

TMC-367E

TMC-367E is for INDUSTRIAL USE only. It is not designed for consumer use. TMC-367E is a precision cleaning solvent mixture of 1,2-trans-dichloroethylene and proprietary fluorinated compounds. It was designed with no HFC's for cleaning applications as a direct substitute for solvents like nPB, Chemours Vertrel®, 3M Novec™, HCFC-225 and others.

Features

- LOW VOC CONTENT
- LOW VISCOSITY
- ZERO SURFACE RESIDUE
- NON-FLAMMABLE
- NO FLASH POINT

Packaging Information

Sold in:

- 1 gal. Jug - 10 lbs (4.5 kg)
- 5 gal. Pail - 50 lbs. (22.7 kg)
- 55 gal. Drum - 550 lbs. (250 kg)

Applications

TMC-367E is specifically blended to have lower 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 n-propyl bromide (nPB) and trichloroethylene (TCE).

TMC-367E has broad spectrum cleaning capability for many types of contaminants including cutting oils, heavy greases, stamping oils, gear oils, hydraulic oils, vacuum oils, mineral oils, waxes, and refrigerant oils.

CONTAMINANTS REMOVED - Adhesives Buffing Compounds • Refrigerant Oils • Greases • Hydraulic Oils • Silicone Oils • Waxes/Pitch • Drawing Oils • And Many Others...

Materials Compatibility

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

In the laboratory bench test of widely used plastics and elastomers, there were very few incompatibilities found after immersion in coiling vapors for up to 15 minutes.

Compatible Materials		Incompatible Materials
Polyethylene	Polypropylene	Polystyrene
Polyvinylchloride (PVC, CPVC)	Acetal	Polyphenylene Oxide (PPO)
Polyester (PET, BET)	Epoxy	Polycarbonate
Polyimide (PI, PEI, PAI)	PTFE, Teflon	ABS
Polyetherketone (PEK)	Polysulfone (PSO)	Epichlorohydrin
Polyaryletherketone (PEEK)	Phenolic	Silicone
Polyarylsulfone (PAS)	Ionomer	Natural Rubber
Polyphenylene Sulfide (PPS)	EPDM	Acrylic

Physical and Chemical Properties

Appearance	Clear & Bright
Flash Point	None
Boiling Point	39°C
KB Value	63
Specific Gravity	1.362 g/mL@ 25°C
Viscosity	0.41CP @ 20°C*
Heat Capacity	0.270cal/g @ 20°C*
Vapor Pressure	368 mmHg @ 20°C*
Relative Density	1.362 @ 25°C
Vapor Flammability in Air	Lower Limit – 6.7%* Upper Limit – 19%*
VOC Content	587 g/L 4.89 lbs/gal
ODP	0
GWP	580

*based on 1,2 Trans dichloroethylene

Environmental Properties

TMC-367E ingredients are listed acceptable by the U.S. EPA under the 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 NESHAP.

Spent TMC-367E is not considered hazardous waste in the U.S. 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.

Storage and Handling

TMC-367E is thermally stable and will not oxidize or degrade during storage under normal conditions. It is recommended to store the product inside a clean, dry area and out of direct sunlight or other heat sources. Do not freeze or store below 32°F (0°C) nor above 90°F (32°C) to prevent leakage or potential rupture of container due to contraction/expansion and pressure changes. Drum pumps are recommended to dispense the solvent from its container. Refer to the Safety Data Sheet for more information or contact TMC Industries, Inc. for further assistance.



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