



A Walker Industries Company

# Technical Data Sheet

## 853-NB RESIN CLEANER

### Product Description

**853-NB Resin Cleaner** is a highly effective emulsion cleaner used to remove a broad spectrum of industrial soils including petroleum-based oils and greases as well as inks, uncured paints and lacquers, and silica (dirt) deposits. Typical applications for **853-NB Resin Cleaner** include general maintenance tasks, parts washers, cleaning shop floors, machine tools and production soil removal using heated turbulator tanks, foam guns, pressure washers and hand wipe-down. After cleaning and with only moderate rinsing, polished surfaces will generally be free of both waterbreaks and hazy detergent films.

### Physical Properties

Appearance	Blue liquid, slight glycol ether odor.
Density (@78°F)	8.69 - 8.77 lbs/US Gal
pH (@78°F)	11.50 - 12.50
Refractive Index (@78°F)	23.0 - 23.4 %

### Features and Benefits

- Non-flammable for ease of handling  
**853-NB Resin Cleaner** is as effective at ambient temperatures as most products are when they are heated. Because it is a water-base emulsion without the flammability hazards of conventional solvent-base cleaners, **853-NB Resin Cleaner** can be safely heated to increase its performance even more. Economical to use - concentrated and recyclable to last longer.
- Economical to use - concentrated and recyclable to last longer.  
**853-NB** is highly concentrated - dilute one volume with up to 10 volumes of water for use. And to add to its economy, when properly filtered, **853-NB** can be reused up to three times.
- Tools come clean - with no sticky residues  
The dissolving action of acetone or methylene chloride frequently leaves behind sticky surfaces. **853-NB** works to settle out most of the residues to leave your tools clean and tack-free.
- Water-base formulation more environmentally sound than conventional solvents  
**853-NB** contains no ozone-depleting chemicals and does not qualify as a hazardous waste under current RCRA regulations. Dispose of wastes and spills, in conjunction with federal, state and local laws governing non-hazardous materials.



A Walker Industries Company

# Technical Data Sheet

---

## Features and Benefits

---

- Provides excellent performance over broad range of water hardness  
**853-NB** controls hardwater ions which could otherwise interfere in the suspension and settling of resins.
- Uses 3-way chemical action to prevent resins adhering to surfaces  
**853-NB** breaks up uncured resins and temporarily prevents the cross-linking of uncured resin molecules, then slows the action of catalysts so resins can be removed before they cure on unwanted surfaces. The chemistry of **853-NB** helps make your job easier.

---

## Application

---

### CLEANING TOOLS AND EQUIPMENT (rollers, brushes, etc.)

Mix one volume **853-NB Resin Cleaner** with 10 volumes water. Although hot water is not required - **853-NB Resin Cleaner** works as well cold as most products work when heated - it cleans even more effectively at temperatures of 104° - 107°F. Simply immerse your fixed brushes and metal and plastic rollers in the cleaning solution. Either manual agitation or automated brush and tool cleaning equipment can then be used to loosen residues from tool surfaces. With some resins and with more advanced gel states, more vigorous agitation may be necessary. After cleaning, rinse tools in clean water to remove residual **853-NB Resin Cleaner** and clinging sediments. Use compressed air to remove the rinse water then complete the drying process on a drying rack or with water-absorbing solvent.

### GUN FLUSHING

**853-NB Resin Cleaner** has been tested with great success by Venus-Gusmer, a leading manufacturer of resin application systems. Best results are achieved using one volume **853-NB Resin Cleaner** diluted with five volumes water. Flush guns with the solution, introducing air into the line while flushing if possible. Rinse with water if the gun is to be out of service for more than eight hours. Be sure to purge any residual water from the tip of the gun before spraying resin and chop on a part.

---

## Waste Disposal

---

After hardening and air-drying, the separated resins need to be disposed in accordance with local regulations. Those resins that remain in a pasty state can be mixed with catalyzed resin and hardened for disposal or subsequent use.

Commercial evaporators can be used to economically dispose of 50 to 1000 gallons per day of spent liquid cleaning solution. Contact air quality regulators for the necessary permits.

In some instances, the spent **853-NB** solution can be discarded in the sanitary sewer system. Before discharging spent solution into the sanitary sewer, local authorities must be contacted for approval.

---

## Additional Notes

---

Before using this product, please read the Safety Data Sheet Number for **853-NB Resin Cleaner** and follow the recommended safety instructions.



*A Walker Industries Company*

# Technical Data Sheet

---

## Disclaimer

Products and information are intended for use by persons having skill and knowledge in the industry at their own discretion and risk. Product Bulletins are intended to provide general information on Walker Emulsions products and should not be construed as guaranteeing specific properties of the product described or suitability for a particular application. Users cannot anticipate all conditions under which our products, or the products of other manufacturers are combined, stored or may be used. Users are advised to make their own tests to determine suitability. Unless otherwise agreed to in writing, Walker Emulsions products are sold without warranty, and buyers and users assume all responsibility and liability for loss or damage arising from the handling and use of our products, whether used alone or in combination with other products.