

MATERIAL SAFETY DATA SHEET

Number:**Date prepared:** January 10, 2011**Date Revised:****1. Chemical Product and Company Identification****Product code:** -**Product name:** Coe Comfort Liquid**Company Identification:**GC America Inc., 3737 W. 127th Street, Alsip, IL 60803

Phone 1-708-597-0900

2. Composition/Data on Components**· Chemical characterization****· Description:** Mixture: consisting of the following components.**· Dangerous components:**

CAS: 120-51-4

EINECS: 204-402-9

Benzyl benzoate - Warning: 3.1.O/4 65.6%

CAS: 64-17-5

EINECS: 200-578-6

ethyl alcohol - Danger: 2.6/2 7.03%

3. Hazards Identification**· Hazard description:**

Harmful

Highly flammable

· Information pertaining to particular dangers for man and environment:

The product has to be labeled due to the calculation procedure of international guidelines.

Highly flammable.

Harmful if swallowed.

May cause sensitization by skin contact.

· Classification system:

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

· NFPA ratings (scale 0 - 4)

Health = 2

Fire = 3

Reactivity = 0

· HMIS-ratings (scale 0 - 4)

Health = 2

Fire = 3

Reactivity = 0

· GHS label elements**Danger**

2.6/2 - Highly flammable liquid and vapour.

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Warning

3.1/4 - Harmful if swallowed.

Prevention:

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Use explosion-proof electrical/ventilating/lighting/equipment.

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

Ground/bond container and receiving equipment.

Response:

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

Disposal:

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

4. First Aid Measures**General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation:

Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation.

After skin contact: Immediately wash with water and soap and rinse thoroughly.

After eye contact: Rinse opened eye for several minutes under running water.

After swallowing: Immediately call a doctor.

5. Fire Fighting Measures

Suitable extinguishing agents: CO₂, sand, extinguishing powder. Do not use water.

For safety reasons unsuitable extinguishing agents:

Water

Water with full jet

Protective equipment: No special measures required.

6. Accidental Release Measures

Person-related safety precautions: Wear protective equipment. Keep unprotected persons away.

Measures for environmental protection:

Prevent seepage into sewage system, workpits and cellars.

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

Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

7. Handling and Storage**Handling:**

Information for safe handling:

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Storage:

Requirements to be met by storerooms and receptacles: Store in a cool location.

Information about storage in one common storage facility: Not required.

Further information about storage conditions:

Keep receptacle tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

8. Exposure Controls and Personal Protection

Components with limit values that require monitoring at the workplace:

64-17-5 ethyl alcohol

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PEL	1900 mg/m ³ , 1000 ppm
REL	1900 mg/m ³ , 1000 ppm
TLV	Short-term value: 1880 mg/m ³ , 1000 ppm

· **Personal protective equipment:**· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

· **Breathing equipment:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· **Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· **Eye protection:**

Tightly sealed goggles

9. Physical and Chemical Properties· **General Information**

Form: Fluid

Color: Clear

Odor: sweet odor

· **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: 78°C (172°F)

· **Flash point:** 13°C (55°F)

· **Ignition temperature:** 425°C (797°F)

· **Auto igniting:** Product is not self-igniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Density:** Not determined.

· **Solubility in / Miscibility with**

Water: Slightly soluble.

· **Solvent content:**

Organic solvents: 7.4 %

VOC content: 7.4 %

· **Solids content:** 91.7 %

10. Stability and Reactivity

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

· **Dangerous reactions** No dangerous reactions known.

· **Dangerous products of decomposition:** No dangerous decomposition products known.

11. Toxicological Information

· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

120-51-4 Benzyl benzoate

Oral LD50 - 500 mg/kg (rat)

Dermal LD50 - 4000 mg/kg (rat)

· **Primary irritant effect:**

· **on the skin:** Irritant to skin and mucous membranes.

· **Sensitization:** Sensitization possible through skin contact.

· **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Harmful

Irritant

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12. Ecological Information· **General notes:***Water hazard class 2 (Self-assessment): hazardous for water**Do not allow product to reach ground water, water course or sewage system.**Danger to drinking water if even small quantities leak into the ground.***13. Disposal Considerations**· **Product:***Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.*· **Uncleaned packaging:***Recommendation: Disposal must be made according to official regulations.***14. Transport Information**· **DOT regulations:**· **Hazard class:** 3· **Identification number:** UN1993· **Packing group:** II· **Proper shipping name (technical name):** FLAMMABLE LIQUID, N.O.S. (ETHANOL SOLUTION, ISOPROPYL ALCOHOL)· **Label** 3· **Land transport ADR/RID (cross-border):**· **ADR/RID class:** 3 (F1) Flammable liquids· **Danger code (Kemler):** 33· **UN-Number:** 1993· **Packaging group:** II· **Label:** 3· **Description of goods:** 1993 FLAMMABLE LIQUID, N.O.S. (ETHANOL SOLUTION, ISOPROPYL ALCOHOL)· **Maritime transport IMDG:**· **IMDG Class:** 3· **UN Number:** 1993· **Label** 3· **Packaging group:** II· **EMS Number:** F-E,S-E· **Marine pollutant:** No· **Proper shipping name:** FLAMMABLE LIQUID, N.O.S. (ETHANOL SOLUTION, ISOPROPYL ALCOHOL)· **Air transport ICAO-TI and IATA-DGR:**· **ICAO/IATA Class:** 3· **UN/ID Number:** 1993· **Label** 3· **Packaging group:** II· **Proper shipping name:** FLAMMABLE LIQUID, N.O.S. (ETHANOL SOLUTION, ISOPROPYL ALCOHOL)· **UN "Model Regulation":** UN1993, FLAMMABLE LIQUID, N.O.S., 3, II**15. Regulations**· **Sara**· **Section 355 (extremely hazardous substances):***None of the ingredient is listed.*· **Section 313 (Specific toxic chemical listings):**

67-63-0 isopropyl alcohol

· **TSCA (Toxic Substances Control Act):**

120-51-4 Benzyl benzoate

64-17-5 ethyl alcohol

77-90-7 tributyl O-acetylcitrate

119-36-8 methyl salicylate

67-63-0 isopropyl alcohol

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128-37-0 Dibutylated hydroxytoluene

· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

64-17-5 ethyl alcohol

· **Carcinogen categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **IARC (International Agency for Research on Cancer)**

67-63-0 isopropyl alcohol 3

128-37-0 Dibutylated hydroxytoluene 3

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

64-17-5 ethyl alcohol A3

67-63-0 isopropyl alcohol A4

128-37-0 Dibutylated hydroxytoluene A4

· **MAK (German Maximum Workplace Concentration)**

64-17-5 ethyl alcohol 5

128-37-0 Dibutylated hydroxytoluene 4

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

· **Product related hazard information:**

The product has been classified and marked in accordance with directives on hazardous materials.

· **Hazard symbols:**

Harmful

Highly flammable

· **Hazard-determining components of labeling:**

Benzyl benzoate

· **Risk phrases:**

Highly flammable.

Harmful if swallowed.

May cause sensitization by skin contact.

· **Safety phrases:**

Keep container in a well-ventilated place.

Keep away from sources of ignition - No smoking.

Do not breathe gas/fumes/vapour/spray.

Avoid contact with skin and eyes.

Wear suitable gloves.

This material and its container must be disposed of as hazardous waste.

· **Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

16. Other Information

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labeling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

NFPA: National Fire Protection Association (USA)

MSDS No.

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HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent