

Golpar, Persian Hogweed *Heracleum persicum* Desf. ex Fisch. Technical Data Sheets(TDS)



Technical Fact

Oil Origin: fruits
Extraction: steam distilled
UV resistance: limited
Solubility: alcohol soluble, partially hydrophobic
Rancidity time: 6-8 month
Moisture content: 0.8-1.5 %

Physical Characteristics

Comparative Physical Characteristics of commercial *H. persicum* essential oil as specified by published data

Characteristics	USP	Sample	Commercial sample
Appearance (25°C)	n/d	Liquid	Liquid
Color	n/d	Light yellow	Yellow to yellow-green
Odor	n/d	anise-like smell	Pungent, Strang anise-like smell
Freezing point (°C)	n/d	18–23	18–22
Flash point (°C)	n/d	> 80	> 80
Relative Density (at 20°C)	n/d	0.88	0.86-0.88

n/d. not determined

Toxicity

The toxic activity (LD_{50}) of *Heracleum* essential oils was from 0.25 to 0.4 ml for one oral dose per mouse.

Safety

Avoid contact with eyes
Inner ears
Skin irritant
Allergic condition.