

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name:

CHEMLINQ™ MCL

CHEMLINQ™ MCL-C11| Melamine Transfer Cleaning

CHEMLINQ™ MCL-T11| Melamine Transfer Cleaning

1.2 Relevant identified uses of the substance or mixture and uses advised against

- **Application of the substance / the preparation:** Mold cleaner
- **Uses advised against:** No further relevant information available.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

CAPLINQ Europe BV
De Trompet 1126
1967 DA Heemskerk
The Netherland
+31 20 893 2224
reach@caplinq.com

CAPLINQ Corporation
957 Snowshoe Crescent
Ottawa, ON K1C 2Y3
Canada
+1 (613) 482 2215

1.4 Emergency telephone number: +31 20 893 2224

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Acute Tox. 4 H332 Harmful if inhaled.
Skin Sens. 1 H317 May cause an allergic skin reaction.
Muta. 2 H341 Suspected of causing genetic defects.
Carc. 1B H350 May cause cancer.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS07 GHS08

Signal word Danger

Hazard-determining components of labelling:

formaldehyde
phthalic anhydride

Hazard statements

H332 Harmful if inhaled.
H317 May cause an allergic skin reaction.
H341 Suspected of causing genetic defects.
H350 May cause cancer.

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Precautionary statements

- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P312 Call a POISON CENTER/doctor if you feel unwell.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

Restricted to professional users.

2.3 Other hazards**Results of PBT and vPvB assessment**

- PBT:** Not determined.
- vPvB:** Not determined.

SECTION 3: Composition/information on ingredients

3.2 Mixtures**Dangerous components:**

CAS: 50-00-0	formaldehyde	1 - 3%
EC number: 200-001-8	Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330; Muta. 2, H341;	
Index number: 605-001-00-5	Carc. 1B, H350; Skin Corr. 1B, H314; Skin Sens. 1, H317	
	Specific concentration limits: Skin Corr. 1B; H314: C ≥ 25 %	
	Skin Irrit. 2; H315: 5 % ≤ C < 25 %	
	Eye Irrit. 2; H319: 5 % ≤ C < 25 %	
	Skin Sens. 1; H317: C ≥ 0.2 %	
	STOT SE 3; H335: C ≥ 5 %	

CAS: 85-44-9	phthalic anhydride	0.1 - 1%
EC number: 201-607-5	Resp. Sens. 1, H334; Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Irrit. 2,	
Index number: 607-009-00-4	H315; Skin Sens. 1, H317; STOT SE 3, H335	

- Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures**General information:**

- Take affected persons out of danger area and lay down.
- Immediately remove any clothing soiled by the product.
- In case of irregular breathing or respiratory arrest provide artificial respiration.

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:

- Immediately rinse with water.
- If skin irritation continues, consult a doctor.

After eye contact: Remove contact lenses, if present and easy to do. Continue rinsing.**After swallowing:**

- Rinse out mouth and then drink plenty of water.
- If symptoms persist consult doctor.

4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.**4.3 Indication of any immediate medical attention and special treatment needed**

- No further relevant information available.

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SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **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.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
In case of fire, the following can be released:
Carbon monoxide
Carbon dioxide
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**
Cool endangered receptacles with water spray.
Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation.
Wear protective equipment. Keep unprotected persons away.
Avoid formation of dust.
Keep away from ignition sources.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Pick up mechanically.
Dispose of the material collected according to regulations.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Prevent formation of dust.
Any unavoidable deposit of dust must be regularly removed.
Ensure good ventilation/exhaustion at the workplace.
- **Information about fire and explosion protection:**
Dust can combine with air to form an explosive mixture.
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Store away from oxidising agents.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.
- **7.3 Specific end use(s)** No further relevant information available.

