



Bromothane™ S Specialty Degreasing Fluid

- Fast, consistent cleaning on the toughest of soils
- Nonflammable, fast drying, no residues, low energy costs
- An excellent replacement for chlorinated solvents

Introduction

Bromothane S from MicroCare™ is a noteworthy innovation in the world of metal finishing and precision cleaning. This cleaner is a powerful replacement for almost all chlorinated solvents and may be useful as a replacement for ozone-depleting solvents as well. It delivers speedy and consistent cleaning as an economical, nonflammable precision cleaner.

Technical Summary

Bromothane S is stabilized normal propyl bromide (nPB) produced in the USA. This cleaner is ideally suited for use in a vapor degreaser. *Bromothane S* replaces chlorinated solvents such as TCE and perc. A highly active solvent with a Kauri-Butanol (Kb) rating of 125, it removes organic, ionic and particulate contamination including fingerprints, fluxes, lubricating oils, cutting oils, adhesives, resins, greases, waxes and buffing compounds.

In terms of materials, it is safe on most components, substrates, ceramics, metals, glass, and durable plastics such as Nylon®, butyl rubber and fiberglass. HDPE and Viton® show excellent compatibility with the solvent, but acrylics are degraded. Compatibility testing is recommended.

Bromothane S is stable and does not degrade during storage. It should be stored in a clean, dry area and protected from temperature extremes. In use, it is necessary to check the acidity (technically, the "acid acceptance") of the solvent on a regular basis, especially when cleaning reactive metals.

Bromothane S is safe in engineered systems when using the recommended procedures. Uniquely, MicroCare requires an annual personal air monitoring program.

Technical Details	
Chemical Family	n-Propyl Bromide (nPB)
Appearance	Clear to Pale Yellow Liquid
Solvency & Cleaning Data	
Boiling Point, °C (°F)	71 (160)
Specific Gravity @ 25°C	1.322
Kauri Butanol Value (Kb)	125
Viscosity (cps) @ 25°C	0.49
Surface Tension (dyn/cm @ 25°C)	25.9
Vapor Pressure (mm Hg)	111.0
Vapor Density (Air = 1)	4.25
Evaporation Rate (TCA= 1)	0.96
Percent Volatile	100%
Heat of Vaporization (cal/g @ Boiling Point)	58.8
Specific Heat @ 25°C	0.27
Solubility in Water	0.1%
Solubility of Water in Solvent	1.0%
Health, Safety & Environmental Data	
Flashpoint (TCC) / Rating	None/ Nonflammable
Ozone-Depletion Potential	0.0006
Non-Exempt Organic Content (g/L)	1,322
Global Warming Potential (GWP)	0.31
Atmospheric Life Time (Days)	16
NFPA	Health: 2 Fire: 1 Reactivity: 0
NESHAP or RCRA Regulated	No
RoHS and WEEE Compliant	Yes
TSCA Listed	Yes
SNAP Approved	Yes

Material Compatibility (Partial Listing): Related Products



Compatible	
Polyethylene	Acetal Polyester
Butyl Rubber	Fiberglass
PET	Nylon®
HDPE	Viton®
PTFE	Metals
Glass	Ceramics
Incompatible	
Polystyrene	Polycarbonate
Polypropylene	Polyurethane
PVC	ABS
Polyphenylene Oxide	Acrylics
Buna N	Buna S
CPVC	Polysulfone

BromoTest™ Acid Acceptance Kit — Depending upon the quantity of water and/or metal particulate introduced into the system, it is possible for the stabilizer to be consumed. A quick, simple test with this kit measures the stabilizer concentration.

BromoBooster™ — This is a stabilizer booster. If there is a low level of stabilizer, *BromoBooster* is used to restore the stabilizer ratio, extending the solvent life.

Exposure Badges — *Bromothane* users are required to perform a simple workplace exposure test annually. This simple kit makes it easy and fast.

Packaging and Availability

Part Number	Package	Weight	Size
M2S-BN2P	Steel Pail 	50 lb (22.68 kg)	5 Gal (18.93 L)
M2S-BN2D	Steel Drum 	573 lb (259.91 kg)	55 Gal (208.2 L)

Note: Products sold by weight, not volume.

Bromothane S now features a newly formulated stabilizer that improves product performance. Because of this change, the weights and part numbers have been adjusted but the product's performance is otherwise unchanged. The shelf life for these part numbers is unlimited.



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