

Material Safety Data Sheet
According to 91/155 EC

Printing date 16.03.2000

Reviewed on 16.03.2000

1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Trade name:** COE COMFORT - LIQUID
- **Article number:** 341091
- **Manufacturer/Supplier:**
GC EUROPE N.V.
Interleuvenlaan 13
B-3001 Leuven
+32/16/39.80.50
- **Further information obtainable from:** Technical Operations

2 Composition/information on ingredients

- **Chemical characterization**
- **Description:**
Mixture of substances listed below with nonhazardous additions.

Dangerous components:

84-74-2 dibutyl phthalate Xn, N; R 62-63-50/53	25-50 %
64-17-5 ethanol F; R 11	5-10 %
67-56-1 methanol T, F; R 11-23/25	5-10 %

3 Hazards identification

- **Hazard identification :**



Xn Harmful
F Highly flammable

- **Information concerning particular hazards for human and environment:**
R 11 Highly flammable.
R 20/22 Harmful by inhalation and if swallowed.
- **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

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. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:**
Rinse opened eye for several minutes under running water.
- **After swallowing:** Call for a doctor immediately.

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5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Protective equipment:** Mount respiratory protective device.

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.

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:**
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.
- **Storage class:**
- **Class according to regulation on flammable liquids:** A I

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:**
No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace:

84-74-2 dibutyl phthalate

OEL: Short-term value: 10 mg/m³Long-term value: 5 mg/m³

64-17-5 ethanol

OEL: 1920 mg/m³, 1000 ml/m³

67-56-1 methanol

OEL: Short-term value: 333 mg/m³, 250 ml/m³Long-term value: 266 mg/m³, 200 ml/m³

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- **Additional information:**
The lists valid during the making were used as basis.
- **Personal protective equipment:**

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- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
- **Respiratory protection:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Protection of hands:** Not required.
- **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

- **Form:** Fluid
- **Colour:** Clear
- **Odour:** Odourless
-
- **Change in condition**
- **Melting point/Melting range:** Undetermined.
- **Boiling point/Boiling range:** 78 ° C
- **Flash point:** 13 ° C
- **Ignition temperature:** 390.0 ° C
- **Self-igniting:** Product is not selfigniting.
- **Danger of explosion:**
Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
- **Explosion limits:**
- **Lower:** 0.1 Vol %
- **Upper:** 15.0 Vol %
- **Vapour pressure:** at 20 ° C 59.0 hPa
- **Density:** Not determined.
- **Solubility in / Miscibility with water:** Not miscible or difficult to mix.
- **Solvent content:**
- **Organic solvents:** 14.0 %
- **Solids content:** 86.0 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:**
No dangerous decomposition products known.

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11 Toxicological information

- **Acute toxicity:**

LD/Lc50 values relevant for classification:

84-74-2 dibutyl phthalate

Oral: LD50: 8000 mg/kg (rat)

Dermal: LD50: 20000 mg/kg (rbt)

67-56-1 methanol

Oral: LD50: 13000 mg/kg (rat)

- **Primary irritant effect:**

- **on the skin:** No irritant effect.

- **on the eye:** No irritating effect.

- **Sensitization:** No sensitizing effects known.

- **Additional toxicological information:**

Harmful.

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

12 Ecological information

- **General notes:**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

- **Product:**

- **Recommendation**

Must not be disposed 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

- **Land transport ADR/RID (cross-border)**

- **ADR/RID class:** -

- **Maritime transport IMDG:**

- **Marine pollutant:** No

15 Regulatory information

- **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

- **Code letter and hazard designation of product:**

Xn Harmful

F Highly flammable

- **Risk phrases:**

11 Highly flammable.

20/22 Harmful by inhalation and if swallowed.

- **National regulations:**

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- **Classification according to VbF: A I**

- **Technical instructions (air):**

Class Share in %

II	50.0
III	14.0

- **Waterhazard class:**

Water hazard class 1 (Self-assessment): slightly hazardous for water.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing MSDS:** Technical Operations
- **Contact:** Dr. J.A. Yearn

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