



December 20, 2022

Dear Valued Customer,

3M today announced it plans to exit per- and polyfluoroalkyl substance (PFAS) manufacturing and work to discontinue use of PFAS in its product portfolio by the end of 2025. This portfolio decision is based on careful consideration and a thorough evaluation of the external landscape, including multiple factors such as accelerating regulatory trends focused on reducing or eliminating the presence of PFAS in the environment and changing stakeholder expectations.

This impacts products/product families you purchase from 3M listed in Appendix 1. Unfortunately, supply of most of these products continues to be impacted by global supply challenges and strong industry demand exceeding current capacity. Some of the products are also impacted by ongoing force majeure events. We will continue to take all reasonable steps to avoid supply disruptions, but we anticipate that our ability to supply will continue to be constrained.

3M will continue to fulfill contractual obligations during the transition period. Please note that regardless of any order acknowledgement, 3M may not be able to supply your orders due to continuing force majeure events and supply constraints, and we strongly urge customers to find alternative sources of supply.

3M will manage customer last time buy requests based on availability of supply, and we will work with customers to determine specific needs and put in place an action plan to help ensure an orderly transition. 3M does not currently anticipate stockpiling these products.

We understand you may have questions concerning this announcement. Please contact your 3M sales representative, who will work with you to the best of their ability to help support.

Sincerely,

A handwritten signature in blue ink that reads 'David N. Schneider'.

David N. Schneider  
Vice President, Chemicals and Semiconductor  
3M Company, Electronics Materials Solutions Division

## Appendix 1 List of Impacted Products

Product Trade Name
3M™ Electronic Surfactant 4200
3M™ Electronic Surfactant 4300
3M™ FA-188 Foam Additive
3M™ FC-5000 Ionic Liquid Antistat
3M™ Fluorad™ Battery Electrolyte HQ-115
3M™ Fluorinert™ Electronic Liquid FC-40
3M™ Fluorinert™ Electronic Liquid FC-149
3M™ Fluorinert™ Electronic Liquid FC-3243
3M™ Fluorinert™ Electronic Liquid FC-3283
3M™ Fluorinert™ Electronic Liquid FC-3284
3M™ Fluorinert™ Electronic Liquid FC-43
3M™ Fluorinert™ Electronic Liquid FC-770
3M™ Fluorinert™ FC-72 Electronic Liquid
3M™ Ionic Liquid Antistat FC-4400
3M™ Novec™ 1230 Fire Protection Fluid
3M™ Novec™ Contact Cleaner
3M™ Novec™ 1700 Electronic Grade Coating
3M™ Novec™ 1702 Electronic Grade Coating
3M™ Novec™ 1720 Electronic Grade Coating
3M™ Novec™ 1902 Electronic Grade Coating
3M™ Novec™ 1904 Electronic Grade Coating
3M™ Novec™ 1908 Electronic Grade Coating
3M™ Novec™ 2202 Electronic Grade Coating
3M™ Novec™ 2701 Electronic Grade Coating
3M™ Novec™ 2704 Electronic Grade Coating
3M™ Novec™ 2708 Electronic Grade Coating
3M™ Novec™ 4710 Insulating Gas
3M™ Novec™ 5110 Insulating Gas
3M™ Novec™ 612 Magnesium Protection Fluid

Product Trade Name
3M™ Novec™ 649 Engineered Fluid
3M™ Novec™ 7000 Engineered Fluid
3M™ Novec™ 7100 Engineered Fluid
3M™ Novec™ 7100DL Engineered Fluid
3M™ Novec™ 71DA Engineered Fluid
3M™ Novec™ 71DE Engineered Fluid
3M™ Novec™ 71IPA DL Engineered Fluid
3M™ Novec™ 71IPA Engineered Fluid
3M™ Novec™ 7200 Engineered Fluid
3M™ Novec™ 7200DL Engineered Fluid
3M™ Novec™ 72DA Engineered Fluid
3M™ Novec™ 72DE Engineered Fluid
3M™ Novec™ 7300 Engineered Fluid
3M™ Novec™ 73DE Engineered Fluid
3M™ Novec™ 7500 Engineered Fluid
3M™ Novec™ 7500C Engineered Fluid
3M™ Novec™ 7700 Engineered Fluid
3M™ Novec™ 8200 Engineered Fluid
3M™ Novec™ Contact Cleaner / Lubricant
3M™ Novec™ Contact Cleaner Plus
3M™ Novec™ Electronic Degreaser
3M™ Novec™ Engineered Fluid 71D90
3M™ Novec™ Engineered Fluid 72FL
3M™ Novec™ Flux Remover
3M™ Novec™ MW-2410 Engineered Metalworking Fluid
3M™ PF-5052 Performance Fluid
3M™ PF-5056 Performance Fluid
3M™ PF-5058 Performance Fluid
3M™ PF-5060 Performance Fluid