

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name	CHEMLINQ™ MCL-T33
Applications:	Melamine Mold Cleaning Compound (Transfer Type)
Advised Against	No further relevant information available
Supplier Name	Capling Europe BV

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SECTION 2. HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE/MIXTURE

Classification according to Regulation (EC) No 1272/2008

Hazard Class

Skin corrosion/irritation
Skin Sensitization
Serious eye damage/eye irritation
Acute toxicity, inhalation
Respiratory Sensitization
Carcinogenicity

Hazard Category

Category 2
Category 1
Category 1
Category 3
Category 1
Category 2

LABEL ELEMENTS

Labeling according to Regulation (EC) No 1272/2008

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

HAZARD PICTOGRAMS



Signal Word

Danger

HAZARD STATEMENTS

H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H331	Toxic if inhaled
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H351	Suspected of causing cancer

PREVENTION PRECAUTIONARY STATEMENTS

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust/fumes/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.

P280
P271Wear protective gloves/protective clothing/eye protection/face protection.
Use only outdoors or in a well-ventilated area**RESPONSE PRECAUTIONARY STATEMENTS**

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, present and easy to do. Continue rinsing.
P308+P313 If exposed or concerned: Get medical advice/attention.
P310 Immediately call a POISON CENTER or doctor/physician.
P321 Specific treatment
P363 Wash contaminated clothing before reuse.
P314 Get medical advice/attention if you feel unwell.
P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician

STORAGE PRECAUTIONARY STATEMENTS

P403 + P233 Store in a well-ventilated place. Keep the container tightly closed.
P405 Store locked up

DISPOSAL PRECAUTIONARY STATEMENTS

P501 Dispose of contents/container to an approved waste disposal plant in accordance with applicable local, state, and national laws

SECTION 3. INGREDIENT COMPOSITION

No.	Components	CAS Reg. No.	Proportion (%)
1	Melamine Resin	9003-08-01	60~80
2	Cellulose powder	9004-34-6	5~15
3	Silica powder	7631-86-9	10~30
4	Wax agents	557-05-1	<1
5	Curing agents	85-44-9	<1

SECTION 4. FIRST AID MEASURES

EYE CONTACT:

- Do not rub your eyes.
- Immediately flush with plenty of water for at least 15 minutes and call a doctor/physician.
- Remove contact lenses if worn.

SKIN CONTACT:

- Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
- Wash contaminated clothing thoroughly before reusing it.
- Seek immediate medical attention from a medical professional.
- Wash hands thoroughly after handling.

INHALATION:

- Move the victim to fresh air.
- Administer oxygen if breathing is difficult.
- Get medical attention.

INGESTION:

- Please advise the doctor whether or not the induction of vomiting is required.
- Rinse your mouth with water immediately.
- Get medical attention immediately.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

- Inform medical personnel of the contamination incident and ensure they utilize appropriate protective equipment.
- In case of exposure or if concerned, seek immediate medical advice or attention.

SECTION 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

- Dry chemical, carbon dioxide, alcohol foam, and water spray.

EXPOSURE HAZARDS

- Water, ammonia, NO_x, and carbon oxides may be generated by thermal decomposition.

ADVICE FOR FIREFIGHTERS

- Restrict access to the area to authorized personnel only.
- Ensure adequate ventilation in enclosed spaces prior to entry.
- If feasible without undue risk, relocate containers from the vicinity of the fire.
- Continuously apply large volumes of water to cool containers until well after the fire is extinguished.
- Avoid inhalation of the material and its combustion byproducts.
- Approach the area from an upwind direction and avoid low-lying locations.

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTION

- If required, notify relevant authorities in accordance with all applicable regulations.
- Establish a leak zone with an appropriately wide perimeter in all directions
- Wear appropriate personal protective equipment (PPE) and avoid inhaling or coming into contact with your eyes and skin.
- Ventilate confined spaces before entry; approach from upwind and evacuate downwind personnel.
- Prevent the generation of dust; eliminate ignition sources.

ENVIRONMENTAL PRECAUTION

- Prevent contamination of soil, drains, and surface water.
- If large amounts have been spilled and split, inform the relevant authorities.

METHODS OF CLEANING**For small spills**

- Collect spilled material in a suitable container for chemical waste disposal.
- Move containers away from the spill to a secure area.

For large spills

- Prevent dust generation by wetting down the spill with water.
- Contain the spill with a dike for later disposal.

Water spills

- Remove spilled material from the water surface by skimming or using appropriate absorbents.
- Place absorbent and other waste in a suitable disposal container.

Dispose of waste according to the applicable Waste Control Law and in a manner consistent with federal and local regulations.

SECTION 7. HANDLING AND STORAGE

HANDLING

- Comply with all applicable regulations and consult safety manuals before handling.
- Ensure well-ventilated areas. Avoid inhaling dust and fumes.
- Prevent contact with eyes, skin, and clothing. Remove contaminated clothing and wash before reuse. Wash hands thoroughly after handling.
- Eliminate all ignition sources.

