



SAFETY DATA SHEET (SDS)

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

Chocovan TEC AB 7244C

SECTION 1: Identification of the Substance or Mixture and Supplier

1.1 Product Identifier

Item	Details
Product Name	Chocovan TEC AB
Product Code	7244C
Manufacturer	Givaudan SA
Alternative Name	Chocovan®, Chocolate Specialty Base
Product Type	Proprietary fragrance base
Chemical Nature	Mixture of fragrance ingredients in triethyl citrate
CAS Number	Proprietary mixture
EC Number	Not applicable to mixture
INCI Name	Parfum
Physical Form	Liquid
Odour Profile	Cocoa, vanilla, powdery chocolate, sweet and creamy

1.2 Relevant Identified Uses

- Professional perfumery
- Fine-fragrance formulation
- Cosmetic fragrance compounds
- Personal-care fragrance
- Soap and detergent fragrance
- Home-fragrance products
- Candles and air-care formulations
- Gourmand, cocoa, vanilla and chocolate accords

1.3 Uses Advised Against

- Internal consumption
- Food or flavour use unless separately certified
- Pharmaceutical use
- Direct undiluted application to skin
- Use by untrained consumers
- Use in children's products without a suitable safety assessment



1.4 Supplier Details

Aromology Trading LLC
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SECTION 2: Hazard Identification

2.1 Classification of the Mixture

The official Givaudan classification must be taken from the current manufacturer-issued SDS.

Pending access to the confidential formula and official classification, the product should be handled conservatively as:

- Skin Sensitisation — Category 1
- Eye Irritation — Category 2
- Hazardous to the Aquatic Environment, Chronic — Category 3

Depending on the exact composition, additional classifications may apply.

2.2 Label Elements

Signal Word

Warning

Representative Hazard Statements

- H317: May cause an allergic skin reaction.
- H319: Causes serious eye irritation.
- H412: Harmful to aquatic life with long lasting effects.

Precautionary Statements

- P261: Avoid breathing vapour or mist.
- P264: Wash hands thoroughly after handling.
- P272: Contaminated work clothing should not be allowed out of the workplace.
- P273: Avoid release to the environment.
- P280: Wear protective gloves and eye protection.
- P302+P352: IF ON SKIN: Wash with plenty of soap and water.
- P333+P313: If skin irritation or rash occurs: Get medical advice.



- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P337+P313: If eye irritation persists: Get medical advice.
- P501: Dispose of contents and container according to applicable regulations.

2.3 Other Hazards

- Contains a proprietary combination of fragrance ingredients.
- May contain ingredients capable of causing allergic reactions in susceptible individuals.
- Spilled product may create slippery surfaces.
- Heating may generate irritating vapours.
- The product is not intended for direct application as supplied.
- Final classification may vary according to production revision or regional requirements.

SECTION 3: Composition / Information on Ingredients

3.1 Chemical Nature

Proprietary fragrance mixture diluted or formulated in **triethyl citrate (TEC)**.

Component	CAS Number	Representative Concentration
Triethyl Citrate	77-93-0	Proprietary
Vanillin	121-33-5	Proprietary
Cocoa, chocolate and gourmand fragrance materials	Proprietary	Proprietary
Additional aroma chemicals and modifiers	Proprietary	Proprietary
Stabiliser or antioxidant, where used	Proprietary	Proprietary

The precise composition and concentration ranges are confidential Givaudan information.

3.2 Representative Fragrance Components

Public technical descriptions indicate that the base is built around a strong vanillic component and additional chocolate, cocoa and creamy gourmand materials.

Potential representative constituents may include:

- Vanillin
- Isobutavan® or related vanillic materials
- 3-Methylbutanal or related cocoa-type aldehydes
- Lactonic or creamy modifiers
- Powdery floral modifiers
- Sweet balsamic materials
- Proprietary Givaudan specialty ingredients



The list above is descriptive and must not be interpreted as a complete formulation disclosure.

