



GLOBAL LEADER PROVIDING
PERFORMANCE FLUIDS & LUBRICANTS

TECHNICAL DATA SHEET

TMC-71IPA ENGINEERED FLUID

Light Duty Cleaning Solvent, Miscible with 3M™ Novec™ 71IPA

PRODUCT INFORMATION

TMC-71IPA Engineered Fluid is a drop-in miscible replacement for 3M Novec 71IPA.

TMC-71IPA is a clear, colorless, low-VOC, azeotropic blend designed with no hydrofluorocarbons (HFCs) for light cleaning applications as a direct substitute for solvents like 3M Novec, CFC-113, HCFC-141b, and others.

It is ideal for light-duty cleaning and degreasing tasks and cleaning and rinsing for removal of particulate, fingerprints, and light soils from metal, plastic, and glass parts.

APPLICATIONS

TMC-71IPA is perfectly suited for light cleaning applications and applications where volatile organic compound (VOC) content is important.

- Precision cleaning, rinsing, and drying solvent.
- Light-duty cleaning of oils, greases, and waxes.

FEATURES

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

MATERIALS COMPATIBILITY

TMC-71IPA is compatible with many polymers and elastomers typically encountered during cleaning and vapor degreasing of precision parts, electronics, etc.

TMC-71IPA is also compatible with stainless steel, aluminum, iron, and every other metal commonly used in precision parts manufacturing.

Materials Compatibility continues on following page.



MATERIALS COMPATIBILITY, CONTINUED

Compatible Materials

PFA	Polypropylene
Rexolite	Polystyrene
Polyester (PET, BET)	ABS
Polyimide (PI, PEI, PAI)	PTFE, Teflon
Cast Nylon 6	Polysulfone (PSO)
Polyaryletherketone (PEEK)	CSPR
Neoprene	PVDF
Polyphenylene Sulfide (PPS)	EPDM

Incompatible Materials

Epichlorohydrin
Polyphenylene Oxide (PPO)
Latex

This is an incomplete list. We recommend trialing all parts for compatibility before putting any new solvent into full production.

PHYSICAL & ENVIRONMENTAL PROPERTIES

PROPERTY	UNITS	TMC-71IPA
Form	—	Liquid
Color	—	Colorless
pH Value	—	Not Applicable
Boiling Point	°C	54
Flash Point	—	None
Specific Gravity	g/mL	1.48
Kinematic Viscosity	cSt	0.44
Vapor Pressure	mmHg	207
Lower Flammability Limit	—	4%
Upper Flammability Limit	—	16.7%
Ozone Depletion Potential (ODP)	—	0

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

TMC-71IPA Continued

PACKAGING

TMC-71IPA 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** — 551 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.

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