



SAFETY DATA SHEET (SDS)

According to Regulation (EC) No. 1907/2006 (REACH), as amended by Regulation (EU) 2020/878

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

1.1 Product Identifier

Product Name: Barley Roasted Extract

Botanical Name: *Hordeum vulgare* L.

INCI Name: *Hordeum Vulgare* Seed Extract

CAS Number: 85251-64-5

EC Number: 286-476-2

Diluent: Triethyl Citrate (TEC)

Product Type: Natural Extract (40% Roasted Barley Extract in Triethyl Citrate)

Extraction Method: Solvent Extraction

Plant Part: Roasted Grain (Seed)

Country of Origin: India

1.2 Relevant Identified Uses

- Fragrance ingredient
 - Perfumery raw material
 - Cosmetic ingredient
 - For professional use only
-

1.3 Supplier

Aromology Trading LLC

G05 Al Ghazal Building

Nadd Al Hamar

Dubai

United Arab Emirates

Website: www.aromology.com

Email: info@aromology.com

1.4 Emergency Telephone

Refer to the local Poison Centre or emergency medical services.



SECTION 2: HAZARDS IDENTIFICATION

Classification according to Regulation (EC) No. 1272/2008 (CLP)

Based on the composition of 40% Roasted Barley Extract in Triethyl Citrate, the mixture is not classified as hazardous under Regulation (EC) No. 1272/2008 (CLP). Triethyl citrate is not classified as a hazardous substance under CLP, and no hazardous classification has been identified for roasted barley extract at this concentration.

Signal Word

None

Hazard Statements

Not classified as hazardous.

Precautionary Statements

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P280 Wear suitable protective gloves and eye protection during prolonged industrial handling.

P501 Dispose of contents/container in accordance with local regulations.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	Information
Roasted Barley Extract	40%
Botanical Name	<i>Hordeum vulgare</i> L.
CAS Number	85251-64-5
EC Number	286-476-2
Triethyl Citrate (TEC)	40%

The roasted barley extract is obtained from roasted grains of *Hordeum vulgare* and diluted to 40% in natural triethyl citrate for ease of handling and formulation.



SECTION 4: FIRST AID MEASURES

Inhalation

Move the affected person to fresh air.

Seek medical advice if symptoms persist.

Skin Contact

Wash thoroughly with soap and water.

Remove contaminated clothing.

Eye Contact

Rinse immediately with plenty of water for at least 15 minutes.

Seek medical advice if irritation persists.

Ingestion

Rinse mouth.

Do not induce vomiting.

Seek medical advice if symptoms occur.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media:

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

Unsuitable extinguishing media:

- Direct water jet

Hazardous combustion products:



- Carbon monoxide
- Carbon dioxide

Firefighters should wear self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Avoid unnecessary contact with skin and eyes.

Prevent release into drains and waterways.

Absorb with inert absorbent material.

Dispose of according to applicable regulations.

SECTION 7: HANDLING AND STORAGE

Store in tightly closed original containers.

Protect from:

- Heat
- Direct sunlight
- Moisture

Store in a cool, dry and well-ventilated place.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Provide adequate ventilation.

Eye Protection

Safety glasses.

Hand Protection



Chemical-resistant gloves.

Respiratory Protection

Normally not required under recommended conditions of use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Specification
Appearance	Dark brown liquid
Odour	Roasted cereal, caramel, mocha, toasted bread, honey
Physical State	Liquid
Relative Density (20 °C)	1.10–1.16
Refractive Index (20 °C)	1.430–1.445
Flash Point	>150 °C (TEC-based mixture; exact batch value not verified)
Solubility	Insoluble in water; dispersible in alcohol and fragrance oils

The aroma is characterised by roasted cereal, caramel, cocoa, coffee and toasted gourmand notes typical of roasted barley extracts.

SECTION 10: STABILITY AND REACTIVITY

Stable under recommended storage conditions.

Avoid:

- Excessive heat
- Strong oxidising agents

Hazardous decomposition products:

- Carbon monoxide
 - Carbon dioxide.
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SECTION 11: TOXICOLOGICAL INFORMATION

Routes of exposure:



- Skin
- Eyes
- Inhalation
- Ingestion

No significant adverse health effects are expected under normal conditions of professional use.

Avoid prolonged contact with skin and eyes.

SECTION 12: ECOLOGICAL INFORMATION

No specific ecotoxicological hazards have been identified for this mixture.

Avoid unnecessary release into the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of product and packaging in accordance with local, regional and national regulations.

SECTION 14: TRANSPORT INFORMATION

UN Number: Not regulated

ADR/RID: Not regulated

IMDG: Not regulated

IATA: Not regulated

Packing Group: Not applicable

Marine Pollutant: No

SECTION 15: REGULATORY INFORMATION



Botanical Name: *Hordeum vulgare* L.

INCI Name: *Hordeum Vulgare* Seed Extract

CAS Number (Extract): 85251-64-5

EC Number (Extract): 286-476-2

CAS Number (TEC): 77-93-0

EC Number (TEC): 201-070-7

Intended Use: Fragrance ingredient and perfumery raw material.

SECTION 16: OTHER INFORMATION

This Safety Data Sheet has been prepared using published technical information for Roasted Barley Extract, Aromology product information for Barley Roasted Extract 40% TEC, and regulatory data for Triethyl Citrate (TEC). Unlike ethanol-based versions of this material, the TEC-diluted product is not classified as a highly flammable mixture.

Authorized by

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Director
Aromology Trading LLC