



GLOBAL LEADER PROVIDING
PERFORMANCE FLUIDS & LUBRICANTS

TECHNICAL DATA SHEET

TMC-367E ENGINEERED FLUID

TMC-367E is a 3M™ Novec™ 71DE replacement offering no HFCs and low VOC.

PRODUCT INFORMATION

TMC-367E Engineered Fluid is a precision cleaning solvent mixture of 1,2-trans-dichloroethylene and proprietary fluorinated compounds. It was designed with no hydrofluorocarbons (HFCs) for cleaning applications as a direct substitute for solvents such as n-propyl bromide (nPB), Chemours Vertrel™, 3M Novec 71DE, HCFC-225, and others.

APPLICATIONS

TMC-367E is specifically blended to have lower volatile organic compound (VOC) content. This solvent blend is perfectly suited for general cleaning and is our recommended solvent for medical applications. Its solvency for hydrocarbon soils is superior to most similar high-trans fluorinated solvent blends. It can reliably replace other cleaning solvents such as nPB and trichloroethylene (TCE).

FEATURES

- Non-Flammable
- No Flash Point
- Low Viscosity
- Low VOC Content
- Zero Surface Residue

MATERIALS COMPATIBILITY

TMC-367E is compatible with most polymers and elastomers typically encountered during cleaning and vapor degreasing of precision parts, electronics, etc. TMC-367E is also compatible with stainless steel, aluminum, iron, and every other metal commonly used in precision parts manufacturing.

Compatible Materials

Polyethylene	Polypropylene
Polyvinylchloride (PVC, CPVC)	Acetal
Polyester (PET, BET)	Epoxy
Polyimide (PI, PEI, PAI)	PTFE, Teflon
Polyetherketone (PEK)	Polysulfone (PSO)
Polyaryletherketone (PEEK)	Phenolic
Polyarylsulfone (PAS)	Ionomer
Polyphenylene Sulfide (PPS)	EPDM

Incompatible Materials

Polystyrene	Epichlorohydrin
Polyphenylene Oxide (PPO)	Silicone
Polycarbonate	Natural Rubber
Acrylonitrile Butadiene Styrene (ABS)	Acrylic



PHYSICAL & ENVIRONMENTAL PROPERTIES

PROPERTY	UNITS	TMC-367E
Form	—	Liquid
Color	—	Colorless
Odor	—	Odorless
Boiling Point	°C	39
Vapor Pressure	kPa	29.7
Relative Density	—	1.362
Viscosity (20°C)	cSt	0.41
Volatile Organic Compounds (VOC) Content	g/L	587
	lbs/gal	4.89
Ozone Depletion Potential (ODP)	—	0.0
Global Warming Potential (GWP)	—	330.6
Flash Point	—	None

Not for specification purposes. All values @ 25°C unless otherwise specified.

ENVIRONMENTAL CONSIDERATION

TMC-367E ingredients are listed as acceptable by the US EPA under the Significant New Alternatives Policy (SNAP) program as a substitute for ozone-depleting substances and are not subject to SARA Title III (EPCRA) reporting regulation.

It is not considered a Hazardous Air Pollutant (HAP) and therefore is not regulated under the National Emission Standards for Hazardous Air Pollutants (NESHAP).

Spent TMC-367E is not considered hazardous waste in the US as long as a hazardous material is not deposited into the solvent during the cleaning process.

FLAMMABILITY

TMC-367E exhibits no flash point on either Pensky-Martens Closed Cup (ASTM D93) or Tag Closed Cup (ASTM D56) methods and is not classified as flammable by OSHA or DOT.

However, as is true with almost all halogenated solvents, it does have flammable limits in air in the presence of a high ignition energy source (e.g., a welding torch). TMC-367E is not classified as flammable or hazardous for transport by DOT.

TMC-367E Continued

PACKAGING

TMC-367E is available in the following sizes and weights:

- **1 Gallon Jug** — 10 lb / 4.5 kg
- **5 Gallon Pail** — 50 lb / 22.7 kg
- **55 Gallon Drum** — 550 lb / 250 kg
- **Sample** — 2.2 lb / 1 kg
- **275 Gallon Tote** — Available Upon Request

SHELF LIFE & STORAGE

Shelf life is 5 years from the date of manufacture when stored in the original packaging materials and stored under normal conditions. TMC will re-certify material every 5 years up to 20 years.

DISPOSAL & RECYCLING

This fluid can be recycled and reused. Help protect the environment and don't pay for expensive disposal services.

TMC Industries can reclaim your used fluorinated fluids, restoring them to like-new condition, and save you up to 50% in replacement fluids while protecting the environment.

TMC Reclaimed Fluids are tested to meet new product specifications. It will be clear and odorless, and a Certificate of Analysis is issued with every order.

TMC Industries offers a **100% satisfaction guarantee** on all our reclaimed fluids. We back this up with a no-questions-asked refund policy. To learn more, [click here](#).

EXTERNAL DOCUMENTS

- [TMC Used Fluid Reclamation Service Brochure](#)

Safety and Handling: Before using this product, please thoroughly read the current product SDS and label, following all applicable safety precautions described therein (e.g., recommended storage and safe handling, appropriate exposure controls and personal protective equipment (PPE), addressing accidental spills, disposal considerations, etc.).

Safety Data Sheet: Consult Safety Data Sheet before use.

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

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

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

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