



SPECIALTY CHEMICALS / AQUEOUS METAL CLEANER

AmberClean™ L12



AmberClean L12 is a multipurpose, biodegradable cleaner that does not contain volatile organic compounds or ozone depleting substances. AmberClean L12's unique water-based formulation is founded on new cleaning technology and, as such, possesses a degree of environmental and personal safety that exceeds typical cleaners for similar applications. AmberClean L12's powerful surface active agents cut through and remove combinations of grease, oil, dirt, waxes, cutting fluids, lubricants and other organic contaminants from metal surfaces. Saint-Gobain's proven corrosion inhibition technology protects metal surfaces during cleaning processes without the use of silicates. AmberClean L12 is well suited for immersion or hand-wipe applications and may be used with ultrasonic tanks, re-circulation pumps or other similar equipment.

TYPICAL PHYSICAL PROPERTIES

Appearance	Clear, amber liquid
Specific gravity, 20°C	1.01
Lbs/gallon	8.42
pH (concentrate)	8.40
Volatile organic compounds	0 g/l
Flash point	None
Theoretical oxygen demand (TOD)	0.50

RECOMMENDED PROCESS PARAMETERS

AmberClean L12 should be diluted with soft or deionized water to a concentration of 5.0% - 25.0% and used at a temperature of ambient to 95°F. A deionized water rinse is recommended following processing with AmberClean L12. In applications replacing solvent or vapor degreasing, AmberClean L21, a non-silicated aqueous cleaner, should follow the rinse step in lieu of traditional alkaline cleaners.

AVAILABLE PACKAGING

Bulk, 55 gallon drums, 5 gallon pails, 1 gallon containers

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FEATURES AND BENEFITS

- Designed to prevent corrosion on ferrous and nonferrous substrates including aluminum
- Does not contain chlorine, sulfur, phenols, nitrites, diethanolamine, silicone, silicates glycol ethers or hazardous solvents (no VOCs)
- Will not leave films or residues
- Cleans grease, oil and dirt combinations effectively
- Unique water-based formulation rinses easily and is low foaming
- Will not remove alodine
- May be ultra filtered for extended tank life

SURFACE CONDITIONING