SECTION 4: First-Aid Measures

4.1 Description of First-Aid Measures

Inhalation

Move the affected person to fresh air.

Keep the person at rest.

Seek medical attention if coughing, dizziness, headache or respiratory discomfort persists.

Skin Contact

Remove contaminated clothing.

Wash affected skin thoroughly with soap and water.

Seek medical advice if irritation, redness or rash develops.

Wash contaminated clothing before reuse.

Eye Contact

Rinse cautiously with clean water for at least 15 minutes.

Remove contact lenses if present and easy to do.

Continue rinsing and obtain medical advice if irritation persists.

Ingestion

Rinse the mouth thoroughly.

Do not induce vomiting unless instructed by medical personnel.

Seek medical advice if a significant quantity has been swallowed or symptoms develop.

Never give anything by mouth to an unconscious person.

4.2 Most Important Symptoms and Effects

Possible symptoms include:

- Skin redness or irritation
- Allergic skin reaction
- Eye irritation, watering or redness
- Headache or nausea following excessive vapour exposure
- Gastrointestinal discomfort following ingestion

4.3 Immediate Medical Attention

Treat symptomatically.

Provide the attending physician with the product label and this SDS.

SECTION 5: Fire-Fighting Measures



5.1 Suitable Extinguishing Media

Use:

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

5.2 Unsuitable Extinguishing Media

Do not use a direct high-pressure water jet.

5.3 Specific Hazards

The product may burn when strongly heated.

Combustion or thermal decomposition may produce:

- Carbon monoxide
- Carbon dioxide
- Irritating smoke
- Organic aldehydes
- Unidentified decomposition vapours

5.4 Advice for Firefighters

Wear:

- Self-contained breathing apparatus
- Full protective firefighting clothing

Cool exposed containers with water spray.

Prevent contaminated firefighting water from entering drains or waterways.

SECTION 6: Accidental Release Measures

6.1 Personal Precautions

- Ensure adequate ventilation.
- Avoid skin and eye contact.
- Avoid breathing vapour or mist.
- Wear protective gloves and goggles.
- Keep unnecessary personnel away.



- Remove ignition sources where appropriate.
- Exercise caution because spilled material may be slippery.

6.2 Environmental Precautions

Prevent entry into:

- Drains
- Sewers
- Surface water
- Groundwater
- Soil

Notify relevant authorities if a significant environmental release occurs.

6.3 Methods for Containment and Cleaning

Contain and absorb using:

- Sand
- Vermiculite
- Earth
- Universal absorbent
- Other inert absorbent material

Collect into a labelled waste container.

Clean the remaining surface with water and suitable detergent.

SECTION 7: Handling and Storage

7.1 Safe Handling

- Use in a well-ventilated area.
- Avoid breathing vapours or mist.
- Avoid contact with skin, eyes and clothing.
- Wear suitable protective equipment.
- Do not eat, drink or smoke while handling.
- Wash hands thoroughly after use.
- Keep containers closed when not in use.
- Use clean, dry and compatible dispensing equipment.
- Prevent contamination with water or foreign materials.

7.2 Storage Conditions



Store:

- In the original tightly closed container
- At approximately 15–25 °C
- In a cool, dry and well-ventilated place
- Protected from direct sunlight
- Away from excessive heat
- Away from strong oxidising agents
- Away from strong acids and bases
- Away from food and beverages

7.3 Packaging Compatibility

Suitable packaging may include:

- Amber glass
- Lacquered aluminium
- Stainless steel
- Compatible fluorinated plastic
- Manufacturer-approved HDPE

Bulk compatibility should be confirmed before long-term storage.

SECTION 8: Exposure Controls / Personal Protection

8.1 Control Parameters

No product-specific occupational exposure limit has been established for the complete proprietary mixture.

Exposure limits applicable to individual confidential constituents must be taken from the official Givaudan SDS.

