



Fenugreek OleoResin

Technical Datasheet

1. Technical Datasheet

Property	Specification
Physical Properties	
Appearance	Dark brown viscous liquid
Physical Form	Dark brown viscous liquid
Odor	Characteristic aroma of fenugreek, similar to maple syrup; sweet, herbaceous, spicy, balsamic.
Molecular Weight	Mixture
Density / Specific Gravity	0.97900 to 0.98400 @ 25°C
Viscosity	Medium to high, very viscous pasty liquid.
Refractive Index	1.491 (lit.) @ 20°C
pH (aqueous solution)	5.0 - 6.5
Assay / Purity	Saponins Range: 20%-40%
General	
CAS Number	84625-40-1
Chemical Properties	
Incompatibilities	Strong oxidizing agents.
Hazardous Reactions / Decomposition Products	Upon combustion, may form carbon monoxide and other unidentified organic compounds. The product is stable under normal conditions.
Thermal Properties	
Melting Point	-5 to 5°C (semi-solid)
Boiling Point	250-300°C (estimated)
Flash Point	74°C (165.2°F) Closed Cup
Thermal Stability	Stable under normal operating conditions. Store in tightly closed containers in a cool, dry place, protected from light.
Solubility	
Solubility in Water	Insoluble
Solubility in Ethanol	Soluble
Solubility in Oils	Soluble



2. Dosing by Application

Application	Recommended / Max Dosage
Cosmetic Formulations (General)	1 - 5%
Fragrance Concentrates	Up to 0.2000%
Food Flavoring	Use levels are available from FEMA upon request for specific food categories.

The information and data contained herein are believed to be accurate but may not be all inclusive and should only be used as a guide. The information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the product for his particular use and on condition that they assume the risk of the use thereof.

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