



Novec™

Brand

3M™ Novec™ Contact Cleaner/Lubricant

Introduction

3M™ Novec™ Contact Cleaner/Lubricant quickly penetrates and flushes away light oils and greases from sensitive electrical and electronic equipment including: avionics, electro-mechanical devices, electrical contacts, connectors and switches. Effectively removes fluorinated oils and greases and leaves a thin protective silicone coating. Novec Contact Cleaner/Lubricant is compatible with plastics and other materials of construction.

Plastics compatibility

| Material | Compatibility | Material | Compatibility |
|---------------|---------------|----------|---------------|
| ABS | Excellent | PMMA | Good* |
| Nylon | Excellent | POM | Excellent |
| Polycarbonate | Excellent | PP | Excellent |
| HDPE | Excellent | PS | Excellent |
| CDPE | Excellent | PTFE | Excellent |
| C.E. Phenolic | Excellent | PVC | Excellent |

* May damage stressed acrylics. Test before use.

Environmental, health and safety information

Not for specification purposes.

| Properties | 3M™ Novec™ Contact Cleaner/Lubricant |
|---|--------------------------------------|
| Ozone Depletion Potential ¹ (ODP) | 0.0 |
| Global Warming Potential ² (GWP) | 105 |
| Exposure Guideline ³ (ppmV, 8 hour time weighted average) | 338 |

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

Key features and benefits

- Cleans and lubricates
- Non-flammable
- Excellent plastics compatibility
- Non conductive, non-corrosive
- Meets MIL-PRF-29608C (Class L)
- Low toxicity
- Low global warming potential
- Contains no HCFCs, HFCs or nPB

Regulatory information

| | |
|-----------------------------|--------------------------|
| RoHS/WEEE Compliant | Yes |
| Meets CA VOC Limits | Yes – Electrical Cleaner |
| Meets OTC VOC Limits | Yes – Electrical Cleaner |
| NSN (National Stock Number) | 6850-01-597-1998 |

Physical properties

Not for specification purposes.

| Property (units) | Value |
|--|-------|
| Vapor Pressure (mmhg @ 20 C) | 226 |
| Surface Tension (dynes/cm ²) | 16 |
| Specific Gravity (g/mL) | 1.43 |
| Dielectric Strength (kV/0.1 inch gap) | >25 |

Safety and handling

3M™ Novec™ Contact Cleaner/Lubricant 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, the product 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.

Storage and shelf life

The shelf life of 3M™ Novec™ Contact Cleaner/Lubricant 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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