

Draft
 ODC Substitutes and Impact Information
 (Missing Data To Be Added At A Later Date)

| Mil/Fed Spec Number | ODC INFORMATION | | Substitute Information | | Regulatory Status of Substitute | | | | Environmental Impacts of Substitute Use |
|---------------------|---|--|--|--------|---------------------------------|-----|-----|--------|---|
| | Presently Being Used (Regulatory Status) | Usage | Potential Substitute | Source | TS | EHS | ODC | EPA 17 | |
| Mil-A-60091B | 1,1,1-Trichloroethane (TS, ODC, EPA 17) | Degrease oily test pieces prior to testing | Acetone | N | | | | | |
| Mil-A-60091B | 1,1,1-Trichloroethane (TS, ODC, EPA 17) | Degrease oily test pieces prior to testing | DS-104 | N | | | | | |
| Mil-A-60091B | 1,1,1-Trichloroethane (TS, ODC, EPA 17) | Degrease oily test pieces prior to testing | DS-108 | N | | | | | |
| Mil-A-60091B | 1,1,1-Trichloroethane (TS, ODC, EPA 17) | Degrease oily test pieces prior to testing | Isopropanol | N | X | | | | |
| Mil-A-60091B | 1,1,1-Trichloroethane (TS, ODC, EPA 17) | Degrease oily test pieces prior to testing | PF-145HP | N | | | | | |
| Mil-C-70724 | 1,1,1-Trichloroethane (TS, ODC, EPA 17) | Cartridge chemical compatability determination | Recommend deleting 1,1,1-trichloroethane from test method. | N | | | | | |
| Mil-D-45413B | 1,1,2-Trichlorotrifluoroethane, aka Freon 113 (TS, ODC) | Prepare sample for composition determination | Chloroform | N | X | X | | X | |

Draft
 ODC Substitutes and Impact Information
 (Missing Data To Be Added At A Later Date)

| Mil/Fed Spec Number | ODC INFORMATION | | Substitute Information | | Regulatory Status of Substitute | | | | Environmental Impacts of Substitute Use |
|---------------------|---|--|---|--------|---------------------------------|-----|-----|--------|---|
| | Presently Being Used (Regulatory Status) | Usage | Potential Substitute | Source | TS | EHS | ODC | EPA 17 | |
| Mil-D-45413B | 1,1,2-Trichlorotrifluoroethane, aka Freon 113 (TS, ODC) | Solvent used as rinse wash in the composition determination test | Chloroform (This substance must be the same as the substance used in the composition determination preparation for Mil-D-45413, according to the lab procedure.) | | | | | | |
| Mil-D-45413B | 1,1,2-Trichlorotrifluoroethane, aka Freon 113 (TS, ODC) | Prepare sample for composition determination | Petroleum Ether | N | | | | | |
| Mil-D-45413B | 1,1,2-Trichlorotrifluoroethane, aka Freon 113 (TS, ODC) | Solvent used as rinse wash in the composition determination test | Petroleum Ether (This substance must be the same as the substance used in the composition determination preparation for Mil-D-45413, according to the lab procedure.) | | | | | | |

Draft
 ODC Substitutes and Impact Information
 (Missing Data To Be Added At A Later Date)

| Mil/Fed Spec Number | ODC INFORMATION | | Substitute Information | | Regulatory Status of Substitute | | | | Environmental Impacts of Substitute Use |
|---------------------|--|---|---|--------------|---------------------------------|-----|-----|--------|---|
| | Presently Being Used (Regulatory Status) | Usage | Potential Substitute | Source | TS | EHS | ODC | EPA 17 | |
| Mil-L-45403D | 1,1,1-Trichloroethane (TS, ODC, EPA 17) | Used to remove wax coating from the cartridge link in wax coating weight test | Trichloroethylene (person performing analysis has choice between 1,1,1-trichloroethane, 1,1,2-trichloroethane, and trichloroethylene) | Mil-L-45403D | X | | | X | |
| Mil-L-45403D | 1,1,1-Trichloroethane (TS, ODC, EPA 17) | Used to remove wax coating from the cartridge link in wax coating weight test | Hot aqueous wash with drying | N | | | | | |
| Mil-L-45403D | 1,1,1-Trichloroethane (TS, ODC, EPA 17) | Used to remove wax coating from the cartridge link in wax coating weight test | Terpene or petroleum hydrocarbon cleaner followed by forced air drying | N | | | | | |
| Mil-L-45923B | 1,1,1-Trichloroethane (TS, ODC, EPA 17) | Used to remove wax coating from the cartridge link in wax coating weight test | Trichloroethylene (person performing analysis has choice between 1,1,1-trichloroethane, 1,1,2-trichloroethane, and trichloroethylene) | Mil-L-45923B | X | | | X | |

