



# 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.

The following material safety data sheet covers the hazardous ingredients associated with more than one color aerosol paint. As per 29 CFR 1900.1200 paragraph (g); whenever the hazards associated with similar mixtures are the same, then one MSDS may be prepared to cover several products.

This MSDS covers the following Aerove aerosol products.

**ENGINE ENAMEL**

510 Universal Clear	520 Chevrolet Orange	560 Ford Blue	570 Universal Silver
511 Universal White	530 Cadillac Gold	561 Chevrolet Blue	575 Dull Aluminum
512 Flat Black	540 Alpine Green	562 G.M. Blue	580 Cummins Beige
513 Satin Black	550 Ford Red	566 Ford-Merc. Blue	582 Cast Iron Gray
514 Gloss Black	551 Ford Gray	568 Chrysler Blue	583 Steel Blast Gray

**SECTION I - MANUFACTURER IDENTIFICATION**

**MANUFACTURER'S NAME:** Aerove Industries Inc. **ADDRESS:** 1198 Mark Circle, Gardnerville, NV 89410  
**INFORMATION PHONE:** 775-782-0100 **EMERGENCY PHONE:** 1-800-424-9300  
**DATE REVISED:** 06-10-03 **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)	15 - 40	1000 ppm	500 ppm		5800 mg / kg (Rat-Oral)	21000 ppm / 8 hr (Rat-Inha)
Hydrocarbon Propellant (CAS 68476-86-8)	15 - 40	1000 ppm	1000 ppm		N / AV	N / AV
*Xylene (CAS 1330-20-7)	10 - 30	100 ppm	100 ppm		4300 mg / kg (Rat-Oral)	6700 ppm / 4 hr (Rat-Inha)
Methyl Propyl Ketone (CAS 107 87 9)	1 - 5	200 ppm	200 ppm	250 ppm	N / AV	N / AV
*n-Butanol (CAS 71-36-3)	0.5 - 2.0	100 ppm	20 ppm		2500 mg / kg (Rat-Oral)	8000 ppm / 4 hr (Rat-Inha)
n-Butyl Acetate (CAS 123-86-4)	0.5 - 2.0	150 ppm	150 ppm	200 ppm	N / AV	N / AV
Aliphatic Hydrocarbon (CAS 8052-41-3)	0.5 - 2.0	500 ppm	100 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 / AP = Not Applicable N / AV = Not Available

**SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS**

**BOILING POINT:** N / AP **SPECIFIC GRAVITY (H2O=1):** 0.7 to 0.8  
**VAPOR DENSITY:** Heavier than air **SOLUBILITY IN WATER:** Negligible  
**EVAPORATION RATE:** Faster than n-Butyl Acetate **APPEARANCE AND ODOR:** Clear or opaque liquid with ketone odor

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

**FLASH POINT:** < 0° F (-18° C) **METHOD USED:** Estimated **FLAMMABLE LIMITS - LEL:** 0.7% **UEL:** 15.0%  
**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:** Treat as cylinders of compressed gas. Closed containers may rupture due to pressure build up from extreme temperature.  
**FLAMMABILITY:** Yes - Flammable aerosol under conditions of sparks, flame, or hot surfaces.  
**SENSITIVITY TO IMPACT:** Do not puncture **SENSITIVITY TO STATIC DISCHARGE:** Primarily vapors

**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.  
**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 irritation and dermatitis.  
**EYE CONTACT:** Painful with slight to moderate irritation.  
**SKIN ABSORPTION:** Not likely to be absorbed in toxic amounts under normal use.  
**INGESTION:** Not likely in normal use but swallowing large amounts may be harmful.  
**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, 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 smoke while using this product. Dust from sanding the dry paint film should be treated as a nuisance dust with a TLV of 15 mg / cubic meter.

**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:** 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.



# 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.

The following material safety data sheet covers the hazardous ingredients associated with more than one color bulk paint. As per 29 CFR 1900. 1200 paragraph (g); whenever the hazards associated with similar mixtures are the same, then one MSDS may be prepared to cover several products.

