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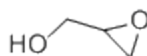
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Technical Data Sheet

Glycidol

Product Information

Chemical Name	Glycidol
CAS #	556-52-5
Formula	C3H6O2
Molecular Weight	74.08
Synonyms	GLYCEROLGLYCIDE;(+/-)-GLYCIDOL;GLYCIDOL;GLYCEROLGLYCIDE;3-HYDROXY-1,2-EPOXYPROPANE;3-HYDROXYPROPYLENE OXIDE;2,3-EPOXY-1-PROPANOL;2,3-EPOXYPROPAN-1-OL
Chemical Structure	



Description

Colorless and almost odorless liquid. With water, alcohols, ether, benzene, toluene, chloroform and other immiscible, partially soluble in xylene, four vinyl chloride, 1, 1, three chlorine ethane, hardly soluble in aliphatic and alicyclic hydrocarbon

Physical Properties

Melting point	-54 °C
Boiling point	61-62 C15 mm Hg (lit.)
Density	1.117 g/mL at 25 C (lit.)
Vapor density	2.15 (vs air)
Vapor pressure	0.9 mm Hg (25 DEG C)
Refractive index	n20/D 1.433 (lit.)
Flash point	178 DEG F

Specification

Item	Specification
Appearance	Colorless to light yellow to transparent liquid
Assay (on dry basis), %	≥ 97.0
Moisture, %	≤ 0.50

Safety

Always refer to the Material Safety Data Sheet (MSDS)

Applications

- 1,Used as a stabilizer for natural oils and vinyl polymers, demulsifier, and dyeing layered agents for surface coatings, chemical synthesis, fungicides, etc.
- 2,Mainly used as epoxy resin diluent, plastic and fiber modifier, halogenated hydrocarbon stabilizer, food preservative, fungicide, refrigeration system desiccant and aromatics extraction agent, etc.. Glycidyl derivatives are resins, plastics, pharmaceuticals, pesticides and additives and other industrial raw materials.
- 3,An important fine chemical raw material used as a stabilizer for natural oils and vinyl polymers, demulsifier, and dyeing layered agents, as well as intermediates for the synthesis of glycerol and glycidyl ethers (amines). Can be used for surface coatings, chemical synthesis, pharmaceuticals, pharmaceutical chemicals, fungicides and solid fuels gel.

Packaging

- 200L per drum
- 16mt per 20ft container

Storage & Handling

- Do not store in direct sunlight. Store in a tightly closed container.
- Store in a cool, dry, well-ventilated area away from incompatible substances.
- Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation.
- Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Keep container tightly closed.
- Avoid ingestion and inhalation.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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