

# 403A



## SUPER COLD™ 134 Freeze Spray

The 403A Super Cold 134A is a cooling spray for electronics. It quickly chills circuits to -50 °C. It is made is 100% HFC-134a, which is non-flammable, non-conductive, moisture free, and zero residue.

This freeze spray is an electronic component cooler for troubleshooting problem components on PCBs, motherboards, and other electronic devices. It can also be used to protect heat sensitive components during soldering and desoldering, quickly cooling solder joints, and locating hairline cracks in traces. It can be used for low temperature testing of instruments and electromechanical devices, and it can also be used to freeze gum and adhesives for easy removal.

## Features & Benefits

Quickly cools electronic components to -51 C (-60F)

Safe for use on energized circuits

Non-flammable & non-conductive

Moisture free & Zero residue

VOC exempt & Ozone safe

## Storage and Handling

Store between -20 and 27 °C in a dry area, away from sunlight. Store in well-ventilated places (see SDS).

## Properties

|                                      |                    |
|--------------------------------------|--------------------|
| Color                                | Colorless          |
| Odor                                 | Slight, ether-like |
| Density of Liquid @ 25 °C            | 1.2 g/mL           |
| Boiling Point                        | -26.2 °C           |
| Flash Point                          | None               |
| Ozone Depleting Potential            | 0.00               |
| GWP (100 y global warming potential) | 1 430              |
| VOC                                  | Exempt             |
| Shelf Life                           | 5 y                |



## Available Packaging

| Part #    | Packaging | Net Vol. | Net Wt. |
|-----------|-----------|----------|---------|
| 403A-285G | Aerosol   | 236 mL   | 285 g   |
| 403A-400G | Aerosol   | 332 mL   | 400 g   |

## Application Instructions

Read the product SDS for more detailed instructions before using this product.

To remove safety tab:

1. Firmly hold the head of the nozzle and trigger in place.
2. Pull tab forward on top of nozzle until it snaps off.

To check for intermittent faults:

1. Spray directly on component using bursts of spray.
2. Use extension tube to direct the spray in hard to reach corners.

**Disclaimer:** This information is believed to be accurate. It is intended for professional end-users who have the skills required to evaluate and use the data properly. M.G. Chemicals Ltd. does not guarantee the accuracy of the data and assumes no liability in connection with damages incurred while using it.

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