

Technical Data Sheet

BIOACT® VSO

Product Description

BIOACT VSO Cleaner is a highly refined solvent formulated to effectively dissolve support waxes that are commonly used in 3D printers. It is designed to minimize volatile organic compound (VOC) emissions, worker exposure, fire risks and overall usage. BIOACT VSO is a widely accepted “drop-in” replacement for acetone, mineral spirits, kerosene and other low flash point, high vapor pressure and toxic solvents.

Features and Benefits

- High Flash Point
- Low Odor
- Replaces Flammable Solvents
- Powerful Solvency
- Reduces VOC Emissions
- Low Toxicity
- May Be Heated

Properties

Odor	Very Low Odor
Flash Point	215 °F (102 °C)
Specific Gravity (25 °C)	0.82
Vapor Pressure (20 °C)	0.1 mm Hg
Viscosity	4.6 cps

Soils Removed

- Support Waxes
- Mineral Oils
- Water Soluble Oils
- Synthetic Oils
- Lubricating Oils
- Fingerprint Oils
- Coolants
- Rust Inhibitors
- Greases
- Particulate Matter

Equipment

Suitable for use in commercially available heated immersion tanks.

Process

1. Add BIOACT VSO at 100% to a metal or glass container.
2. Place model into container at room temperature.
3. Heat container to 100°F (38°C).
4. Over a period of 60 minutes, slowly raise the temperature until it reaches 125°F (52°C). *Mechanical agitation will improve cleaning results.*
5. The use of a second tank of BIOACT VSO is recommended for high volume operations.

Technical Data Sheet

Environmental/Regulatory

Ozone Depletion Potential (ODP)	Zero
Global Warming Potential (GWP)	Low
Volatile Organic Compound (VOC)	820 g/l
Hazardous Air Pollutant (HAP)	No
Superfund Amendments and Reauthorization Act (SARA)	Not Regulated
Hazardous Air Pollutants (NESHAPs)	Not Regulated
Resource Conservation and Recovery Act (RCRA)	Not Regulated

Disposal/Safety

Disposal

Vantage recommends contacting your current or local environmental service company for proper disposal.

Safety

Please see Safety Data Sheet for further information.

Packaging

Available in 6 lb (3 kg) cans, 34 lb (15 kg) pails and 377 lb (171 kg) drums.

Shelf Life

36 months when stored in original, sealed container above 50 °F (10 °C).



BIOACT is a registered trademark of Vantage Specialties, Inc.

Typical property data is not intended for specification purposes. Vantage Specialties, Inc., its sales agents and distributors make no warranty of merchantability of the product or of product fitness for any particular purpose. This product and all information supplied are used at the purchaser's own risk. The purchaser assumes all risk of use or handling of the product, whether in accordance with directions or not.

Vantage Specialties, Inc.

3938 Porett Drive • Gurnee, Illinois 60031 USA • P +1 847 244 3410 • F +1 847 249 6346 • www.vantagegrp.com