STORAGE

- Store per regulations in original sealed containers
- Store in a cool, dry, well-ventilated area and away from incompatible substances.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

CONTROL PARAMETER

Occupational exposure limits

No.	Components	ISHL ¹ (Korea) - TWA	ACGIH - TWA ²	Biological Exposure Limits
1	Melamine Resin Cas No.: 9003-08-01	Not established	Not established	Not applicable
2	Cellulose powder Cas No.: 9004-34-6	10 mg/m ³	10 mg/m ³	Not applicable
3	Silica powder Cas No.: 7631-86-9	10 mg/m ³	10 mg/m ³ (Inhalable particles) 3 mg/m ³ (Respirable particles)	Not applicable
4	Wax agents Cas No.: 557-05-1	10 mg/m ³	10 mg/m ³	Not applicable
5	Curing agents Cas No.: 85-44-9	1 ppm 10 mg/m ³	1 ppm	Not applicable

¹Industrial Safety and Health Law. 8-hour total weight average (TWA)

²American Conference of Governmental Industrial Hygienists (ACGIH) 8-hour total weight average (TWA)

EXPOSURE CONTROLS

Appropriate Engineering Controls

- Maintain recommended exposure limits through general exhaust ventilation of gases, vapors, mists, or fumes
- Local exhaust ventilation is recommended to control emissions at the source.
- Laboratory samples should be handled within a fume hood. Provide mechanical ventilation for confined spaces..

Individual Protection Measures, such as Personal Protective Equipment

Hand protection

Wear appropriate gloves.

Eye protection

Wear primary eye protection (splash-resistant safety goggles) with a secondary face shield.

Provide an emergency eyewash station and quick-drench shower in the immediate work area.

Respiratory Protection

Respiratory protection may be required for frequent or heavy exposure.

Skin protection

Wear appropriate clothing.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White tablet or powder (solid)
Odor	Slight
pH	Not Applicable
Initial boiling point and boiling range	Not Applicable
Melting point/ Freezing point	Not Available
Flash point	Not Available
Vapor pressure at 20 °C	Not Applicable
Flammable (Solid, gas)	Not Available
Autoignition temperature	Not Available
Solubility in water	Not Applicable
Explosive properties	Not Available
Vapour density	Not Available
Partition coefficient of n-octanol/water	Not Available
Temperature of decomposition	Not Available
Viscosity, dynamic	Not Available
Explosive Limits/ Upper/ Lower Flammability	Not Applicable
Evaporation rate	Not Applicable
Oxidizing properties	Not Available
Relative Density	1.1~1.6 g/ml

SECTION 10. STABILITY & REACTIVITY

Reactivity	Not Available
Chemical Stability	Stable under normal conditions
Incompatible material	Oxidizer and strong acids
Hazardous Decomposition Products	May emit flammable vapour if involved in fire
Conditions To Avoid	Heat, flame, incompatible materials, and other ignition sources
Decomposition Products	Burning may release carbon dioxide, water, ammonia, and nitrogen oxides

SECTION 11. TOXICOLOGICAL INFORMATION

INFORMATION ON HAZARD CLASSES AS DEFINED (EC) No 1272/2008

Skin corrosion/irritation	May cause an allergic skin reaction
Oral	Not classified
Respiratory sensitization	Toxic if inhaled. May cause allergy or asthma symptoms or breathing difficulties.

Test Type	Melamine Resin Cas No.: 9003-08-01	Cellulose powder Cas No.: 9004-34-6	Silica powder Cas No.: 7631-86-9	Wax agents Cas No.: 557-05-1	Curing agents Cas No.: 85-44-9
Oral LD50(rat)	> 10 g/kg	> 5 g/kg	> 5000 mg/kg	> 5000 mg/kg	1,530 mg/kg
Dermal LD50(rabbit)	> 10 g/kg	> 2 g/kg	> 2000 mg/kg	Not available	> 3,160 mg/kg
Inhalation LC50(rat)	Not available	Not available	> 2.2 mg/L/1hr (0.55 mg/L/4hr)	Not available	Not available
Skin corrosion/irritation	Not available	Not available	Not available	Possible skin stimulus	Moderate irritation (rabbit)

Serious eye damage/irritation	Not available	Not available	Not available	Possible eye irritation	Severely irritating (rabbit)
Respiratory sensitization	Not available	Not available	Not available	No sensitization (human)	Sensitizing substance
Skin sensitization	Not available	Not available	Not available	Not available	Positive sensitization (guinea pig, human potential)
Carcinogenicity	Not available	Not available	IARC Group 3	ACGIH A4	ACGIH A4
Germ cell mutagenicity	Not available	Not available	Not available	In vivo: Not available, In vitro: Negative	In vivo: Not available, In vitro: Positive
Reproductive toxicity	Not available	Not available	Not available	Not available	Possible effects on testes/epididymis
STOT RE	Not available	Not available	Lung effects (animal)	Not available	Eye, nose, throat, lung effects (human)
Aspiration hazard	Not available	Not available	Not available	Not available	Not available