**Product Name:** Bulk Engine Enamel

**SECTION I - MANUFACTURER IDENTIFICATION**

**MANUFACTURER'S NAME:** Aerove Industries Inc. **ADDRESS:** 1198 Mark Circle, Gardnerville, NV 89410  
**INFORMATION PHONE:** 775-782-0100 **EMERGENCY PHONE:** 1-800-424-9300  
**DATE REVISED:** 06-11-03 **REASON REVISED:** Updated

**SECTION II - HAZARDOUS INGREDIENTS / SARA III INFORMATION**

- |                     |                   |                      |
|---------------------|-------------------|----------------------|
| 510 Universal Clear | 562 G.M. Blue     | 580 Cummins Beige    |
| 513 Satin Black     | 568 Chrysler Blue | 582 Cast Iron Gray   |
| 530 Cadillac Gold   | 575 Dull Aluminum | 583 Steel Blast Gray |
| 561 Chevrolet Blue  |                   |                      |

**OCCUPATIONAL EXPOSURE LIMITS**

HAZARDOUS COMPONENTS	WEIGHT PERCENT	OSHA PEL	ACGIH TLV	ACGIH STEL	LD50 SPECIES & ROUTE	LC50 SPECIES & ROUTE
*Xylene (CAS 1330-20-7)	20 - 50	100 ppm	100 ppm		4300 mg / kg (Rat-Oral)	6700 ppm / 4 hr (Rat-Inha)
Methyl Propyl Ketone (CAS 107 87 9)	3 - 8	200 ppm	200 ppm	250 ppm	N / AV	N / AV
*n-Butanol (CAS 71-36-3)	1 - 5	100 ppm	20 ppm		2500 mg / kg (Rat-Oral)	8000 ppm / 4 hr (Rat-Inha)
n-Butyl Acetate (CAS 123-86-4)	1 - 5	150 ppm	150 ppm	200 ppm	N / AV	N / AV
Aliphatic Hydrocarbon (CAS 8052-41-3)	0.5 - 5.0	500 ppm	100 ppm		N / AV	N / AV

The colors listed below contain Acetone in addition to the hazardous ingredients listed above.

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|----------------------|------------------|----------------------|
| 511 Universal White  | 540 Alpine Green | 560 Ford Blue        |
| 512 Flat Black       | 550 Ford Red     | 566 Ford-Merc. Blue  |
| 514 Gloss Black      | 551 Ford Gray    | 570 Universal Silver |
| 520 Chevrolet Orange |                  |                      |

Acetone (CAS 67-64-1)	2 - 16	1000 ppm	500 ppm		5800 mg / kg (Rat-Oral)	21000 ppm / 8 hr (Rat-Inha)
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\*Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

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

**SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS**

**BOILING POINT:** 133° F (56° C) **SPECIFIC GRAVITY (H2O=1):** 0.9 to 1.1  
**VAPOR DENSITY:** Heavier than air **SOLUBILITY IN WATER:** Negligible  
**EVAPORATION RATE:** Faster than n-Butyl Acetate **APPEARANCE AND ODOR:** Clear or opaque liquid with ketone odor

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

**FLASH POINT:** 35° F (-2° C) **METHOD USED:** PMCC **FLAMMABLE LIMITS - LEL:** 0.7% **UEL:** 15.0%  
**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 temperature.  
**FLAMMABILITY:** Yes - Flammable liquid under conditions of sparks, flame, or hot surfaces.  
**SENSITIVITY TO IMPACT:** Do not puncture **SENSITIVITY TO STATIC DISCHARGE:** Primarily vapors

**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.  
**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 irritation and dermatitis.  
**EYE CONTACT:** Painful with slight to moderate irritation.  
**SKIN ABSORPTION:** Not likely to be absorbed in toxic amounts under normal use.  
**INGESTION:** Not likely in normal use but swallowing large amounts may be harmful.  
**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, 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 smoke while using this product. Dust from sanding the dry paint film should be treated as a nuisance dust with a TLV of 15 mg / cubic meter.

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

**SECTION IX - DISCLAIMER**

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