



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):

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

Related Products

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.

DISCLAIMER: MicroCare publishes this information from sources believed to be accurate. This data is intended for persons having the technical skills to evaluate and use the data properly. MicroCare does not guarantee the accuracy of the data and assumes no liability in connection with damages incurred using it. MicroCare's liability is limited to the replacement of this product. Specifications are subject to change without notice.



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Follow Us!

MicroCare, LLC

595 John Downey Drive
New Britain, CT 06051 USA
CAGE: OATV9
Tel: +1 860 827 0626
Toll Free: 1 800 638 0125
Email: TechSupport@MicroCare.com

MicroCare U.K. Ltd

Unit 4, Whitehall Court
Leeds
LS12 5SN UK
Tel: +44 (0) 113 3609019
Email: MCCEurope@MicroCare.com

MicroCare Asia Pte Ltd

102E, Pasir Panjang Road
Citilink, #05-06
Singapore 118529
Tel: +65 6271 0182
Email: TechSupport@MicroCare.sg



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and to download
SDS or TDS,
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MicroCare.com