

AERVOE INDUSTRIES

ToolMates[®]

**LOW VOC
BRAKE & PARTS
CLEANER
591**

- **Low VOC <10%**
- **Non-corrosive Solvent**
- **Non-Chlorinated**
- **Fast Evaporating**
- **Leaves No Residue**
- **High Delivery Spray**

The Professional's Choice

DANGER

EXTREMELY FLAMMABLE
CONTENTS UNDER PRESSURE • VAPORS HARMFUL
HARMFUL OR FATAL IF SWALLOWED
(Read caution details on back panel before using)

Net Wt. 14 Oz. (397 g)

Product Data Sheet

No. **3591** - 12/18

LOW VOC BRAKE & PARTS CLEANER

<10% Aerosol & Bulk

PRODUCT NUMBERS: 591 14 OZ. NET WT. AEROSOL

Product number plus letter designation is as follows:
G = 1 one gallon can; F = 1 five-gallon pail; D = 50-gallon drum

I. GENERAL DESCRIPTION

Description: Low VOC Brake & Parts Cleaner is formulated to conform to stringent California VOC requirements for CARB and SCAQMD. It features industrial grade performance with a high-delivery jet action spray to quickly dissolve brake fluid, dust, and oil from brake drums, linings, pads and other and related equipment.

Benefits: Improves brake performance and stops brake squealing by reducing brake dust and grease. High-delivery spray penetrates into inaccessible areas, cracks and crevices. Cleaner dries fast and leaves no residue behind. Non-chlorinated and non-corrosive.

Application: Cleans all types of brake pads, drums, disks, calipers and related equipment found on industrial, commercial and utility vehicles. Excellent choice for normal, general purpose automotive brake cleaning. Can also be used to clean tools, clutches, bearings, u-joints, chains and other equipment.

Directions: Do not spray directly on painted surfaces, leather, vinyl or other delicate surfaces, protect from overspray. Safe on most automotive plastics and rubber. Align sprayhead with black mark on valve rim to ensure complete evacuation of contents. For bulk, do not thin and apply with cloth or sprayer as desired. Spray parts liberally from a distance of 8-12 inches for best results. Use the included extension tube to reach inaccessible areas or for more precise application. Air dry or use wipe clean as needed. Protect rubber parts and painted surfaces from excessive overspray.

Limitations: Please refer to the Safety Data Sheet for specific information on material hazards, etc. Always use in a well ventilated area and avoid direct breathing of fumes. Product is extremely flammable; never use around open flame, spark and ignition sources. Never use on energized equipment or open electrical connections.

Packaging:

Aerosol:	Cans (20 oz.)	14 oz net wt. (397 g)	17.7 fl. oz. (523 ml)
	Case (12/case):	16 lbs. (7.3 kg)	0.55 CF (0.016 CM)
Bulk:	1 case of 2 gallons (mt. F)	16 lbs. (7.25 kg)	1.0 CF (0.028 CM)
	5-gallon pail (mt. rd.)	37 lbs. (16.8 kg)	1.2 CF (0.034 CM)
	50-gallon drum (mt. rd.)	393 lbs. (178.3 kg)	8.5 CF (0.24 CM)



II. CHARACTERISTICS & PROPERTIES (Average for all colors)

Specifications:

Meets CARB and SCAQMD VOC limitations for consumer products automotive brake cleaner category. Meets and exceeds EPA, OTC and LADCO VOC limitations.

Appearance:

Clear, non-foaming

Color:

Colorless, transparent

Odor:

Mild

Dry Schedule:

< 1 minutes

Performance and Chemical Properties:

	Aerosol	Bulk
Weight per gallon	6.6 lbs/gal (concentrate).....	6.6 lbs/gal
Specific gravity	0.79	0.79
Viscosity in centipoise	Not applicable.....	<1
Flammability: Label marking	Extremely Flammable.....	Extremely Flammable
Flash point.....	-4°F (-20°C).....	-4°F (-20°C)
Active ingredients by weight.....	90%	100%
Volatile Organic Compound level.....	<10%	<10%
Operating temperature range.....	40° to 90°F (4° to 32°C)	40° to 90°F (4° to 32°C)
Boiling point @ 760mm Hg	Not applicable.....	Not available
Evaporation rate (Butyl Acetate = 1)	Not available.....	Not available
KB value.....	Not available.....	Not available
Dielectric strength	Not available.....	Not available
Surface tension	Low	Low
Food contact rating	Not applicable.....	Not available

Base Materials:

Solvents Petroleum Naphtha, Acetone ... Acetone, Petroleum Naphtha
 Propellant system: Carbon Dioxide..... Not applicable

III. SHIPPING, STORAGE AND HEALTH

	Aerosol	Non-Aerosol
UN number.....	UN1950.....	UN1993
Proper Shipping Description	Aerosols	Flammable liquid, N.O.S. (Acetone, Petroleum Distillates)
Hazard Class.....	2.1	3
Packing Group	N/A	II
Limited Quantity	Yes	Container size determines applicability
Warehouse storage level number	NFPA 30B Level 1	Flammable liquid class 1-B
Storage temperature	32° to 120°F (0° to 49°C)	32° to 120°F (0° to 49°C)
Shelf life	1 to 5 years	1 to 5 years
HMIS ratings		
Health.....	1	2
Fire	4	3
Reactivity.....	1	1

IV. MISCELLANEOUS

Contains no Ozone Depleting Substances (O.D.S.)

V. WARRANTY

1-year warranty to the original registered owner on all products from date of purchase. User returns, exchanges and defective refunds must be made with the original place of purchase. Because Aervoe cannot control Buyer's handling or use of product, Aervoe makes no warranty expressed or implied when not used or stored in accordance with directions. Aervoe shall not be liable for cost of labor, incidental or consequential damages, and this warranty is limited to replacement or repair of product or credit of purchase.