Draft
 ODC Substitutes and Impact Information
 (Missing Data To Be Added At A Later Date)

| Mil/Fed Spec Number | ODC INFORMATION | | Substitute Information | | Regulatory Status of Substitute | | | | Environmental Impacts of Substitute Use |
|---------------------|--|--|--|--------|---------------------------------|-----|-----|--------|---|
| | Presently Being Used (Regulatory Status) | Usage | Potential Substitute | Source | TS | EHS | ODC | EPA 17 | |
| Mil-L-45923B | 1,1,1-Trichloroethane (TS, ODC, EPA 17) | Used to remove wax coating from the cartridge link in wax coating weight test | Hot aqueous wash with drying | N | | | | | |
| Mil-L-45923B | 1,1,1-Trichloroethane (TS, ODC, EPA 17) | Used to remove wax coating from the cartridge link in wax coating weight test | Terpene or petroleum hydrocarbon cleaner followed by forced air drying | N | | | | | |
| Mil-P-50265 | Freon TF (TS, ODC) | Used in sound output test methol. Primer assemblies are immersed in Freon for at least 48 hours. | Chloroform | N | X | X | | X | |
| Mil-S-14760 | Trichlorotrifluoroethane (TS, ODC) | Solvent in silica suspension test | Chloroform | | | | | | |
| Mil-S-14760 | Trichlorotrifluoroethane (TS, ODC) | Solvent in silica suspension test | Petroleum Ether | | | | | | |

Draft
 ODC Substitutes and Impact Information
 (Missing Data To Be Added At A Later Date)

| Mil/Fed Spec Number | ODC INFORMATION | | Substitute Information | | Regulatory Status of Substitute | | | | Environmental Impacts of Substitute Use |
|---------------------|--|--|--|--------|---------------------------------|-----|-----|--------|---|
| | Presently Being Used (Regulatory Status) | Usage | Potential Substitute | Source | TS | EHS | ODC | EPA 17 | |
| Mil-V-13750B | Carbon Tetrachloride (TS, ODC, EPA 17) | Solvent for varnish extract in the test for cyclo-olefinic compounds | Recommend replacement of carbon tetrachloride in test for cyclo-olefinic compounds with FED-STD-141, Revision C, Change Notice 2, Test Method 7356.1 | N | | | | | |
| TT-E-485F | Carbon Tetrachloride (TS, ODC, EPA 17) | Solvent for varnish extract in the test for cyclo-olefinic compounds | Recommend TT-E-485F be replaced with Mil-E-52891B | N | | | | | |

Draft
 Solvent Substitutes and Impact Information
 (Missing Data To Be Added At A Later Date)

| Mil/Fed Spec Number | SOLVENT INFORMATION | | Substitute Information | | Regulatory Status of Substitute | | | | Environmental Impacts of Substitute Use |
|---------------------|--|---|------------------------|--------------|---------------------------------|-----|-----|--------|---|
| | Presently Being Used (Regulatory Status) | Usage | Potential Substitute | Source | TS | EHS | ODC | EPA 17 | |
| Mil-B-48612A | Methyl Ethyl Ketone (TS, EPA 17) | To remove excess product from the metal test pieces by dissolving adhesive | Acetone | Mil-B-48612A | | | | | |
| Mil-C-48497A | Trichloroethylene (TS, EPA 17) | Removed from spec per amendment 3 (21 Feb 95) | | | | | | | |
| Mil-C-48868E | Methylene Chloride (TS, EPA 17) | Extraction solvent for preparation for diphenylamine and nitrocellulose determination | | | | | | | |
| Mil-C-48868E | Methylene Chloride (TS, EPA 17) | Solvent in the diphenylamine percentage determination | | | | | | | |
| Mil-C-48882D | Methylene Chloride (TS, EPA 17) | Extraction solvent | | | | | | | |
| Mil-C-48882D | Methylene Chloride (TS, EPA 17) | Solvent in the diphenylamine percentage determination | | | | | | | |
| Mil-C-50872C | Chloroform (TS, EHS, EPA 17) | Extraction solvent in the calcium resinate percentage determination | Ethyl Ether | P | | | | | |
| Mil-D-13383 | Benzene (TS, EPA 17) | Used in testing to determine the acid number on the sample | | | | | | | |
| Mil-D-45413B | Chloroform (TS, EHS, EPA 17) | Ingredient of solvent used to prepare sample for composition determination | | | | | | | |

Draft

Solvent Substitutes and Impact Information
(Missing Data To Be Added At A Later Date)

SOLVENT INFORMATION

Substitute Information

**Regulatory Status of
Substitute**

Draft

Solvent Substitutes and Impact Information
(Missing Data To Be Added At A Later Date)

SOLVENT INFORMATION

Substitute Information

**Regulatory Status of
Substitute**

erGIII0.05 BT 37.92 409.68 TD /F1 8.64 Tf -0.066 Tc 0 Tw (Mil-F-70737) Tj 48 0 TD -0.0865 Tc 0.0846 Tw (Toluene (TS, EPA 17)) Tj 87.84 43.2 TD -0.0456 Tc 0.0436 Tw (Used to cle

Draft

Solvent Substitutes and Impact Information
(Missing Data To Be Added At A Later Date)

SOLVENT INFORMATION

Substitute Information

**Regulatory Status of
Substitute**

Draft

Solvent Substitutes and Impact Information
(Missing Data To Be Added At A Later Date)

SOLVENT INFORMATION

Substitute Information

**Regulatory Status of
Substitute**

Draft

Solvent Substitutes and Impact Information
(Missing Data To Be Added At A Later Date)

SOLVENT INFORMATION

Substitute Information

**Regulatory Status of
Substitute**

Draft

Solvent Substitutes and Impact Information
(Missing Data To Be Added At A Later Date)

SOLVENT INFORMATION

Substitute Information

**Regulatory Status of
Substitute**