

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date: 22.05.2018

Version No: 1

Revision: 22.05.2018

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

· 1.1 Product identifier

· Trade name:

SolEpoxy™ MCL-C2000**RF2000, RF3000**

· 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:**

SolEpoxy, Inc.
211 Franklin Street
Olean, NY 14760 USA
Telephone: 1-716-372-6300

Europe: CAPLINQ Europe B.V. / Tel: +31 20 893 2224 / Email: reach@caplinq.com

Taiwan & China / Cygnus Inc. / 7F-1, No. 50, Sec. 1 / Hsin Sheng S. Rd. / Taipei, Taiwan /

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Tel: +91-9810190551

Singapore & Malaysia / Austron (S) Pte Ltd / Blk 5 Ang Mo Kio Ind Park 2A / 05-19 AMK Tech II / Singapore 567760

Tel: +65 - 6752-1068

Korea / SL Materials Co., Ltd / 712, Woolim LionsValley 3rd, / 24, Dunchon-Daero; 388Beon - Gil, Jungwon-Gu / Sung Nam City / Gyeonggi-Do / Korea

Tel: +82 70 7805 1156

· 1.4 Emergency telephone number:

CHEMTREC (24 h): 1-800-424-9300 (US/Canada); +01 703-527-3887 (International)

SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture

· **Classification according to Regulation (EC) No 1272/2008**

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**



GHS08

· **Signal word** Danger

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

formaldehyde

· **Hazard statements**

H350 May cause cancer.

· **Precautionary statements**

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

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

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P308+P313 IF exposed or concerned: Get medical advice/attention.

P405 Store locked up.

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

Additional information:

EUH208 Contains formaldehyde. May produce an allergic reaction.

2.3 Other hazards**Results of PBT and vPvB assessment**· **PBT:** Not determined.· **vPvB:** Not determined.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures**Dangerous components:**

CAS: 557-05-1 zinc distearate 0.1 - 1%

EINECS: 209-151-9 Aquatic Acute 1, H400

CAS: 50-00-0 formaldehyde 0.1 - 1%

EINECS: 200-001-8 Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; Muta. 2, H341;

Index number: 605-001-00-5 Carc. 1B, H350; Skin Corr. 1B, H314; Skin Sens. 1, H317

· **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.

In case of irregular breathing or respiratory arrest provide artificial respiration.

· **After inhalation:** Supply fresh air.· **After skin contact:** Generally the product does not irritate the skin.**After eye contact:**

Rinse opened eye for several minutes under running water.

Remove contact lenses, if present and easy to do. Continue rinsing.

· **After swallowing:** Rinse out mouth and then drink plenty of water.· **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.

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.

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SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Wear protective clothing.

Avoid formation of dust.

Keep away from ignition sources.

· 6.2 Environmental precautions: Do not allow product to reach sewage system or any water course.

· 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.

Open and handle receptacle with care.

· 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.

Keep respiratory protective device available.

· 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 dry conditions.

· 7.3 Specific end use(s) No further relevant information available.

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

WEL (Great Britain) Short-term value: 2.5 mg/m³, 2 ppmLong-term value: 2.5 mg/m³, 2 ppm

· 8.2 Exposure controls

· 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.

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· Protection of hands:

Protective gloves

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

Butyl rubber, BR
Nitrile rubber, NBR
PVC 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 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****· Appearance:**

Form: Solid
Colour: According to product specification

· Odour: Not determined
· Odour threshold: Not determined.

· pH-value: Not applicable.

· Change in condition

Melting point/freezing point: Not determined.
Initial boiling point and boiling range: Not applicable.

· Flash point: > 93 °C

· Flammability (solid, gas): Not determined.

· Ignition temperature: Not determined.

· Decomposition temperature: Not determined.

· Explosive properties: Product does not present an explosion hazard.

· Explosion limits:

Lower: Not determined.
Upper: Not determined.

· Oxidising properties No

· Vapour pressure: Not applicable.

· Density: 1.5 g/cm³

· Relative density Not determined.

· Vapour density Not applicable.

· Evaporation rate Not applicable.

· Solubility in / Miscibility with water: Insoluble.

· Partition coefficient: n-octanol/water: Not determined.

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50-00-0 formaldehyde 0,35 (logPow)

· Viscosity:

Dynamic: Not applicable.
Kinematic: Not applicable.

· Solvent content:**Organic solvents:** 0.1 %**Solids content:** 100.0 %

· 9.2 Other informationNo further relevant information available.

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.
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SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **LD/LC50 values relevant for classification:**

CAS: 557-05-1 zinc distearate

Oral LD50 > 5000 mg/kg (Rat) (OECD Guideline 423)

Dermal LD50 > 2000 mg/kg (Rabbit)

Inhalative LC50 (4h) 5.93 mg/L (Rat) (OECD Guideline 403)

CAS: 50-00-0 formaldehyde

Oral LD50 460 mg/kg (Rat) (OECD Guideline 401)

- **Primary irritant effect:**
 - **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** Based on available data, the classification criteria are not met.
 - **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
 - **Germ cell mutagenicity** No further relevant information available.
 - **Carcinogenicity**
No further relevant information available.
May cause cancer.
 - **Reproductive toxicity** No further relevant information available.
 - **STOT-single exposure** No further relevant information available.
 - **STOT-repeated exposure** No further relevant information available.
 - **Aspiration hazard** No further relevant information available.
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SECTION 12: Ecological information

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

CAS: 557-05-1 zinc distearate

LC50 (96h) (dynamic) 0.439 mg/L (Fish) (Cottus bairdii)

Read-across to CAS 7440-66-6

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EC50 (24h) (static) 0.5 mg/L (Invertebrates) (Thamnocephalus platyurus)
Read-across to 1314-13-2

IC50 (3h) (static) 10 mg/L (activated sludge)
Read-across to 7733-02-0

CAS: 50-00-0 formaldehyde

LC50 (static) 25.68 mg/L (Fish) (Notemigonus crysoleucas)
72h

EC50 (48h) (dynamic) 2.627 mg/L (Algae) (Pseudokirchnerella subcapitata)

EC50 (3h) (static) 19 mg/L (Bacteria) (OECD Guideline 209, activated sludge)

· 12.2 Persistence and degradability

50-00-0 formaldehyde 100 @ 28d %

· 12.3 Bioaccumulative potential

50-00-0 formaldehyde < 1 (BCF)

· **12.4 Mobility in soil** No further relevant information available.

· **12.5 Results of PBT and vPvB assessment** Not determined.

· **12.6 Other adverse effects** No further relevant information available.

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**

· **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 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** 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.

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· National regulations:**· Information about limitation of use:**

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

· 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.

· Relevant phrases

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H331 Toxic if inhaled.

H341 Suspected of causing genetic defects.

H350 May cause cancer.

H400 Very toxic to aquatic life.

· 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 européen sur le transport 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

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Skin Sens. 1: Skin sensitisation – Category 1

Muta. 2: Germ cell mutagenicity – Category 2

Carc. 1B: Carcinogenicity – Category 1B

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

· * Data compared to the previous version altered.
