



Precision-V 3730 Solvent Product# 3730

Product Description

Techspray® has formulated Precision-V 3730 to be a drop-in replacement for 3M Novec 7300.

Precision-V 3730 is a pure, colorless, chemically inert solvent with high dielectric strength. It is an effective heat transfer fluid because it quickly conducts heat. but does not interfere with the operation of electronics. This ensures the reliability of electronic devices even in the extreme conditions of military hardware or aerospace applications.

Features / Benefits

- Drop-in replacement for 3M Novec 7300
- Nonflammable
- Non-conductive
- Compatible with plastics
- Low toxicity
- Low global warming potential (GWP)
- Zero ozone depletion potential (ODP)
- VOC-exempt solvent (US EPA)
- Low surface tension for cleaning within tight areas

Applications

- Used in heat transfer
- Lubricant deposition
- Electronic testing
- General solvent cleaner
- Rinsing agent
- Effectively removes soils such as light oils, fluoro lubes, particulates and fluoro greases

Compatibility

Precision-V cleaners are generally compatible within normal operating conditions of vapor degreaser and with exposed materials normally found with the equipment. Specific plastic and elastomeric formulations vary with manufacturers; therefore, we recommend compatibility verification when required.

Material	Compatibility
Plastics	Excellent
Acrylics	Excellent
ABS/Polycarbonate	Excellent
Nylon	Excellent
PTFE	Excellent
Epoxy	Excellent
PEEK	Excellent
Silicones	Good
Ceramics	Excellent
Metals	Excellent

Packaging and Availability

Precision-V Vapor-Degreaser Flux Remover available in the following sizes:

3730-G	1 gal (3.8L)
3730-5G	50 lbs. in 5 gal (18.9L)
3730-54G	580 lbs. in 54 gal (204L)

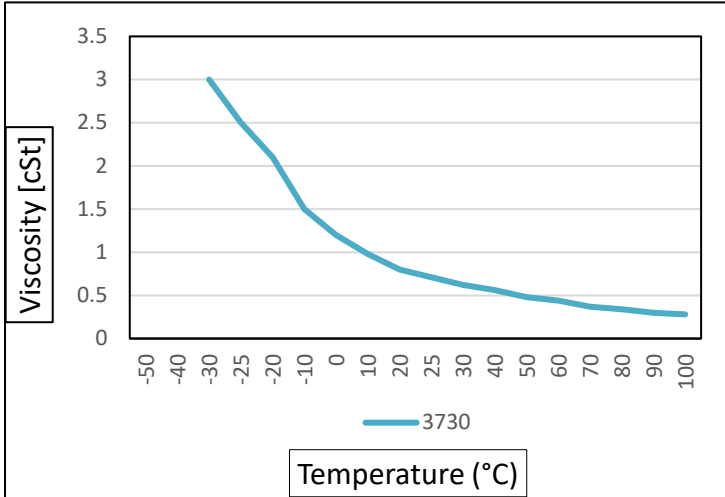
Typical Product Data and Physical Properties

Exposure Limit	>200 ppm
Physical State	Liquid
Odor	ethereal
Appearance	Clear, colorless liquid
Flash Point	none
Percent Volatile	100
Vapor Pressure	44.9 mmHg
Initial Boiling Point	208,4°F (98°C)
Critical Temperature	243 MPa
Specific Heat	1140 J/kg-K
Thermal Conductivity	0.063 W/m-K
Density	103.63 lb./ft ³
Dielectric Strength	~40 kV (0.1" gap)
Dielectric Constant	6.1 (@1kHz)
Volume Resistivity	10 ¹¹ ohm-cm
Surface Tension	15 dynes/cm
GWP	210
VOC	exempt (EPA)
Heat of Vaporization	102 kJ/kg
Kinematic Viscosity	0.71 cSt
Kauri-butanol Value	10 Kb
Ozone Depletion Potential	0
Volume Resistivity	1x10 ¹¹ Ohm-m
Absolute Viscosity	1.18 cps
Pour Point	-38°C
Operational Range	-30°C to 85°C
Shelf life	5 years

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Thermophysical Properties:

Precision –V solvents Kinematic viscosity [cSt] Vs Temperature Curve (°C)



Resources

Techspray® products are supported by global sales, technical and customer services resources.

For additional technical information on this product or other Techspray® products in the United States, call the technical sales department at 800- 858-4043, email tsales@techspray.com or visit our web site at: www.techspray.com.

Important Notice to Purchaser/User: The information in this publication is based on tests that we believe are reliable. The results may vary due to differences in tests type and conditions. We recommend that each user evaluate the product to determine its suitability for the intended application. Conditions of use are outside our control and vary widely. Techspray’s only obligation and your only solution is replacement of product that is shown to be defective when you receive it. In no case will Techspray® be liable for any special, incidental, or consequential damages based on breach of warranty, negligence or any other theory.

Environmental Policy

Techspray® is committed to developing products to ensure a safer and cleaner environment. We will continue to meet and sustain the regulations of all federal, state and local government agencies.

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● **Countries outside the US**

Call to locate a distributor in your country