



Novec™

Brand

3M™ Novec™ Flux Remover

Introduction

3M™ Novec™ Flux Remover uses advanced 3M solvent technology to remove a wide variety of solder fluxes used in electronics manufacturing and repair – including rosin-based and many no-clean fluxes. Novec Flux Remover evaporates quickly, and leaves no residue. This industrial-strength cleaner is non-corrosive and compatible with most plastics, with the exception of sensitive plastics such as acrylics, polycarbonates, ABS and PS.

Novec Flux Remover is non-flammable, non-ozone depleting, has low global warming potential and does not contain any hydrochlorofluorocarbons (HCFCs), hydrofluorocarbons (HFCs) or n-propyl bromide (nPB), nor contain hazardous air pollutant (HAP) components above 1%.

Plastics compatibility

Material	Compatibility	Material	Compatibility
ABS	Not Compatible	PMMA	Not Compatible
Nylon	Excellent	POM	Excellent
Polycarbonate	Not Compatible	PP	Excellent
HDPE	Excellent	PS	Not Compatible
CDPE	Excellent	PTFE	Excellent
C.E. Phenolic	Excellent	PVC	Excellent

Environmental, health and safety information

Not for specification purposes.

Property	3M™ Novec™ Flux Remover
Ozone Depletion Potential ¹ (ODP)	0.0
Global Warming Potential ² (GWP)	108
Hazardous Air Pollutant (HAP) Components ³	No HAPs above 0.1%
Exposure Guideline ⁴ (ppmV, 8 hour time weighted average)	398

¹ CFC-11 = 1.0

² Composite GWP based on wt% of component fluids using IPCC 4th Annual Report, GWP-100 year integration time horizon, CO₂ = 1.0

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

⁴ Composite exposure guideline based on wt% of component fluids, see SDS for details

Key features and benefits

- Non-corrosive
- Fast drying, no residue
- Low odor
- Non-flammable
- Non-ozone depleting
- Low toxicity
- Low global warming potential

Regulatory information

RoHS/WEEE Compliant	Yes
Meets CA VOC Limits	No
Meets OTC VOC Limits	Yes - Electronic Cleaner
NSN (National Stock Number)	6850-01-534-2943

Physical properties

Not for specification purposes.

Property	Value
Vapor Pressure (mmHg @20 C)	311
Surface Tension (dynes/cm ²)	21
Specific Gravity (g/mL)	1.35
Dielectric Strength (kV/0.1 inch gap)	>25

Safety and handling

3M™ Novec™ Flux Remover is classified as a non-flammable aerosol per the Globally Harmonized System of Classification and Labeling of Chemicals (GHS). When used as directed, in its intended applications, Novec flux remover has a wide margin of safety between anticipated exposures and the exposure guideline. Before using this product, be sure to read and follow all precautions and directions for use contained in the product label and Safety Data Sheet, which is available from your local 3M representative upon request. This product is for industrial use only. Not for consumer use or sale. Not for sale in California.

Storage and shelf life

The shelf life of 3M™ Novec™ Flux Remover is 5 years from the date of manufacture when stored at general warehouse storage conditions, less than 27°C (80°F).

Transportation classification

Ground: Consumer Commodity ORM-D

Air: Aerosols, Non-flammable, 2.2, UN1950

Resources

For more information on 3M Novec products or to contact a 3M representative, visit 3M.com/Novec.

Smart. Safe. Sustainable.

The 3M™ Novec™ Brand Family

The Novec brand is the hallmark for a variety of proprietary 3M products. Although each has its own unique formula and performance properties, all Novec products are designed in common to address the need for smart, safe and sustainable solutions in industry-specific applications. These include precision and electronics cleaning, heat transfer, fire protection, protective coatings, immersion cooling, advanced insulation media replacement solutions and several specialty chemical applications.

3M™ Novec™ Engineered Fluids • 3M™ Novec™ Aerosol Cleaners • 3M™ Novec™ 1230 Fire Protection Fluid • 3M™ Novec™ Electronic Grade Coatings • 3M™ Novec™ Insulating Gases

Safety Data Sheet: Consult Safety Data Sheet before use. 3M product SDS are available at [3M.com/SDS](https://www.3m.com/SDS).

Regulatory: For regulatory information about this product, contact your 3M representative.

Technical Information: The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

Product Use: Many factors beyond 3M's control and uniquely within user's control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

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