

## CitraFlor OT Solvent

### Benefits

CitraFlor™ OT series of citrus-based products were developed to improve operator safety without sacrificing cleaning performance. Used as directed, these products will minimize emissions, toxicity and disposal issues and reduce environmental reporting. Ingredients were carefully selected to meet global environmental/regulatory requirements.

### Description

CitraFlor OT is a refined citrus terpene solvent. It is 100% bio-based product with consistent purity, color, and fresh orange odor.

CitraFlor OT is considered low in toxicity, readily biodegradable and contains no halogens or heavy metals. Citrus terpenes are considered GRAS (Generally Recognized As Safe) by the US Food and Drug Administration.

### Performance Properties

Vapor Pressure at 20°C	2 mmHg
Flash Point (PMCC)	115° F/46° C min
Evaporation Rate (Butyl Acetate=1)	<1

### Application

CitraFlor OT is designed to be used in the concentrated form at ambient temperature. Applied by hand or dip (unheated), CitraFlor OT works fast to clean a variety of tough residues including adhesives, heavy grease, lubricants, silicones, surface oils, and waxes. The drying process can be accelerated by following with a clean wipe or desiccated forced air. This product is also ideal for aerosol and saturated wipes packaging.

For handwipe applications requiring faster evaporation, CitraFlor OT3 is recommended. CitraFlor OT8 or CitraFlor HF are recommended for cleaning operations demanding a closed cup flash point higher than > 140° F (60°C).

### Environmental & Regulatory Status

Global Warming Potential (GWP)	Very Low
Ozone Depletion Potential (ODP)	Zero
RoHS Compliant	Yes
US Hazardous Air Pollutant (HAP)	No
US Nat'l Emission Standards for Hazardous Air Pollutants (NESHAPs)	Not Regulated
US Resource Conservation and Recovery Act (RCRA)	Not Regulated
US Significant New Alternatives Program (SNAP)	Approved
US Superfund Amendments and Reauthorization Act (SARA)	Not Regulated
VOC Content (concentrate)	~840 g/l

## HMIS Properties Comparison

	HMIS Categories			Flash Point (Closed Cup)
	Health	Flammability	Reactivity	
CitraFlor OT	1	2	0	115° F/ 46° C min
CitraFlor OT3	1	2	0	105° F/ 41° C
CitraFlor OT8	1	2	0	144° F/62° C
CitraFlor HF	1	2	0	145° F/63° C
MEK	2	3	1	16° F/-9° C
IPA	2	3	0	53° F/12° C
Acetone	2	3	0	-4° F /-20° C
Xylene	2	3	0	63° F/17° C
Mineral Spirits	2	2	0	108° F/42° C

### Compatibility

CitraFlor OT is compatible with most metal surfaces including aluminum, cupric and ferrous metals. This product will attack several common plastics after extended exposure. PET is recommended for plastic containers.

### Packaging, Handling, and Storage

CitraFlor OT is available in 55 gallon (177kg net) drums and 5 gallon (15kg net) pails.

CitraFlor OT is classified as a "Class II Combustible Liquid" by US NFPA and OSHA standards.

Store in well-ventilated, controlled warehouse with fire prevention system. Keep containers tightly sealed when not in use. Improper storage and handling can lead to oxidation (color change). Shelf life is 36 months from date of manufacture in unopened, original containers.

### Disposal

Contact your local waste management company regarding suitable disposal methods. Fuel blending is recommended where offered.

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