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SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· **Ingredients with limit values that require monitoring at the workplace:**

CAS: 50-00-0 formaldehyde

OEL (Ireland) Short-term value: 0.738 mg/m³, 0.6 ppm
 Long-term value: 0.37 0.62* mg/m³, 0.3 0.5* ppm
 Carc1B, Sens,*healthcare,funeral,embalm.:11.07.24

BOELV (EU) Short-term value: 0.74 mg/m³, 0.6 ppm
 Long-term value: 0.37 (0.62)* mg/m³, 0.3 (0.5)* ppm
 Skin sens;*health/funeral/embalming till 11/7/24

CAS: 85-44-9 phthalic anhydride

OEL (Ireland) Short-term value: 12 mg/m³
 Long-term value: 1 ppm
 Sens

· 8.2 Exposure controls

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures:**

Do not eat, drink, smoke or sniff while working.
 Keep away from foodstuffs, beverages and feed.
 Immediately remove all soiled and contaminated clothing.
 Store protective clothing separately.
 The usual precautionary measures are to be adhered to when handling chemicals.

· **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.

· **Hand protection**



Protective gloves

Only use chemical-protective gloves with CE-labelling of category III.

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

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye/face protection** Safety glasses

· **Body protection:** Protective work clothing

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· **General Information**

· **Physical state**

Solid

· **Form:**

Solid in various forms

· **Colour:**

White

· **Odour:**

Light

· **Odour threshold:**

Not determined.

· **Melting point/freezing point:**

Not determined.

· **Boiling point or initial boiling point and boiling range** Not applicable.

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· Flammability	Not determined.
· Lower and upper explosion limit	
· Lower:	Not applicable.
· Upper:	Not applicable.
· Flash point:	Not applicable.
· Ignition temperature:	Not determined.
· Decomposition temperature:	Not determined.
· pH	Not applicable.
· Viscosity:	
· Kinematic viscosity	Not applicable.
· Dynamic:	Not applicable.
· Solubility	
· water:	Insoluble.
· Partition coefficient n-octanol/water (log value)	
50-00-0 formaldehyde	0,35 logPow @ 25°C
85-44-9 phthalic anhydride	1,6 logPow (Data from peer-reviewed handbook or collection of data)
· Vapour pressure:	Not applicable.
· Density and/or relative density	
· Density:	1.2 - 1.5 g/cm ³
· Relative density	Not determined.
· Vapour density	Not applicable.
· Relative gas density	Not applicable.
· Particle characteristics	See item 3.
· 9.2 Other information	
· Explosive properties:	Product does not present an explosion hazard.
· Oxidising properties	No
· Evaporation rate	Not applicable.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability** No decomposition if used and stored according to specifications.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
 - **Acute toxicity**
Harmful if inhaled.
 - **LD/LC50 values relevant for classification:**
-
- CAS: 85-44-9 phthalic anhydride**
Oral LD50 1530 mg/kg (Rat) (calculation of LD50 according to Fink (1965))
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
 - **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
 - **Respiratory or skin sensitisation**
May cause an allergic skin reaction.
 - **Germ cell mutagenicity**
Suspected of causing genetic defects.
 - **Carcinogenicity**
May cause cancer.
 - **Reproductive toxicity** Based on available data, the classification criteria are not met.

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- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **11.2 Information on other hazards**
- **Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:**

CAS: 50-00-0 formaldehyde

- | | |
|---------------------|---|
| LC50 | 6.9 mg/L (Fish) (OECD Guideline 212, Danio rerio) |
| | 144h |
| LC50 (96h) (static) | 6.7 mg/L (Fish) |
| EC50 (48h) (static) | 5.8 mg/L (Daphnia) (OECD Guideline 202, Daphnia pulex) |
| EC50 (3h) (static) | 19 mg/L (Bacteria) (OECD Guideline 209, activated sludge) |
| EC50 (72h) (static) | 3.48 mg/L (Algae) (OECD Guideline 201, Desmodesmus subspicatus) |
| | nominal |
| NOEC (21d) | ≥ 6.4 mg/L (Daphnia) (OECD Guideline 211, Daphnia magna) |

