
BIOACT^{®*} 145

Precision Cleaner

Description BIOACT 145 Precision Cleaner is a blend of non-linear alcohol and aliphatic hydrocarbons formulated to provide strong cleaning performance, low odor, quick evaporation, and minimal non-volatile residue. It is a non-aqueous cleaning agent suitable for removing a wide variety of soils in immersion or hand-wipe cleaning applications.

BIOACT 145 is an alternative to isopropyl alcohol, acetone, methyl ethyl ketone, and other low-flash-point flammable materials, as well as mineral spirits, d-limonene, chlorinated and halogenated solvents. In most cases, BIOACT 145 provides improved cleaning performance, improved safety, reduced solvent consumption, and reduced VOC emissions. BIOACT 145 evaporates at a much slower rate than most of the solvents mentioned above. For quicker evaporation, try BIOACT 105 Precision Cleaner.

Applications BIOACT 145 is formulated to remove a wide range of soils and soil types. It effectively removes adhesives, asphalt, coolants, fingerprints, greases, inks, mold release agents, oils, paint over spray, tar, and other soils.

BIOACT 145 is useful for cleaning and surface preparation prior to painting, bonding, coating, or further processing of parts. It is also useful for cleaning prior to packaging, final assembly of component parts, and in maintenance operations.

Process BIOACT 145 is ideal for most hand-wipe cleaning applications. For maximum convenience, safety, and portability, **BIOACT 105 Pre-Saturated Wipes** are available (contact Petroferm or your local Petroferm representative for samples or additional information). BIOACT 145 is suitable for use at ambient temperature in a variety of commercially available cleaning equipment including ultrasonic systems, spray-under-immersion systems, recirculating-type parts washers, and immersion/soak tanks.

* BIOACT is a registered trademark of Petroferm Inc.

Vapor degreasers can be modified to use BIOACT 145 as a cold immersion cleaner by simply removing the heat sources and using the tanks as immersion baths. The spray wand may be used to flood the parts with BIOACT 145 if needed. For additional equipment recommendations, please contact Petroferm.

Typical Properties

Table 1.

Appearance	Colorless liquid
Flash Point (Pensky-Martens Closed Cup)	143°F (62°C)
Specific Gravity @ 25°C	0.80 ± 0.01
Vapor Pressure @ 20°C	< 2 mm Hg
Viscosity @ 25°C	2.4 cps
Kauri-Butanol (KB) Value	133
Odor	Mild

Compatibility BIOACT 145 is compatible most metals including aluminum, magnesium, carbon steels, stainless steels, nickel-containing alloys, cobalt-containing alloys, and titanium alloys. The product is also compatible with several types of plastics and elastomers. Contact Petroferm for additional compatibility information.

Environmental and Regulatory

Table 2.

Ozone Depletion Potential (ODP)	Zero
Global Warming Potential (GWP)	Zero
Volatile Organic Compound (VOC)	827 g/l (EPA Method 24)
Significant New Alternatives Program (SNAP)	Approved
Hazardous Air Pollutants (HAP)	No
National Emission Standards for Hazardous Air Pollutants (NESHAP)	Not regulated
Superfund Amendments and Reauthorization Act (SARA)	Not regulated
Resource Conservation and Recovery Act (RCRA)	Not regulated

Safety and Toxicity	Please see Material Safety Data Sheet for detailed information.
Disposal	Petroferm recommends contacting your current or local environmental service company for disposal of this product. The suggested method of disposal is fuel blending. BIOACT 145 has fuel value in excess of 15,000 BTU per pound. Its flash point is greater than 140°F (60°C) and it is not a hazardous waste as defined by the USEPA in 40 CFR 261.
Packaging	BIOACT 145 is available in 5-gallon pails (35 lb / 16 kg net, 40 lb / 18 kg gross) and 55-gallon drums (380 lb / 173 kg net, 418 lb / 190 kg gross). Samples are available in one-quart and one-gallon containers.
Storage	BIOACT 145 should be stored in the original container, in a cool, ventilated, fire-resistant building.
Shelf Life	The shelf life for BIOACT 145 is indefinite when it is stored in its original, sealed container at room temperature. However, the product should be inspected after the designated date on the product label (twenty-four months from the date of manufacture) prior to customer use.

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