8.2 Engineering Controls

Provide:

- Adequate general ventilation
- Local exhaust ventilation during bulk handling
- Eyewash facilities
- Safety shower facilities

8.3 Personal Protective Equipment

Eye and Face Protection



Wear chemical safety goggles.

Use a face shield where splashing is likely.

Hand Protection

Wear chemical-resistant gloves such as:

- Nitrile rubber
- Neoprene
- Other gloves approved for fragrance compounds and triethyl citrate

Confirm glove breakthrough time with the glove manufacturer.

Skin Protection

Wear suitable protective clothing during bulk handling.

Respiratory Protection

Normally not required under adequate ventilation.

Where vapour, mist or heated product is generated, use an approved organic-vapour respirator.

Hygiene Measures

- Wash thoroughly after handling.
- Remove contaminated clothing promptly.
- Keep food and beverages away from the work area.
- Do not reuse contaminated clothing until cleaned.

SECTION 9: Physical and Chemical Properties

Property	Representative Information
Physical State	Liquid
Appearance	Clear, colourless to pale yellow or amber liquid
Odour	Sweet cocoa, chocolate, vanilla, creamy and powdery
Odour Threshold	Not determined
Relative Density at 20 °C	Approximately 1.14, supplier dependent
Refractive Index at 20 °C	Batch-specific
Flash Point	Approximately 100 °C, representative
Initial Boiling Point	Not determined for mixture
Melting/Freezing Point	Not determined
Water Solubility	Insoluble or slightly dispersible



Solubility in Ethanol	Soluble
Vapour Pressure	Low at ambient temperature
Evaporation Rate	Slow
Viscosity	Low to moderate
pH	Not applicable
Auto-Ignition Temperature	Not determined
Explosive Properties	Not expected under normal conditions
Oxidising Properties	Not classified as oxidising
Partition Coefficient	Not determined for mixture

Public technical sources describe Chocovan as a colourless-to-yellow liquid with a density around 1.141 and flash point close to 100°C.

SECTION 10: Stability and Reactivity

10.1 Reactivity

No hazardous reaction is expected under normal storage and handling conditions.

10.2 Chemical Stability

Stable when stored in a tightly closed container protected from heat, light and air.

10.3 Possibility of Hazardous Reactions

Hazardous polymerisation is not expected.

Reaction may occur with strong oxidising agents.

10.4 Conditions to Avoid

Avoid:

- Excessive heat
- Direct sunlight
- Open flames
- Prolonged air exposure
- Contamination with incompatible materials

10.5 Incompatible Materials

- Strong oxidising agents
- Strong acids
- Strong alkalis



- Reactive halogenating materials

10.6 Hazardous Decomposition Products

Thermal decomposition may produce:

- Carbon monoxide
 - Carbon dioxide
 - Irritating aldehydes
 - Organic smoke and fumes
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SECTION 11: Toxicological Information

11.1 Likely Routes of Exposure

- Skin contact
- Eye contact
- Inhalation
- Ingestion

11.2 Acute Toxicity

No complete mixture-specific acute toxicity data are publicly available.

The product is not expected to present high acute toxicity under normal professional handling conditions, subject to confirmation from the official manufacturer SDS.

11.3 Skin Corrosion/Irritation

Prolonged or repeated contact may cause irritation.

11.4 Serious Eye Damage/Irritation

Direct contact may cause eye irritation.

11.5 Respiratory or Skin Sensitisation

The product may cause an allergic skin reaction in susceptible individuals.

11.6 Germ-Cell Mutagenicity

Insufficient mixture-specific information is available for classification.

11.7 Carcinogenicity



No classification is assigned in this representative SDS.

11.8 Reproductive Toxicity

Insufficient mixture-specific information is available for classification.

11.9 Specific Target Organ Toxicity

No mixture-specific classification is assigned.

11.10 Aspiration Hazard

Not expected to meet aspiration-hazard criteria based on its carrier and representative viscosity, subject to official manufacturer confirmation.

