

Foreverest Resources Ltd

Guaiazulene

99.5%

Guaiazulene, also 1,4-dimethyl-7-isopropylazulene, is a dark blue crystalline hydrocarbon. It is a bicyclic sesquiterpene that is a constituent of some essential oils, mainly oil of guaiac and chamomile oil. With the function of anti-inflammatory and promoting tissue regeneration that promotes burn healing. Guaiazulene is widely used in medical field.

Substance Identification

Synonyms	Guaiazulenum Azulen-Beris 1,4-Dimethyl-7-isopropylazulene
CAS	N/A
EINECS	207-701-2

FEMA	N/A
HS.CODE	291000
Molecular Formula	C15H18
Molecular Weight	198.3

LD50 oral, rat	1550mg/kg
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Application & Uses

- API for burn ointments, skin inflammation ointments
- used as red-absorbing conjugated materials
- used as organic UV filters
- used as anti-inflammatory agents for low-allergenicity cosmetic products
- used as color additives for hair dye
- used as antioxidants that can eliminate hydroxyl radicals and inhibit lipid peroxidation in rat liver microsomal membranes

Features & Benefits

- It turns into oily liquid when the temperature exceeds 28°C.

- Guaiazulene is an U.S. FDA-approved cosmetic color additive. It - or its 3-sulfonate - is a component of some skin care products together with other skin soothing compounds such as allantoin.
- Guaiazulene is photosensitive, which producing reactive oxygen species (ROS), such as superoxide radicals, when exposed to prolonged light.

Sales Specification

ITEM	VALUE
Appearance	dark blue crystal or viscous liquid
Freezing Point, °C	30 min
Purity, @GC, %	99.5 min
Moisture Content, %	0.1 max
LD50 oral, rat	1550mg/kg

Package

- Aluminum Drum, 25/50 kg net each

GHS Hazard Statements

H-Code	H302
P-Code	P264/270
Response	P301+P312+P330
Storage	No data available
Disposal	P501

UN Number: UN 1993 3/PG 3 | S-phrases: S36/37/39-S26-S22 | R-phrases: R22

Storage

- Keep in a cool, well-ventilated place. The storage temperature cannot be higher than 28°C
- Store away from light
- Flammable materials should be stored in a separate safety storage cabinet or room
- Ground all equipment containing material
- Keep away from heat
- Keep away from sources of ignition
- Keep container tightly closed

Relation Articles

- [Guaiazulene, Azulene and its derivatives, a class of ancient compounds should be endowed with new chemical applications](#)
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Remark

The above information is believed to be accurate and presents the best explanation currently available to us. We assume no liability resulting from above content. The technical standards are formulated and revised by customers' requirement and us, if there are any changes, the latest specification will be executed and confirmed in the contract.

Manage consent