

VpCI[®]-415, Qualified to MIL-PRF-87937D Type IV AFPET/PTPT 09-004



PRODUCT DESCRIPTION

VpCI[®]-415 is a MIL-PRF-87937D Type IV Qualified heavy-duty, biodegradable cleaner/degreaser. In addition, VpCI[®]-415 provides up to six months of corrosion protection for a variety of metals during indoor storage. VpCI[®]-415 is the perfect choice for the customer requiring a multi-purpose, multi-surface, MIL-SPEC qualified, heavy-duty cleaner; and is also concerned with environmental compliance and worker safety.

FEATURES

- Exceptional pitting corrosion resistance
- Excellent cleaning action at low temperatures
- Exhibits hard water tolerance
- Remains stable during freeze/thaw cycles
- Effective with pressure washers, foamers, dipping tanks, steam cleaners, or in mopping applications

ENVIRONMENTAL ATTRIBUTES

- Readily biodegradable (according to shake flask biodegradation test method)
- Non-toxic (according to: EPA 600/4-90/027)
- Non-corrosive (according to: MIL-PRF-87937D)
- Will not inhibit pollution abatement systems
- No VOC's
- No Hazardous Air Pollutants (HAPS)
- No Ozone Depleting Substances (ODS)
- Non-flammable, Non-combustible
- No Carcinogens
- No Ketones
- Contains no nonylphenoethoxylates

ENVIRONMENTAL ATTRIBUTES

- TO 1-1-691
- TO 36-1-191
- TO 1-1-689-3
- TO 1-1-689-5
- TO 35-1-3
- TM 1-1500-344-23
- TO-23's or equivalent
- Conforms to Boeing D6-17487 Rev P

VpCI[®]-415 DILUTION RATIO CHART

	Volume VpCI [®] -415 (US) per gallon water	Volume VpCI [®] -415 (Metric) per liter water	Dosage (%)
Light Cleaning	6.4 ounces (~3/4 cup)	50ml	5
Medium Cleaning	12.8 ounces (~1.5 cups)	100ml	10
Heavy Cleaning	25.6 ounces (~3 cups)	200ml	20

PROPERTIES

Appearance	Light yellow liquid
pH	8.0-8.7 (Neat)
Density	8.3-8.4 lb/gal (0.99-1.01 kg/l)
Non-volatile Content	14-16%
BOD/COD	>0.6

PACKAGING

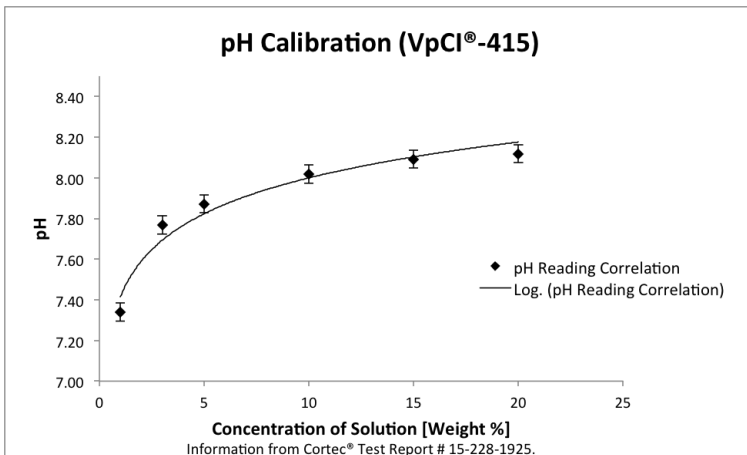
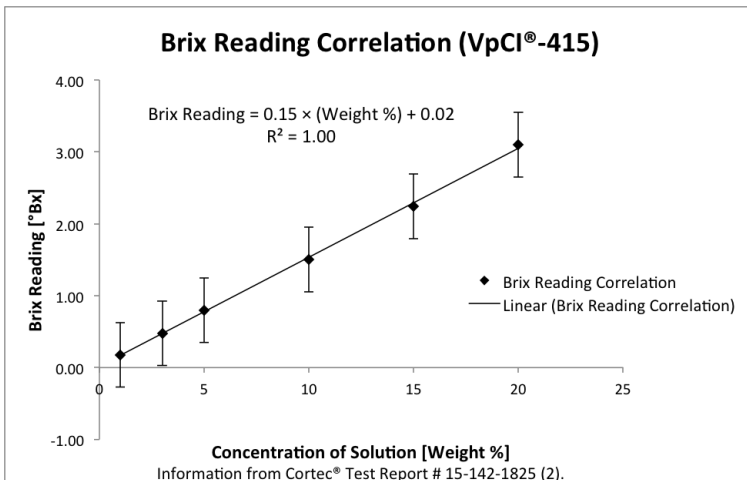
VpCI®-415 is available in 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes, and bulk. VpCI®-415 has a shelf life of 24 months.

For more information or to schedule an on-site demonstration, please contact Cortec's Military Specialists, or your local Cortec® Representative.

STANDARD TEST METHOD

MIL-PRF-87937, Type IV	Cleaning Compound Aerospace Equipment
ASTM G-31	Immersion Corrosion Test
ASTM D4627	Cast iron Chip
40 CFR 796.3100	Aerobic Aquatic Biodegradation
Boeing D6-17487 Revision P	Exterior and General Cleaners and Liquid Waxes, Polishes and Cleaning Compounds

FOR INDUSTRIAL USE ONLY
KEEP OUT OF REACH OF CHILDREN
KEEP CONTAINER TIGHTLY CLOSED
NOT FOR INTERNAL CONSUMPTION
CONSULT SAFETY DATA SHEET FOR MORE INFORMATION



Please note the solutions used above were created using deionized water. Slight differences in water chemistry (dissolved solids, hardness, etc.) may lead to differences in readings. Please use these numbers as reference only; Contact Cortec® Laboratories with any questions.

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