

Product Data Sheet

No. 3415 - 04/23

OFF-LINE CONTACT CLEANER HD

AEROSOL AND BULK LIQUID

PRODUCT NUMBERS: 415 - 15 OZ. NET WT. AEROSOL

Product number plus letter designation is as follows:

G = 2 one-gallon cans; F = 1 five-gallon pail; D = 50 gallon drum

I. GENERAL DESCRIPTION

Description: Off-Line Contact Cleaner HD is a high delivery, fast penetrating, fast evaporating, non-chlorinated aerosol cleaner that works on most surfaces without leaving a residue. Safe for use on metal, rubber, glass and matt plastic surfaces. Contact Cleaner is effective in removing oil, grease, wax, dirt, and moisture. For industrial use in manufacturing facilities. Not for retail sale.

Benefits: Use this highly refined cleaner on high-tech electronic hardware PCBs and PWBs. With the extension tube attached, you may access hard to reach crevices and apply high pressure. A unique wetting action cleans the finest instruments, contacts, relays, precision mechanical/electrical solenoids and other delicate hardware. An excellent water or moisture displacer.

Application: May be used on the production line and in service maintenance where the highest purity is required from an industrial cleaner degreaser. Safe for use on electrical components, connectors, contacts, magnetic tape heads, semiconductor assemblies, office equipment, printer circuits, computer components, relays and controls, telephone equipment typewriters, and TV tuners.

Directions: Aerosol: Simple to use, spray on and let dry. No rinsing or wiping needed, dries in less than 2 minutes. Test a small area to assure compatibility on painted surfaces, specialty rubber, plastics, and laminates. Product should be sprayed from a distance of 4 to 6 inches from surface at temperatures between 50° and 90°F (10° to 32°C). Bulk: Apply with a clean sprayer, cloth, or by dipping. Do not use on electrical equipment or machinery while in operation. Wait 5-10 minutes to allow solvents to evaporate before energizing equipment.

Limitations: Please refer to the Safety Data Sheet for specific information on material hazards, etc. At temperatures below 40°F (4°C), aerosol propellant pressure is diminished. **Contact Cleaner is flammable, so it should not be used on energized equipment.**

Packaging:

Aerosol:	Cans (211x713) 12 cans/case	15 oz. net wt. (425 grams) 17 lbs. (7.7 kg)	20.0 fl. oz. (592 ml) 0.55 CF (0.016 CM)
Bulk:	2 gallons/case 5-gallon pail 50-gallon drum	14 lbs. (6.3 kg) 38 lbs. (17.3 kg) 375 lbs. (170.5 kg)	0.50 CF (0.014 CM) 1.2 CF (0.034 CM) 8.5 CF (0.24 CM)



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II. CHARACTERISTICS & PROPERTIES

Specifications:

None

Appearance:

Thin, non-foaming

Color:

Colorless, transparent

Odor:

Mild alcohol

Dry Schedule:

Not applicable

Performance and Chemical Properties:

	Aerosol	Bulk
Weight per gallon	5.9 lbs.....	5.7 lbs.
Specific gravity	0.7	0.7
Viscosity in centipoise	N/A.....	<1cPs
Flammability: Label marking	Extremely Flammable.....	Extremely Flammable
Flash point.....	<0° F (-18° C).....	<0° F (-18° C)
Active ingredients by weight.....	95%	100%
Volatile Organic Compound level	95%	695 gm/l (100%)
Operating temperature range.....	50° to 90° F (10° to 32° C)	50° to 90° F (10° to 32° C)
Boiling point @ 760mm Hg	150° F (66° C)	150° F (66° C)
Evaporation rate (Butyl Acetate = 1)	8.1	8.1
KB value	31	31
Dielectric strength	N/A.....	N/A
Surface tension	Low.....	Low
Food contact rating	N/A.....	N/A

Base Materials

Solvents (top two)	Hexane, Isopropanol	Hexane, Isopropanol
Propellant system.....	Carbon Dioxide.....	N/A

III. SHIPPING, STORAGE AND HEALTH

	Aerosol	Bulk
UN number.....	UN1950.....	UN1993
Proper Shipping Description	Aerosols.....	Flammable Liquid, N.O.S. (Hexanes, Isopropanol)
Hazard Class.....	2.1.....	3
Packing Group	N/A.....	II
Limited Quantity	Yes.....	Container Size Determines Applicability
Warehouse storage level number	NFPA 30B Level 3.....	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 3 years.....	3 to 5 years
HMIS ratings		
Health	2	2
Fire	4	3
Reactivity.....	1	0

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.