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS
SPECIFIC GRAVITY (H2O=1): 0.9 (concentrate)
VAPOR DENSITY: N/E
APPEARANCE AND ODOR: Straw colored liquid with ketone odor

COEFFICIENT OF WATER/OIL DIST: N / AV
SOLUBILITY IN WATER: Partial

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: < 0° F (-18° C)
EXTINGUISHING MEDIA: Foam, Carbon Dioxide, Dry Chemical, Water
SPECIAL FIRE FIGHTING PROCEDURES: Use water fog 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.
FLAMMABILITY: Flammable aerosol under conditions of sparks, flame, or hot surfaces.
SENSITIVITY TO IMPACT: Product will leak if container is punctured

METHOD USED: Estimated
FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER: N/E
UPPER: N/E

SENSITIVITY TO STATIC DISCHARGE: Primarily vapors

SECTION V - REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing agents.
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon Dioxide, Carbon Monoxide.
HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Open flame, welding arcs, heat, sparks.

SECTION VI - HEALTH HAZARD DATA

INHALATION: Excessive inhalation of vapors can cause nasal & respiratory irritation, dizziness, weakness, nausea, headache, possible unconsciousness or asphyxiation.
SKIN CONTACT: Irritation due to defatting of skin.
EYE CONTACT: Irritation
INGESTION: Possible chemical pneumonitis if aspirated into lungs.
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: May aggravate existing eye, skin, or upper respiratory conditions.
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, drink two large glasses of water, seek medical attention.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb with suitable medium. Incenerate or landfill according to local, state or federal regulations. DO NOT FLUSH TO SEWER.
WASTE DISPOSAL METHOD: Aerosol cans when vented to atmospheric pressure through normal use, pose no disposal hazard.
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Do not puncture or incenerate containers. Do not store above 130° F (54°C) . Do not store or use near heat, sparks or flame.
OTHER PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN. Avoid food contamination. Avoid breathing vapors. Remove ignition sources.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION: If vapor concentration exceeds TLV, use respirator approved by NIOSH inh positive pressure mode.
VENTILATION: General ventilation to maintain exposure limits below TLV's as defined in Section II.
PROTECTIVE GLOVES: Neoprene
EYE PROTECTION: Safety glasses or goggles.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None
WORK / HYGIENIC PRACTICES: Wash with soap and water before handling food. Remove contaminated clothing.

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.