

SECTION 1 – Identification of Product and Manufacturer

Trade name: COUNTERACTANT FORMULA CONCENTRATE

Application of the preparation: fragrance, flavor or cosmetic ingredient

Manufacturer/Supplier: Thornell Corporation
PO Box 363
100 James St
Smithville MO 64089

Further information obtainable from: email:

Information in case of emergency: +1-888-873-3442

During business hours: +1-816-873-3342

SECTION 2 – Hazards Identification

Non-flammable

Any liquid with a flash point greater than 35 C (95 F) which is in a water-miscible solution with a water content of more than 90 percent by mass

2.1 CLASSIFICATION OF THE SUBSTANCE:

2.1.1 Under EC Regulation 1272/2008 as amended (“CLP”)

Skin sensitization, Category 1, H317

2.2 LABEL ELEMENTS

2.2.1 Under EC Regulation 1272/2008 as amended (“CLP”)

Signal Word: WARNING

Pictograms:



Hazard Statements:

H317: May cause an allergic skin reaction.

Precaution Statements:

P101: If medical advice is needed, have product container or label at hand.

P103: Read label before use.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302 + P352: IF ON SKIN: Wash with plenty of water.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501: Dispose of contents/container to in accordance with local/regional/national/international regulations.

SECTION 3 – Composition/Information on Ingredients

Level	CAS Nr	EC NO	Name	GHS Hazards	GHS_CODES
1 - 10%	68439-46-3	614-482-0	Alcohols, C9-11, ethoxylated	ATO 4;H302,EDI 1;H318,EH A2;H401	H302; H318; H401
1 - 10%	67-63-0	200-661-7	Isopropyl alcohol	FL 2;H225,EDI 2A;H319,STO-SE 3;H336	H225; H319; H336
1 - 10%	8022-15-9	294-470-6	Lavandin oil	FL 4;H227,EDI 1;H318,SS 1B;H317,AH 1;H304,EH A3;H402,EH C3;H412	H227;H304;H317;H318;H412
0.1 - 1%	8000-27-9	285-370-3	Cedarwood oil, Virginian	SCI 3;H316,AH 1;H304,EH A1;H400,EH C1;H410	H304;H316;H410
0.1 - 1%	91-64-5	202-086-7	Coumarin	ATO 4;H302,SS 1B;H317,EH A3;H402	H302; H317; H402
0.1 - 1%	97-53-0	202-589-1	Eugenol	ATO 5;H303,SCI 3;H316,EDI 2A;H319,SS 1B;H317,EH A2;H401	H303; H316; H317; H319; H401
0.1 - 1%	68647-72-3	232-433-8	Orange oil, sweet terpenes	AH 1,EH A2,EH C2,FL 3,SCI 2,SS 1	H226,H304,H315,H317,H401,H411
0.1 - 1%	8000-25-7	283-291-9	Rosemary oil	FL 3;H226,SCI 2;H315,EDI 2A;H319,SS 1B;H317,STO-SE 2;H371,AH 1;H304,EH A2;H401,EH C2;H411	H226;H304;H315;H317;H319;H371 ;H411

SECTION 4 – First-aid Measures

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Immediately wash with soap and water and rinse thoroughly. Remove soiled clothing. Then consult a doctor.

After eye contact: Immediately rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing: Make victim drink plenty of water; avoid vomiting (risk of perforation!). Immediately call a doctor. Do not attempt to neutralize.

SECTION 5 – Fire-fighting Measures

Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Use fire-extinguishing methods suitable to surrounding conditions.

Special hazards caused by the substance, its products of combustion or resulting gases: In case of fire, the following can be released:

- Hazardous vapors
- Carbon Dioxide, Carbon Monoxide

Protective equipment: Wear full protective suit and self-contained respiratory protective device.

Additional information: n/a

SECTION 6 – Accidental Release Measures

Person-related safety precautions: Isolate spillage and clean up immediately. Refer to Sections 7 & 8 for protective measures when handling the spillage.

Measures for environmental protection:

Do not allow liquid to enter sewers/surface or ground water.

