



Technical Data Sheet



GlobalTech® AquaSonic® Aqueous Cleaner for Surface Mount Applications - Concentrate

Product Description

AquaSonic Aqueous Cleaner for Surface Mount Applications (SMA) is a proven, aqueous cleaning product for removing solder paste and/or SMD adhesives from stencils and misprinted circuit board assemblies. SMA is a concentrated mixture of water-dilutable solvents and specialty surfactants that have been specially formulated to be diluted, low foaming, and free rinsing. It is also effective in removing water soluble, rosin, no clean and lead-free solder flux residues. Contains no monoethanolamine (MEA), halogens or heavy metals.

Feature

Compatibility with many substrates	Neutral pH
Improves operator safety - low toxicity	Non-flammable
Low foaming - no defoamers required	Readily biodegradable
Low Vocs	Removes ionics

Applications

SMA is an ideal cleaning agent for electronics manufacturers who want to clean adhesives and pastes in one cleaning process or replace flammable/combustible solvents or alkaline-based cleaners.

Method of Use - Ultrasonic Cleaning

Stencil / Misprint Cleaning...use at a 5-15% concentration diluted in water; temperatures ranging from 100-130°F / 38-54°C; 3-10 minute cleaning cycle dwell time; rinse using water at 100-120°F / 38-49°C; dry using heated forced air

Defluxing...use at a 5-25% concentration diluted in water; temperatures ranging from 110-130°F / 43-54°C; 2-10 minute cleaning cycle dwell time; rinse using water at 100-120°F / 38-49°C; dry using heated forced air

Ingredients

1-(2-Butoxy-1-methylethoxy)-2-propanol, Poloxalene

Physical & Chemical Properties

Autoignition Temperature	ND
Appearance	Clear Liquid
Boiling Point	ND
Decomposition Temperature	ND
Evaporation Rate (BAUC=1)	ND
Flammability (solid, gas)	ND
Flammability limits (% by volume in air)	ND
Flash Point	>222°F / >105.56°C
Melting/Freezing Point	ND
Odor	Mild
Partition Coefficient: n-octanol/water	ND
pH	NA
Relative Density @ 25°C	0.99
Relative Vapor Density (Air=1)	Heavier Than Air

Physical & Chemical Properties continued

Solubility In Water	Soluble
Vapor Pressure	ND
Viscosity	ND
VOC Content (g/L) (10%)	<40

Hazard Data

This product is not considered hazardous.

Environmental

Global Warming Potential (GWP)	Zero
Hazardous Air Pollutant (HAP)	No
Nat'l Emission Standards for Hazardous Air Pollutants (NESHAPs)	Not Regulated
Ozone Depletion Potential (ODP)	Zero
Resource Conservation and Recovery Act (RCRA)	Not Regulated
Significant New Alternatives Program (SNAP)	Approved
Superfund Amendments and Reauthorization Act (SARA)	Not Regulated

Material Compatibility

Excellent compatibility with many substrates and materials used in electronic assembly cleaning applications. It is safe on common metal alloys including aluminum during short exposure times. Also compatible with composite materials.

Waste Disposal

For disposal methods, consult a licensed waste management firm or the appropriate local, state and federal agencies in your area.

Storage & Shelf Life

SMA has a 12 month shelf life from date of shipment. Store at room temperature.

Ordering Information

Drums	DR55SMA
Weight	480 lbs
Dimensions	24" x 36"

Availability

Products are available through global sales and a nationwide network of distributors.

Environmental Policy

As a leading manufacturer and supplier of SMT production supplies; JNJ is committed to providing high quality products and services in a manner that does not impact upon, but enhances the environment.

The data supplied in this document is for guidance only and is not intended to serve as a specification or recommendation. JNJ Industries does not guarantee the accuracy of the information and does not assume liability in connection with any damages that may be incurred while using the product and reserves the right to change the above data without notice.

For more information refer to the corresponding Safety Data Sheet.

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