d-Limonene—Industrial Strength
433C Technical Data Sheet

433C-Liquid

Description

The 433C *d-Limonene* is an industrial grade solvent. It is a biodegradable product with a pleasant odor.

Applications & Usages

The 433C 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

- **Biodegradable solvent and cleaning agent**
- **100% bio-based—**free of any petroleum product
- **RoHS Compliant**

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

Usage Parameters

Properties	*Value*
Shelf Life	5 y

Temperature Ranges

Properties	*Value*
Storage Temperature Limits [a)]	-20 to 40 °C [-4 to 104 °F]

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

d-Limonene Properties

Physical Properties	*Value*
Appearance	Colorless
Specific Gravity @25 °C [77 °F]	0.85 g/mL
Water Solubility	Slightly soluble
Refractive Index	1.468–1.478
Flash Point, Closed Cup	31 °C [88 °F]

Date: 02 July 2020 / Ver. 1.01

Health and Safety

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

Environmental Impact: The volatile organic content is 100% by EPA and WHMIS standards. It is toxic to aquatic life in high concentration. Please dispose of in accordance to local/regional/national/international regulations.

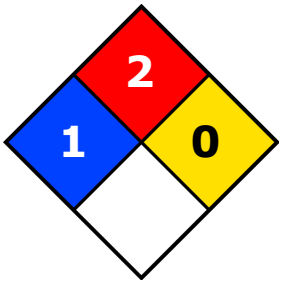
This product meets the European Directive 2011/65/EU Annex II (ROHS); recasting 2002/95/EC.

Health and Safety: May cause allergic reaction and skin irritation in some individuals. Wash hands thoroughly after use. Aspiration of d-limonene into the lung may be fatal.

HMIS® RATING

HEALTH:	**1**
FLAMMABILITY:	**2**
PHYSICAL HAZARD:	**0**
PERSONAL PROTECTION:	

NFPA® 704 CODES



Approximate HMIS and NFPA Risk Ratings Legend:
0 (Low or none); 1 (Slight); 2 (Moderate); 3 (Serious); 4 (Severe)

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

Cat. No.	*Packaging*	*Net Volume*		*Net Weight*		*Packaging Weight*
433C-1L	Can	945 mL	1.99 pt	799 g	1.76 lb	TBD
433C-4L	Can	3.78 L	1 gal	3.19 kg	7.05 lb	"

TBD=To be determined

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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Warranty

M.G. Chemicals Ltd. warranties this product for 12 months from the date of purchase by the end user. *M.G. Chemicals Ltd.* makes no claims as to shelf life of this product for the warranty. The liability of *M.G. Chemicals Ltd.* whether based on its warranty, contracts, or otherwise shall in no case include incidental or consequential damage.

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