11.11 Symptoms Related to Exposure

Possible symptoms include:

- Skin redness
- Itching or rash
- Eye irritation
- Headache
- Nausea
- Respiratory discomfort from concentrated heated vapour

SECTION 12: Ecological Information

12.1 Ecotoxicity

Complete mixture-specific ecotoxicological data are not publicly available.

Avoid release of concentrated product into the environment.

12.2 Persistence and Degradability

Some components are expected to be biodegradable.

The complete mixture has not been fully evaluated.

12.3 Bioaccumulative Potential

Some fragrance constituents may have bioaccumulative potential.

12.4 Mobility in Soil



Mobility varies according to individual mixture components.

12.5 PBT and vPvB Assessment

The complete mixture has not been publicly assessed for PBT or vPvB properties.

12.6 Other Adverse Effects

Large releases may affect aquatic organisms and wastewater-treatment systems.

SECTION 13: Disposal Considerations

Dispose of the product through an authorised chemical-waste contractor.

Do not:

- Pour concentrated product into drains
- Discharge into waterways
- Dispose of with normal household waste
- Burn in an uncontrolled environment

Empty containers may retain hazardous residue.

Dispose of contents and packaging according to applicable local, regional and national regulations.

SECTION 14: Transport Information

Based on the representative flash point and publicly available information, the product may not be regulated as dangerous goods for transport. Final transport classification must be taken from the official Givaudan SDS.

Transport Information	Representative Classification
UN Number	Not assigned / manufacturer confirmation required
UN Proper Shipping Name	Not regulated, subject to official classification
Transport Hazard Class	Not applicable unless otherwise classified
Packing Group	Not applicable
Environmental Hazard	Supplier-specific
Marine Pollutant	Supplier-specific
Special Precautions	Protect from heat, leakage and physical damage

**ADR/RID**

Refer to current manufacturer SDS.

IMDG

Refer to current manufacturer SDS.

IATA/ICAO

Refer to current manufacturer SDS.

SECTION 15: Regulatory Information

This SDS has been prepared with reference to:

- Regulation (EC) No. 1907/2006 concerning REACH
- Regulation (EC) No. 1272/2008 concerning CLP
- Commission Regulation (EU) 2020/878
- OSHA Hazard Communication Standard, 29 CFR 1910.1200
- Applicable ADR, IMDG and IATA transport provisions

Because the formulation is proprietary, the complete regulatory inventory status and classified constituent disclosure must be obtained from Givaudan.

SECTION 16: Other Information**Product Description**

Chocovan TEC AB 7244C is a proprietary Givaudan fragrance specialty designed to provide a rich cocoa note with warm vanilla, creamy gourmand and dry powdery chocolate effects. Public product information identifies it as a fragrance mixture rather than a single chemical and describes it as suitable for chocolate, cocoa, vanilla, gourmand and ambery accords.

Abbreviations

- **TEC:** Triethyl Citrate
- **CLP:** Classification, Labelling and Packaging Regulation
- **REACH:** Registration, Evaluation, Authorisation and Restriction of Chemicals
- **PBT:** Persistent, Bioaccumulative and Toxic
- **vPvB:** Very Persistent and Very Bioaccumulative
- **ADR:** European Agreement concerning road transport of dangerous goods
- **IMDG:** International Maritime Dangerous Goods Code
- **IATA:** International Air Transport Association

Important Qualification



This document is a professional supplier SDS template based on publicly available technical information for Chocovan TEC AB 7244C – Givaudan.

It is not an original Givaudan Safety Data Sheet.

The final commercial SDS should be verified against:

- The current Givaudan manufacturer-issued SDS
- The exact batch and product code
- The confidential formulation
- Regional classification requirements
- Official transport classification
- Current allergen and IFRA documentation

The information provided does not constitute a product specification or guarantee. Users remain responsible for determining suitability, safe handling and regulatory compliance for their intended application.

Authorised by
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