Measures for cleaning/collecting: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste according to Section 13. Rinse off area with water.

SECTION 7 – Handling and Storage

Information for safe handling:

- Observe the general safety regulations when handling chemicals.
- Avoid contact with the eyes, skin and mucous membranes.
- Avoid inhalation.

Storage: Store in original container at or below 25°C.

Requirements to be met by storerooms and receptacles: No special requirements.

SECTION 8 – Exposure Controls and Personal Protection

Ingredients with limit values that require monitoring in the workplace: none

Additional information: n/a

Personal protective equipment: gloves, safety glasses

General protective and hygienic measures:

Follow Good Laboratory and Manufacturing Practices (GLP/GMP).
Wash hands before breaks and at the end of work.

Protection of hands: Disposable gloves

Material of gloves: Latex/Natural rubber (NR)

Penetration time of glove material: Gloves providing minimal protection are sufficient when the product is handled in accordance with the instructions for use.

Eye protection: Safety glasses

Body protection: Lab coat

Respiratory protection: NIOSH-approved organic vapor respiration or equivalent.

SECTION 9 – Physical and Chemical Properties

9.1 General Information

Form: clear liquid

Color: light yellow

Odor: To match standard

9.2 Change in condition

Melting point/Melting range: n/f ° C

Boiling point/Boiling range: n/f ° C

Flash point: 117° F

Self-igniting: will not self-ignite.

Danger of explosion: does not present an explosion hazard.

9.3 Physical Properties

Vapor pressure: <1 mm Hg @ 20°C

Density at 20°C: n/d g/cc @ 20°C

Refractive Index: n/d @ 25°C

Solubility in/Miscibility with water: soluble

pH-value at 20°C: not applicable

VOC content: ~3%

SECTION 10 – Stability and Reactivity

Stability: stable when stored in accordance with the recommended storage conditions.

Materials to be avoided:

Oxidizers

Strong acids or bases

Hazardous reactions: No dangerous reactions known.

Hazardous decomposition products: CO₂, CO

SECTION 11 – Toxicological Information

Acute toxicity:

LD/LC50 values relevant for classification:

Calculated LD₅₀: >2000 mg/kg (rat, oral, calculated from 100% of ingredients)

Primary effects:

After skin contact: irritation

After eye contact: irritation

After ingestion: nausea

Sensitization: may cause sensitization (EU fragrance allergens at >0.099% are listed in Section 3)

Chronic Toxicity: Not known

Not listed as a carcinogen by NTP or IARC

SECTION 12 – Ecological Information

Ecotoxic effects: not tested

Aquatic toxicity: not tested

SECTION 13 – Disposal Considerations

Product:

Chemical residues and remains should be routinely handled as special waste. This must be disposed of in compliance with anti-pollution and other laws of the country concerned. To ensure compliance we recommend that you contact the relevant (local) authorities and/or an approved waste-disposal company for information.

European waste catalogue:

07 07 04 other organic solvents, washing liquids and mother liquors

Packaging:

Disposal must be made in accordance with local waste management regulations. Contaminated packaging must be disposed of in the same manner as the product. Non-contaminated packaging materials may be recycled. Contact your local service providers for further information.

SECTION 14 – Transportation Information**CFR 173.120 Class 3 Non-flammable**

(5) Any liquid with a flash point greater than 35 C (95 F) which is in a water-miscible solution with a water content of more than 90 percent by mass

SECTION 15 – Regulatory Information

Labeling according to EU guidelines: see Section 2

Code letter and hazard designation of product: see Section 2

Contains the following substance(s) reportable under TSCA §313 (SARA Title III): none

SECTION 16 – Other Information**16.1 Revisions**

Initially Prepared: December 14, 2021

16.2 Key literature references

RIFM Database

OECD SIDS

Supplier documents

ECHA

IFRA/IOFI Labeling Manual

16.3 Other

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

The format of this safety data sheet complies with Annex II of EU Regulation 1907/2006 (REACH) and ECHA “Guidance on the Compilation of Safety Data Sheets”, version 3.0, August 2015.

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