

3M™ Novec™ Contact Cleaner



3M™ Novec™ Contact Cleaner effectively removes light oils, greases, silicones, dust and particulates from sensitive electrical and electronic equipment. It is compatible with plastics, is non-flammable, non-ozone depleting and contains no HCFCs, HFCs, nPB or HAPs.

Product Description

Product Documentation

3M™ Novec™ Contact Cleaner effectively removes light oils, greases, silicones, dust and particulates from sensitive electrical equipment, including connectors, printed circuit boards, electro-mechanical devices, scales, contacts, relays, switches, instrumentation and circuit breakers. Novec Contact Cleaner is compatible with plastics and other materials of construction. Based on proprietary 3M solvent technology; it is non-flammable, non-ozone depleting and contains no HCFC's, HFC's, nPB or HAPs. Features include:

- Fast drying, low odor
- Excellent plastics compatibility
- Low toxicity
- Non-corrosive, non-conductive – ideal for electrical or energized components
- Non-flammable
- No rinsing and no residues
- Non-chlorinated
- Exempt from the U.S. EPA's volatile organic compound (VOC) regulations

» [Learn more about 3M™ Novec™ Aerosols](#)

Introduction

3M™ Novec™ Flux Remover uses advanced 3M solvent technology to remove rosin solder fluxes, waxes and similar contaminants found in electronics manufacturing and repair. It is also effective in removing hydrocarbon, silicone and fluorochemical oils and greases encountered in the maintenance of electronic devices such as electric motors, generators, precision devices and other electromechanical or sensitive equipment. Novec Flux Remover evaporates quickly, and leaves no residue. It is non-corrosive and compatible with most plastics, with the exception of acrylics, polycarbonates, ABS and PS.

Novec Flux Remover is based on a non-flammable, high performance proprietary hydrofluoroether formulation that is non-ozone depleting and does not contain any Hydrochlorofluorocarbons (HCFCs), Hydrofluorocarbons (HFCs), Hazardous Air Pollutants (HAPs) or n-propyl bromide (nPB). This results in an affordable, industrial-strength flux remover, providing a wide margin of workplace safety and a favorable environmental profile.

Features

- Non-flammable
- Fast drying, very low residue
- Low odor
- Non-corrosive
- Non-ozone depleting (No HCFCs)
- Low toxicity (No nPB or HAPs)

Novec Flux Remover can be an effective substitute for many cleaners based on ozone depleting substances such as HCFC-141b, HCFC-225, or nPB. It also offers a greater margin of safety than many nPB-based cleaners or cleaners containing HAPs, such as perchloroethylene. Carbon dioxide is used as the propellant rather than a flammable hydrocarbon or an HFC greenhouse gas.

Environmental, Health and Safety Information

Properties	Novec Flux Remover	HCFC-141b	HCFC-225 ca	nPB	Perchloroethylene
Ozone Depletion Potential - ODP ¹	0.0	0.1	0.03	0.013-0.1	0.0
Global Warming Potential - GWP ²	41	700	180	Low	Low
Hazardous Air Pollutant ³	No	No	No	No	Yes
Exposure Guidelines (ppmV, TWA)	200	500	50	10	25
Margin of Safety ⁴ (MOS)	10	25	2.5	0.5	1.2

¹CFC-11 = 1.0

²GWP-100 year integration time horizon, CO₂ = 1.0

³As defined by the U.S. EPA in the Clean Air Act of 1990

⁴MOS in use = $\frac{\text{Exposure Guideline}}{\text{Assumed 20 ppmV 8hr TWA exposure}}$