

### Cyclo-2245 (D5) VOC-Exempt Solvent



VOC-Exempt, HAP-free, Non-aqueous solvent and carrying agent



VOC-Exempt and HAP-free solvent

**Cyclo-2245 (D5) VOC Exempt Solvent** is a polydimethylcyclosiloxane that is composed of Decamethylcyclopentasiloxane (CAS#541-02-6). The product is clear, tasteless & odorless. Cyclo2245 is being widely accepted as a VOC-exempt replacement for non-compliant solvents, carrying agents and cleaning agents.

#### Environmental

Cyclo-2245 is exempt from Federal VOC regulations including California (CARB) and OTC regulations. Unlike most petroleum-based solvents, it does not contribute to ozone-depletion and global warming, having a lifetime in the atmosphere of only 10 to 30-days. Cyclo-2245 is HAP-free...free of hazardous air pollutants (HAP). In addition, Cyclo-2245 has no known toxic pollutants and meets RoHS compliancy.

#### VOC Exempt Cleaning Solvent Replacement

Cyclo-2245 (d5) is being widely accepted as cleaning solvent for non-VOC compliant petroleum-bases solvents. It is effective in the removal of industrial soils, machines fluids, waxes, fats, and greases. Cyclo-2245 is especially effective for applications where low to medium solvency power is desirable. Unlike solvents such as toluene and acetone, it has no odor. In addition, it is compatible with the vast majority of surfaces, including metal, plastics, rubbers and elastomers. Cyclo-2245 is safe to use on painted and unpainted surfaces, leaving no streaks or stains.

#### VOC Exempt Carrying Agent

As a carrying agents, Cyclo-2245 has comparable evaporation rates to naphtha solvents, odorless mineral spirits (OMS) as well as some of the isoparaffinic solvents. It is compatible with most substrates, including metals and plastics.

#### Properties:

- VOC Exempt Solvent for low solvency applications
- VOC Exempt carrying agent
- VOC Exempt Cleaning agent
- Clear, colorless fluid
- No odor
- 100% evaporation at room temperature
- Exempt from federal VOC regulations (including CARB & OTC regulations)
- HAP-Free Solvent
- RoHS Compliant
- Excellent replacement for petroleum based solvents that are not VOC Compliant
- Effective in the removal of industrial soils, machines fluids, waxes, fats, and greases
- Compatible with virtually all substrates including metal, plastics and elastomers.
- Will not streak or stain painted or unpainted surfaces.
- Can be used as an additive to lower VOC and meet compliancy in non-compliant formulations.
- Miscible with virtually all polydimethylsiloxane fluids and most petroleum based fluids
- Soluble in most anhydrous alcohols, waxes, oils (except castor), hydrocarbon oils, esters and silicone fluid.
- Insoluble in water

#### Product Data

Chemical Name	Decamethylcyclopentasiloxane
CAS No.	541-02-6
Appearance	Colorless liquid
Specific gravity @25°C	0.954
Viscosity at 25 at 25°C	4.0
Refractive index	1.397
Surface tension	18.0
Flash point-closed cup	77°C / 170.6°F
Freeze point	-40°C
Boiling point @ 760mmHg	210°C
Vapor pressure	1.0mmHg (20°C)
Evaporation rate (buty acetate=1)	<1
Heat of vaporization @25°C	157
(D4) content	<1.0%

#### CAS Information

Decamethylcyclopentasiloxane CAS# 541-02-6..... > 99%  
 Octamethylcyclotetrasiloxane CAS# 556-67-2.....1%

#### Packaging

1-gallon.....8lb / 3.6kg  
 5-gallon pail.....40lb / 18kg  
 55-gallon drum.....440 lbs / 200kg

#### Caution

Cyclo- 2245 Cyclomethicone has low flash point and appreciable vapor pressure at ambient temperature. Do not expose to heated surfaces or ignition sources.

#### For More Information, Contact:

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