



Bromothane™ R Flux Remover

- Powerful cleaner for fluxes, pastes
- Fast drying, no rinsing
- Operates at higher temperatures
- Faster, simpler than water cleaning

Introduction

Bromothane R is a powerful, nonflammable solvent designed for customers needing to remove both organic and ionic contamination as well as insoluble particulate. This cleaner is an excellent replacement for most ozone-depleting and chlorinated solvents.

Technical Summary

Bromothane R contains stabilized normal propyl bromide (nPB) and 7.5% isopropanol, produced in the USA. This powerful, fast-drying cleaner is ideally suited for use in a vapor degreaser. *Bromothane R* replaces TCE and perc. A highly active solvent with a Kauri-Butanol (Kb) rating over 100, it removes organic, ionic and particulate contamination including fingerprints, fluxes, lubricating oils, cutting oils, adhesives, resins and even heavy greases. It is an excellent choice for conformal coatings, waxes and buffing compounds.

Converting from competitive products to *Bromothane R* is easy, since customers can enjoy the benefits of *Bromothane* technical service, support, quality and domestic supplies without the hassles of a complex requalification test.

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 R 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 R is restricted to use in engineered systems. MicroCare™ requires an annual personal air monitoring program to ensure worker safety and compliance with recommended procedures.

Technical Details	
Chemical Family	n-Propyl Bromide (nPB)
Appearance	Clear to Pale Yellow Liquid
Solvency & Cleaning Data	
Boiling Point, °C (°F)	68 (154)
Specific Gravity @ 25°C	1.25
Kauri Butanol Value (Kb)	>100
Viscosity (cps) @ 25°C	0.49
Surface Tension (dyn/cm @ 25°C)	25.9
Vapor Pressure (mm Hg @ 20°C)	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
Organic Content (g/L)	1,250
Global Warming Potential (GWP)	0.3
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-BR2P	Steel Pail 	45 lb (20.41 kg)	5 Gal (18.93 L)
M2S-BR2D	Steel Drum 	500 lb (226.8 kg)	55 Gal (208.2 L)

Note: Products sold by weight, not volume.

Bromothane R 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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