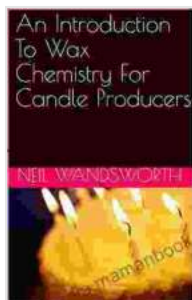


An Exhaustive Introduction to Wax Chemistry for Candle Producers



An Introduction To Wax Chemistry For Candle

Producers by Linda Gray

★★★★★ 5 out of 5

Language	: English
File size	: 1889 KB
Text-to-Speech	: Enabled
Screen Reader	: Supported
Enhanced typesetting	: Enabled
Word Wise	: Enabled
Print length	: 17 pages
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What is Wax?

Wax is a natural or synthetic substance that is solid at room temperature but melts at a relatively low temperature. Waxes are typically hydrophobic, meaning they repel water. They are also combustible, meaning they can burn. Candles are made by combining wax with a wick and a fragrance.

Types of Wax

There are many different types of wax that can be used to make candles. The most common types of wax are:

- **Paraffin wax** is a petroleum-based wax that is the most common type of wax used in candles.

- **Soy wax** is a vegetable-based wax that is made from soybeans.
- **Beeswax** is a natural wax that is produced by bees.
- **Gel wax** is a synthetic wax that is made from petroleum hydrocarbons.
- **Palm wax** is a vegetable-based wax that is made from palm oil.

Wax Properties

The properties of wax are determined by its chemical composition. The most important properties of wax for candle making are:

- **Melting point** is the temperature at which the wax melts.
- **Hardness** is the resistance of the wax to deformation.
- **Viscosity** is the resistance of the wax to flow.
- **Opacity** is the ability of the wax to block light.
- **Fragrance throw** is the ability of the wax to release fragrance.

Choosing the Right Wax

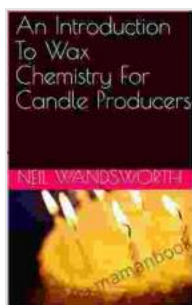
The type of wax that you choose for your candles will depend on the desired properties of the finished product. If you are looking for a hard wax with a high melting point, then paraffin wax is a good choice. If you are looking for a soft wax with a low melting point, then soy wax is a good choice. If you are looking for a natural wax, then beeswax is a good choice. If you are looking for a wax with a long fragrance throw, then gel wax is a good choice.

Working with Wax

When working with wax, it is important to take some precautions. Wax is flammable, so it is important to keep it away from open flames. Wax can also be hot, so it is important to wear gloves when handling it. Wax can also be messy, so it is important to work in a well-ventilated area.

Wax is a versatile material that can be used to make a variety of products, including candles. By understanding the chemistry of wax, you can choose the right wax for your project and achieve the desired results.

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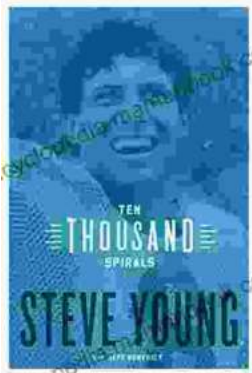
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