

Description

The 433 *d-Limonene* is a food grade, natural orange extract. It is a biodegradable product with a pleasant odor.

Applications & Usages

The 433 will dissolve HIPS (High Impact Polystyrene) used in 3D printing applications for creating support material.

It can also be used for many other applications, such as removing adhesives and tar, cleaning floors, and degreasing. It also works well as a hand cleaner, a release agent, and as graffiti remover.

It can replace petroleum-derived products in many different applications.

Features and Benefits

- **Suitable for Use in Food Facilities as a Non-Food Chemical**—Canadian and NFS recognition letters available on request
- **Biodegradable solvent and cleaning agent**
- **100% bio-based**—free of any petroleum product
- **Rated GRAS** (Generally Recognized as Safe)
- **RoHS Compliant**

ATTENTION! FOR INDUSTRIAL OR LABORATORY USE ONLY. NOT FOR RETAIL SALE IN CALIFORNIA, UTAH, AND NEW HAMPSHIRE.

Usage Parameters

<i>Properties</i>	<i>Value</i>
Shelf Life	5 y

Temperature Ranges

<i>Properties</i>	<i>Value</i>
Storage Temperature Limits ^{a)}	-20 to 40 °C [-4 to 104 °F]

a) Store in cool, dry, and well ventilated area.

d-Limonene Properties

<i>Physical Properties</i>	<i>Value</i>
Appearance	Colorless
Specific Gravity @25 °C [77 °F]	0.84 ± 0.03
Water Solubility	Slightly soluble
Refractive Index	1.472–1.474
Optical Rotation @25 °C [77 °F]	96° to 104°
Flash Point, Closed Cup	43 °C [110 °F]

Health and Safety

Please see the 433-Liquid **Safety Data Sheet** (SDS) for more details on transportation, storage, handling and other security guidelines.

Application Instructions

To dissolve 3D support structures

1. Place the d-limonene solution in a sealable jar.
2. Place the print in the jar.
3. (Optional) Shake or agitate the jar periodically.

Packaging and Supporting Products

<i>Cat. No.</i>	<i>Packaging</i>	<i>Net Volume</i>		<i>Net Weight</i>		<i>Packaging Weight</i>	
433-1L	Can	945 mL	1.99 pt	794 g	1.75 lb	5.0 kg ^{a)}	11 lb ^{a)}
433-4L	Can	3.78 L	1 gal	3.17 kg	7.0 lb	3.8 kg	2.1 lb

a) Pack of 5

Technical Support

Contact us regarding any questions, improvement suggestions, or problems with this product. Application notes, instructions, and FAQs are located at www.mgchemicals.com.

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Disclaimer

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