



# 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 aerosol product.

PRODUCT NAME:



Sprâ Tool (Replacement Power Pak 8211)

SECTION I - MANUFACTURER IDENTIFICATION

**MANUFACTURER'S NAME:** Aervoe Industries Inc.  
**INFORMATION PHONE:** 775-782-0100  
**DATE REVISED:** November 19, 2008

**ADDRESS:** 1198 Mark Circle, Gardnerville, NV 89410  
**EMERGENCY PHONE:** 1-800-424-9300  
**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 |
|-----------------------------------------|----------------|----------|-----------|-------|----------------------|----------------------|
| Hydrocarbon Propellant (CAS 68476-86-8) | 60 - 100       | 1000 ppm | 1000 ppm  |       | N / AV               | N / AV               |

\*\*\*No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present.\*\*\*  
**NOTE:** N / AP = Not Applicable N / AV = Not Available

8211MA

SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

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**BOILING POINT:** -16° F (-27° C)  
**VAPOR DENSITY:** Heavier than air  
**EVAPORATION RATE:** N / AV

**SPECIFIC GRAVITY (H20=1):** 0.5  
**SOLUBILITY IN WATER:** Slight  
**APPEARANCE AND ODOR:** Clear odorless gas

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLASH POINT:** < 0° F (-18° C)  
**EXTINGUISHING MEDIA:** Carbon dioxide, dry chemical, mist, or water spray  
**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.

**METHOD USED:** Estimated  
**FLAMMABLE LIMITS - LEL:** 1.8%  
**UEL:** 9.5%

SECTION V - REACTIVITY DATA

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

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

SECTION VI - HEALTH HAZARD DATA

**INHALATION:** Variable simple asphyxiant / anesthetic. Acute exposure may cause nausea, vomiting, coughing and pulmonary irritation. Chronic exposure may cause dizziness, weakness, peripheral numbness and nervousness.  
**SKIN / EYE CONTACT:** Contact with liquid can freeze tissue, similar to thermal burn. May cause frostbite.  
**SKIN ABSORPTION:** None  
**INGESTION:** Not likely.  
**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:** Respiratory related chronic illinesses (i.e. asthma,etc.)  
**EMERGENCY AND FIRST AID PROCEDURES:** INHALATION - Remove from exposure. Seek medical attention if signs/symptoms persist.  
**SKIN / EYES -** Contact with liquid can freeze tissue, similar to thermal burn. May cause frostbite, 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. If applicable, stop leak. Disperse vapors with water spray.  
**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:** Product is highly flammable and forms explosive mixtures with air, oxygen and all oxidizing agents. Avoid high temperatures that may elevate component pressure above container rating.  
**OTHER PRECAUTIONS:** Use and store this product with adequate ventilation, use non-sparking tools.

SECTION VIII - CONTROL MEASURES

**RESPIRATORY PROTECTION:** None  
**VENTILATION:** General ventilation to maintain exposure limits below TLV's as defined in Section II.  
**PROTECTIVE GLOVES:** Chemical resistant gloves such as Nitrile rubber.  
**EYE PROTECTION:** Safety glasses with side shields are recommended.  
**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** To prevent repeated or prolonged skin contact, wear impervious clothing.  
**WORK / HYGIENIC PRACTICES:** Availability of eyewash and safety shower station recommended.

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.