



SAFETY DATA SHEET (SDS)

Prepared in accordance with the Globally Harmonized System (GHS) and Regulation (EC) No. 1907/2006 (REACH, as amended)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND COMPANY

1.1 Product Identifier

Parameter	Details
Product Name:	Oakmoss Absolute Low Atranol 50% TEC
Botanical Source:	<i>Evernia prunastri</i> (L.) Ach.
INCI Name:	Evernia Prunastri (Oakmoss) Extract
CAS Number (Oakmoss Extract):	90028-68-5
EC Number:	289-861-3
Diluent:	Triethyl Citrate (TEC)
CAS Number (TEC):	77-93-0
Product Type:	Natural Botanical Extract diluted to 50% in Triethyl Citrate
Extraction Method:	Solvent Extraction followed by Low-Atranol Purification

This material is a 50% dilution of IFRA low-atranol Oakmoss Absolute in Triethyl Citrate (TEC). IFRA-compliant oakmoss extracts are required to contain less than 100 ppm each of atranol and chloroatranol, with dehydroabietic acid not exceeding 0.1%, and no added treemoss.

Supplier

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SECTION 2: HAZARD IDENTIFICATION

2.1 Classification According to Regulation (EC) No. 1272/2008

The following classification is representative for a 50% solution in Triethyl Citrate.



Hazard Class	Category	Hazard Statement
Skin Sensitisation	Category 1	H317
Eye Irritation	Category 2	H319

Signal Word

WARNING

Hazard Statements

- H317: May cause an allergic skin reaction.
- H319: Causes serious eye irritation.

Precautionary Statements

- P261 Avoid breathing vapours or mists.
- P264 Wash thoroughly after handling.
- P272 Contaminated clothing should not leave the workplace.
- P280 Wear protective gloves and eye protection.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.
- P333+P313 If skin irritation or rash occurs: Get medical advice.
- P501 Dispose of contents/container in accordance with local regulations.

2.3 Other Hazards

- May cause allergic skin reactions in sensitised individuals.
- Contains a natural botanical extract.
- Not identified as PBT or vPvB based on available information.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	Approximate Content
Evernia Prunastri (Oakmoss) Extract – Low Atranol	90028-68-5	50%
Triethyl Citrate (TEC)	77-93-0	50%

The oakmoss extract is a purified low-atranol grade intended to meet the IFRA specification for atranol and chloroatranol (<100 ppm each in the extract).

SECTION 4: FIRST AID MEASURES



Inhalation

Move the affected person to fresh air.

Seek medical attention if symptoms persist.

Skin Contact

Wash immediately with soap and water.

Remove contaminated clothing.

Seek medical advice if skin sensitisation develops.

Eye Contact

Flush cautiously with water for at least 15 minutes.

Remove contact lenses if present and easy to do.

Seek medical attention if irritation persists.

Ingestion

Rinse mouth thoroughly with water.

Do not induce vomiting.

Obtain medical advice if unwell.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media:

- Dry chemical powder
- Carbon dioxide
- Alcohol-resistant foam
- Water fog

Hazardous combustion products:

- Carbon monoxide
- Carbon dioxide



- Irritating organic fumes

Firefighters should wear self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- Wear suitable personal protective equipment.
 - Prevent entry into drains and waterways.
 - Absorb with inert material.
 - Collect into suitable waste containers.
 - Wash contaminated area after cleanup.
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SECTION 7: HANDLING AND STORAGE

Handle:

- In well-ventilated areas.
- Avoid unnecessary skin contact.
- Avoid breathing vapours.

Store:

- Between 5 °C and 25 °C
 - In tightly closed original containers
 - Protected from sunlight and moisture
 - Away from strong oxidising agents
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SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Use adequate local exhaust ventilation.

Eye Protection

Chemical safety goggles.

Hand Protection



Nitrile or equivalent chemical-resistant gloves.

Skin Protection

Protective laboratory clothing.

Respiratory Protection

Normally not required where adequate ventilation is provided.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Typical Value
Appearance	Clear to slightly hazy viscous liquid
Colour	Pale yellow to amber
Odour	Mossy, earthy, woody, leathery, forest-like
Relative Density (20 °C)	1.08–1.13
Refractive Index (20 °C)	1.455–1.490
Flash Point	Above 100 °C
Solubility in Water	Insoluble
Solubility in Ethanol	Soluble
Viscosity	Moderate

SECTION 10: STABILITY AND REACTIVITY

Stable under recommended storage conditions.

Avoid:

- Strong oxidising agents
- Excessive heat
- Direct sunlight

Hazardous decomposition products include:

- Carbon monoxide
 - Carbon dioxide
 - Organic smoke
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SECTION 11: TOXICOLOGICAL INFORMATION

Likely routes of exposure:

- Skin
- Eyes
- Inhalation
- Ingestion

Potential health effects:

- May cause allergic skin reactions.
- May cause temporary eye irritation.
- Low acute toxicity under normal industrial use.
- Repeated exposure may increase the risk of sensitisation in susceptible individuals.

SECTION 12: ECOLOGICAL INFORMATION

- Avoid uncontrolled environmental release.
- Poor water solubility.
- No significant ecological hazard expected under normal conditions of use.
- Prevent discharge into drains or waterways.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of product and packaging through an authorised chemical waste contractor.

Do not dispose into drains or the environment.

SECTION 14: TRANSPORT INFORMATION

Item	Status
UN Number	Not regulated
Proper Shipping Name	Not regulated
Transport Hazard Class	Not regulated
Packing Group	Not applicable
Marine Pollutant	No

Transport classification should always be confirmed using the batch-specific SDS.

SECTION 15: REGULATORY INFORMATION



Prepared with reference to:

- Regulation (EC) No. 1907/2006 (REACH)
- Regulation (EU) 2020/878
- Regulation (EC) No. 1272/2008 (CLP)
- Regulation (EC) No. 1223/2009 (Cosmetic Products)
- IFRA 51st Amendment

This material is formulated using an IFRA low-atranol oakmoss extract, meaning the purified extract is intended to comply with the IFRA specification for atranol and chloroatranol (<100 ppm each), dehydroabietic acid ($\leq 0.1\%$), and no added treemoss. Finished-product use must still comply with the applicable IFRA category limits.

SECTION 16: OTHER INFORMATION

Recommended Shelf Life

24 months from the date of manufacture when stored unopened under recommended conditions.

Storage Recommendation

Store between 5 °C and 25 °C in tightly sealed original containers, protected from heat, direct sunlight and moisture.

Disclaimer

This Safety Data Sheet has been prepared using representative technical information for Oakmoss Absolute Low Atranol 50% in Triethyl Citrate (TEC). Physical and analytical properties may vary slightly between production batches. The information provided is intended solely as guidance for the safe handling, storage, transport and use of this product and does not constitute a product specification or guarantee of suitability for any particular application.

AUTHORISED BY

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