Acute oral, dermal and inhalation toxicity

The acute toxicity estimate(ATE) of the mixture is calculated from the acute toxicity values for all relevant ingredients in the product according to the following formula. $[100 - (\text{Cunknown if } > 10\%)] / \text{ATE}_{\text{mix}} = \text{Ci} / \text{ATE}_i$, $100(\text{Cunknown if } > 10\%) / \text{ATE}_{\text{mix}} = \text{Ci} / \text{ATE}_i$,

-Acute toxicity estimate value(Oral) : $\text{ATE}_{\text{mix}} > 6600 \text{ mg/kg}$, Not classified

(The total concentration of the ingredients with unknown toxicity is $< 10\%$)

-Acute toxicity estimate value(Dermal) : $\text{ATE}_{\text{mix}} > 3700 \text{ mg/kg}$, Not classified

(The total concentration of the ingredients with unknown toxicity is $< 10\%$)

-Acute toxicity estimate value(Inhalation) : $\text{ATE}_{\text{mix}} = 0.55 \text{ mg/l}$, Category 3

(The total concentration of the ingredients with unknown toxicity is $< 10\%$)

SECTION 12. ECOLOGICAL INFORMATION

Components	Ecotoxicity	Persistence and degradability	Bioaccumulative potential	Mobility in soil	Other adverse effects
Melamine Resin Cas No.: 9003-08-01	Not available	Not available	Not available	Not available	Not available
Cellulose powder Cas No.: 9004-34-6	Not available	Not available	Not available	Not available	Not available
Silica powder Cas No.: 7631-86-9	Fish: LC50 5000 mg/L/96hr, Invertebrate: EC50 7600 mg/L/48hr, Algae: EC50 440 mg/L/72hr	log Kow = 0.53	BCF = 3.162	Not available	Not available
Wax agents Cas No.: 557-05-1	Not available	BOD5/COD=0.13 8	Not available	Not available	Not available
Curing agents Cas No.: 85-44-9	Fish: Not available, Invertebrate: Not available, Algae: ErC50 68mg/L/72hr	log Kow = 1.6	85.2 % (BOD)	Not available	Not available

SECTION 13. DISPOSAL CONSIDERATIONS

WATER TREATMENT METHODS

- Multiple designated waste types are mixed, and separation is impractical. Reduce or stabilize the waste through incineration or a similar process.
- If water separation is feasible, pre-process the waste using water separation techniques.
- Incinerate the waste for disposal.
- The product user must either dispose of the waste themselves or entrust it to a waste disposal service, a waste recycling facility, or an authorized waste disposal operator.
- Dispose of waste in compliance with all applicable laws and regulations.

SECTION 14. TRANSPORT INFORMATION

UN NUMBER OR ID NUMBER

ADR/RID/ADN	Not applicable
IMDG CODE/ IATA DGR	Not applicable
ICAO	Not applicable

PROPER SHIPPING NAME

ADR/RID/ADN	Not applicable
IMDG	Not applicable
IATA	Not applicable

TRANSPORT HAZARD CLASS

Hazard Class	Not applicable
Label	Not applicable

PACKING GROUP

ADR/RID/ADN	Not applicable
IMDG CODE/ IATA DGR	Not applicable
ICAO	Not applicable

ENVIRONMENTAL HAZARDS

Marine pollutant	Not applicable
Special marking (ADR/RID/ADN)	Not applicable
Special marking (IATA)	Not applicable

SPECIAL PRECAUTIONS FOR USER

EmS FIRE SCHEDULE	F-A
EmS SPILLAGE SCHEDULE	S-I
Air transport(IATA)	Not subject to IATA regulations.

Local transport follows the Dangerous Goods Safety Management Law.

Packages and transport follow in accordance with Department of Transportation (DOT) and other regulatory agency requirements.

SECTION 15. REGULATORY INFORMATION

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE**Directive 2012/18/EU (Seveso III Directive) – Annex I: Named Dangerous Substances**

None of the ingredients is listed.

REGULATION (EC) No. 1907/2006 – Annex XVII: Restricted Substances

No restrictions

Directive 2011/65/EU (RoHS Directive) – Annex II: Restricted Substances in Electrical and Electronic Equipment

Substance is not listed.

Other References

Korea Occupational Safety & Health Agency (KOSHA) GHS Classification

IUCLID

HSDB

Japan National Institute of Technology and Evaluation (NITE) GHS Classification

EU CLP Regulation, Annex VI

CHEMWAWTCH GHS-MSDS

RTECS(2006-2008)

ICSC(1997.10)

SECTION 16. OTHER INFORMATION

The information in this safety data sheet was obtained from reputable sources and, to the best of our knowledge, is accurate and current as of the mentioned date. Neither CAPLINQ Corporation nor CAPLINQ Europe BV accepts any liability arising out of the use of the information provided here or the use, application, or processing of the product described herein.

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