



GLOBAL LEADER PROVIDING  
PERFORMANCE FLUIDS & LUBRICANTS

TECHNICAL DATA SHEET

# TMC-56 ENGINEERED FLUID

TMC-56 is a precision cleaning solvent designed to substitute for Chemours™ Vertrel®, 3M™ Novec®, Honeywell Solstice®, HCFC-225, and other solvents.

## PRODUCT INFORMATION

TMC-56 Engineered Fluid is a VOC-exempt solvent that can be used neat in light cleaning or as a rinsing agent. Acting as a co-solvent, it can add positive characteristics to heavy-duty cleaning blends. It was designed as an ideal substitute for solvents like Chemours Vertrel®, 3M Novec®, Honeywell Solstice, HCFC-225, and others.

## APPLICATIONS

- Light Duty Precision Cleaning Solvent
- Co-Solvent
- Carrier Fluid
- Heat Transfer

## FEATURES

- No Flash Point
- Non-Flammable
- Low Viscosity
- Low Surface Tension
- Zero Surface Residue
- High Boiling Point

## MATERIALS COMPATIBILITY

This product is compatible with most metals, plastics, and elastomers. Testing should always be done on parts to be cleaned in a particular process.

### 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

Strong oxidizing substances	Alkali or Alkaline Earth Metals
Aluminum (Al)	Zinc (Zn)
Beryllium (Be)	



## PHYSICAL & ENVIRONMENTAL PROPERTIES

PROPERTY	UNITS	TMC-56
<b>Form</b>	—	Liquid
<b>Color</b>	—	Colorless
<b>Odor</b>	—	Odorless
<b>Boiling Point</b>	°C	56
<b>KB Value</b>	—	13
<b>Specific Gravity</b>	g/mL	1.47
<b>Vapor Pressure</b>	kPa	31
<b>Specific Heat</b>	J/kg-K	1.28
<b>Dielectric Constant (23°C)</b>	°C	6.6
<b>Latent Heat of Vaporization</b>	kJ/kg	163
<b>Viscosity</b>	cSt	0.65
<b>VOC Constant</b>	g/L	Exempt
<b>Ozone Depletion Potential (ODP)</b>	—	0.0
<b>Global Warming Potential (GWP)</b>	—	580
<b>Flash Point</b>	—	None

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

## PACKAGING

TMC-56 is available in the following sizes and weights:

- **1 Gallon Jug** — 11 lb / 5 kg
- **5 Gallon Pail** — 60 lb / 27.2 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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