## Technical Data Sheet





## Lexolube® Isopropyl Esters

## Hydrolysis Resistant Metalworking Additives

PRODUCT DESCRIPTION

Lexolube<sup>®</sup> IPO and Lexolube<sup>®</sup> IPP are biodegradable, long chain fatty isopropyl esters. Isopropyl esters are partially blocked by carbon atoms so they are less likely to degrade by reacting with water. Lexolube<sup>®</sup> IPO is approved for use in indirect food contact applications (21 CFR Sec. 178.3570).

**FEATURES** 

- Hydrolysis Resistance
- Excellent Inherent Lubricity
- Premium Quality
- Corrosion Protection
- Worker Friendly
- Readily Biodegradable

PHYSICAL PROPERTIES

Property, Units	*IPO	IPP
Appearance, Visual	Clear	Clear
Odor, Olfactory	Mild, Fatty	Odorless
Viscosity@40°C, cSt	5	5
Viscosity@100°C, cSt	2	2
lodine Value, cg*l <sub>2</sub> /g	180	190
Pour Point, °C	-25	12
Flash Point (COC), °C	175	165
Haze Point, °C	-20	ND
24hr Solidification, °C	-45	12
Biodegradability, 28 Days	98%	91%
% Bio-Based Carbon	86%	84%

<sup>\*</sup>Lexolube® IPO is HX-1 approved for incidental food contact under 21 CFR 178.3570.

**APPLICATIONS** 

- Semi-Synthetics
- Vanishing Oils

Soluble Oils

Worker Friendly

Neat Oils

Food Grade Oils (IPO)

STORAGE AND HANDLING

These products should be warehoused in unopened containers at ambient temperature. Consult material Safety Data Sheets (SDS) for handling procedures.

**REGULATORY STATUS** 

- TSCA (USA)
- EINECS (EU)
- DSL (Canada)
- MITI (Japan)

- AICS (Australia)
- ECL (Korea)
- PICCS (Philippines, IPP Only)
- IECSC (China)

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