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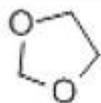
Technical Data Sheet

1,3-Dioxolane

Product Information

Chemical Name 1,3-Dioxolane

Chemical Structure



CAS # 646-06-0

Formula C₃H₆O₂

Molecular Weight 74.08

Synonyms

1,3-Dioxolan;1,3-Dioxole,dihydro-;1,3-dioxole,dihydro-;1,3-dioxolane;dihydro-1,3-dioxole;dihydro-3-dioxole;
Dioxolan;dioxolane(non-specificname)

Description

1,3-Dioxolane is a kind of Colorless transparent liquid freezing point - 95, the boiling point of 78 (100 kpa), relative density 1.066 (15/4), refractive index of 1.3974, flash point 1 can be immiscible with water, but soluble in alcohol, ether and benzene formed azeotrope with water, the boiling point of 70-70, the water cut 6.7% can discolor the bromine water

Physical Properties

Melting point, °C . - 95.0

Boiling range, °C 74.0~75.0

refractive index 1.401

Density 1.0655 g/mL

Specification

Appearance	Colorless transparent liquid
Identification	Positive
Assay, %	≥99.9
Water, Wt.-%	≤0.05
Peroxide, %	≤0.005
Density, g/ml	1.050~1.070
Freezing point, °C	≥-26.0

Applications

1,3-Dioxolane is a good organic solvent, used as a :

- 1)Solvent to extract oil and fat
- 2)Lithium battery electrolytic solvent
- 3)Chloride solvent base stability And etc

Packaging

200kg per plastic or iron drum.

16MT per 20ft container

Storage & Handling

Keep away from heat.

Keep away from sources of ignition.

Ground all equipment containing material.

Do not ingest.

Do not breathe gas/fumes/ vapour/spray.

Avoid contact with skin Wear suitable protective clothing

In case of insufficient ventilation, wear suitable respiratory equipment

If ingested, seek medical advice immediately and show the container or the label.

Keep away from incompatibles such as oxidizing agents.