CAS: 85-44-9 phthalic anhydride

- | | |
|---------------------|--|
| LC50 | 560 mg/L (Fish) (OECD Guideline 210, Danio rerio) |
| | 7d |
| | semi-static |
| | nominal |
| EC50 (48h) (static) | > 640 mg/L (Daphnia) (EPA 660/3-75-009) |
| | nominal |
| EC50 (3h) (static) | > 1000 mg/L (Bacteria) (ISO 8192, activated sludge) |
| | nominal |
| NOEC (21d) | 16 mg/L (Daphnia) (OECD Guideline 211, Daphnia magna) |
| | nominal |
| NOEC | 10 mg/L (Fish) (OECD Guideline 210, Oncorhynchus mykiss) |
| | 60d |
| | semi-static |
| | nominal |
| NOEC (72h) (static) | ≥ 100 mg/L (Algae) (EU Method C.3) |
| | nominal |

- **12.2 Persistence and degradability**

- | | |
|----------------------------|---|
| 50-00-0 formaldehyde | 100 % @ 4d |
| 85-44-9 phthalic anhydride | 85,2 % (14d, guideline corresponds to 301C) |

- **12.3 Bioaccumulative potential**

- | | |
|----------------------|--------------|
| 50-00-0 formaldehyde | < 1 BCF (1h) |
|----------------------|--------------|

- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment** Not determined.
- **12.6 Endocrine disrupting properties**
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects** No further relevant information available.

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SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation:** Must be specially treated adhering to official regulations.
- **Uncleaned packaging**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- **14.1 UN number or ID number**
- **ADR/RID/ADN, IMDG, IATA** Void
- **14.2 UN proper shipping name**
- **ADR/RID/ADN, IMDG, IATA** Void
- **14.3 Transport hazard class(es)**
- **ADR/RID/ADN, IMDG, IATA**
- **Class** Void
- **14.4 Packing group**
- **ADR/RID/ADN, IMDG, IATA** Void
- **14.5 Environmental hazards:** Not applicable.
- **14.6 Special precautions for user** Not applicable.
- **14.7 Maritime transport in bulk according to IMO instruments** Not applicable.
- **Transport/Additional information:** Not dangerous according to the above specifications.
- **UN "Model Regulation":** Void

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 28, 72
- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**
None of the ingredients is listed.
- **REGULATION (EU) 2019/1148**
- **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**
None of the ingredients is listed.
- **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**
None of the ingredients is listed.
- **Regulation (EC) No 273/2004 on drug precursors**
None of the ingredients is listed.
- **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**
None of the ingredients is listed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 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.

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- **Relevant phrases**

- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H311 Toxic in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H330 Fatal if inhaled.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335 May cause respiratory irritation.
- H341 Suspected of causing genetic defects.
- H350 May cause cancer.

- **Date of previous version:** 01.12.2021

- **Version number of previous version:** 2.00

- **Abbreviations and acronyms:**

- REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
 - MARPOL: (from Marine Pollutant) International Convention for the Prevention of Marine Pollution from Ships
 - IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
 - UN: United Nations (also UNO: United Nations Organization)
 - NOEC: No Observed Effect Concentration
 - OECD: Organisation for Economic Co-operation and Development
 - ASTM: American Society for Testing and Materials
 - WAF: Water Accommodated Fraction
 - ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
 - IMDG: International Maritime Code for Dangerous Goods
 - IATA: International Air Transport Association
 - GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 - EINECS: European Inventory of Existing Commercial Chemical Substances
 - ELINCS: European List of Notified Chemical Substances
 - CAS: Chemical Abstracts Service (division of the American Chemical Society)
 - LC50: Lethal concentration, 50 percent
 - LD50: Lethal dose, 50 percent
 - PBT: Persistent, Bioaccumulative and Toxic
 - vPvB: very Persistent and very Bioaccumulative
 - Acute Tox. 3: Acute toxicity – Category 3
 - Acute Tox. 4: Acute toxicity – Category 4
 - Acute Tox. 2: Acute toxicity – Category 2
 - Skin Corr. 1B: Skin corrosion/irritation – Category 1B
 - Skin Irrit. 2: Skin corrosion/irritation – Category 2
 - Eye Dam. 1: Serious eye damage/eye irritation – Category 1
 - Resp. Sens. 1: Respiratory sensitisation – Category 1
 - Skin Sens. 1: Skin sensitisation – Category 1
 - Muta. 2: Germ cell mutagenicity – Category 2
 - Carc. 1B: Carcinogenicity – Category 1B
 - STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
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