

Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade Name: Topkal CK-MB
Article n°: 6280XXX
MS: 80115310217

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

General use: Laboratory chemical.
For professional use only.

1.3 Details of the supplier of the safety data sheet

Kovalent do Brasil Ltda.
Rua Cristóvão Sardinha, 110 – Jd. Bom Retiro – São Gonçalo – RJ – Brasil.
Tel: +(55 21) 2623-1367
e-mail: kovalent@kovalent.com.br

1.4 Emergency telephone number

Tel: +(55 21) 2623-1367 – Customer service 8AM to 5PM.
0800 015 1414

In case of emergency

24 hours service
0800-722-6001 – RENACIAT (Rede Nacional de Centros de Informação e Assistência Toxicológica)

2 Hazards Identification

2.1 Classification of the substance or mixture

Classification according to ABNT NBR 14725.
This mixture is classified as not hazardous.

2.2 Label elements

Labelling (GHS)

Hazard statements: Not applicable

Precautionary statements: Not applicable

Special labelling

EUH210 Safety data sheet available on request.

2.3 Other hazards

No risks worthy of mention.

Endocrine disrupting properties, Results of PBT and vPvB assessment: The product does not contain any as PBT or vPvB classified substances.

3 Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Hazardous ingredients:

Identifiers	Designation Classification	Content
EC No. 202-601-5 CAS 97-67-6	L-Malic acid Skin Irrit. 2; H315. Eye Irrit. 2; H319. STOT SE 3; H335.	< 10 %

Full text of H- and EUH-statements: see section 16.

4 First aid measures

4.1 Description of first aid measures

General information:	Do not leave affected person unattended.
In case of inhalation:	Provide fresh air. If unconscious place in recovery position and seek medical advice. If you feel unwell, seek medical advice.
Following skin contact:	Remove residues with soap and water. Change contaminated clothing. In case of skin reactions, consult a physician.
After eye contact:	With eyelids open, wash out eyes for several minutes under flowing water. Remove contact lenses, if present and easy to do. Continue rinsing. In case of troubles or persistent symptoms, consult an ophthalmologist.
After swallowing:	Rinse mouth and drink large quantities of water. Keep airway open. Never give anything by mouth to an unconscious person. Seek medical attention if problems persist.

4.2 Most important symptoms and effects, both acute and delayed

dust: Can cause skin, eye and respiratory tract irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5 Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Co-ordinate fire-fighting measures to the fire surroundings.

Extinguishing media which must not be used for safety reasons:
Full water jet

5.2 Special hazards arising from the substance or mixture

Fires in the immediate vicinity may cause the development of dangerous vapours.

5.3 Advice for firefighters

Special protective equipment for firefighters: In case of surrounding fires: Wear self-contained breathing apparatus.

Additional information: Do not allow fire water to penetrate into surface or ground water.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment. Avoid generation of dust. Do not breathe dust. Provide adequate ventilation. Product contains bovine material. Even though tests on infectious diseases ended negative, this product should be handled as potentially infectious biomaterial.

6.2 Environmental precautions

Do not allow to penetrate into soil, waterbodies or drains.

6.3 Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal.

6.4 Reference to other sections

Refer additionally to section 8 and 13.

7 Handling and storage

7.1 Precautions for safe handling

Advices on safe handling: Wear personal protection equipment. Avoid contact with skin and eyes. Avoid generation of dust. In case of dust formation: Provide adequate ventilation, and local exhaust as needed.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers: Keep container dry, tightly closed and store at cool and aired place. Do not freeze.
Storage class: 11 = Combustible solids.

7.3 Specific end use(s)

No information available.

8 Exposure controls/personal protection

8.1 Control parameters

Additional information: Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Provide good ventilation and/or an exhaust system in the work area.

Personal protection equipment

Occupational exposure controls

Respiratory protection: In case of dust formation:
Dust mask. Particulates filter P1 according to EN 143.

Hand protection: Protective gloves according to EN 374.
For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Tightly sealed goggles according to EN 166.

Body protection: Wear suitable protective clothing.

General protection and hygiene measures:
Change contaminated clothing. Wash hands before breaks and after work. When using do not eat, drink or smoke.
Provide a conveniently located eye rinse station.

Environmental exposure controls

Refer to "6.2 Environmental precautions".

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state at 20 °C and 101.3 kPa Solid

Colour: White

Odour: No characteristic odour

Odour threshold: No data available

Melting point/freezing point: No data available

Initial boiling point and boiling range: No data available

Flammability: No data available

Upper/lower flammability or explosive limits: No data available

Flash point/flash point range: Combustible

Decomposition temperature: No data available

pH: 6,4

Viscosity, kinematic:	No data available
Water solubility:	Soluble
Partition coefficient: n-octanol/water:	No data available
Vapor pressure:	No data available
Density:	No data available
Vapor density:	No data available
Particle characteristics:	No data available

9.2 Other information

Explosive properties:	No data available
Oxidizing characteristics:	No data available
Auto-ignition temperature:	No data available
Evaporation rate:	No data available
Additional information:	No data available

10 Stability and reactivity

10.1 Reactivity

No dangerous reactions with proper and specified storage and handling.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No decomposition when used properly.

10.4 Conditions to avoid

Protect against heat /sun rays. Protect from moisture contamination.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

No decomposition when used properly. Fires in the immediate vicinity may cause the development of dangerous vapours.

Thermal decomposition:	No data available
------------------------	-------------------

11 Toxicological information

Toxicological effects:

Acute toxicity (oral):	Lack of data.
Acute toxicity (dermal):	Lack of data.
Acute toxicity (inhalative):	Lack of data.
Skin corrosion/irritation:	Lack of data.
Prolonged skin contact may decrease the skin and may produce dermatitis.	
Serious eye damage/irritation:	Lack of data.
dust: Can cause skin, eye and respiratory tract irritation.	
Sensitisation to the respiratory tract:	Lack of data.
Skin sensitisation:	Lack of data.
Germ cell mutagenicity/Genotoxicity:	Lack of data.
Carcinogenicity:	Lack of data.
Reproductive toxicity:	Lack of data.
Effects on or via lactation:	Lack of data.

Specific target organ toxicity: (single exposure)	Lack of data.
exposure route: Inhalative (dust, mist, Smoke)	May cause respiratory irritation.
Specific target organ toxicity: (repeated exposure)	Based on available data, the classification criteria are not met.
Aspiration hazard:	Lack of data.
Endocrine disrupting properties:	No data available
Other information:	No data available

12 Ecological information

12.1 Toxicity

Aquatic toxicity: 11 % percent of the mixture consists of ingredient(s) of unknown toxicity.

Water Hazard Class: 1 = slightly hazardous to water

12.2 Persistence and degradability

Further details: No data available

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water: No data available

12.4 Mobility in soil

Adsorption: not to be expected

12.5 Results of PBT and vPvB assessment

The product does not contain any as PBT or vPvB classified substances.

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

General information: Do not allow to enter into ground-water, surface water or drains.

13 Disposal considerations

13.1 Waste treatment methods

Product: Dispose of waste according to applicable legislation.

Package: Dispose of waste according to applicable legislation.

Additional information: Do not reuse empty containers.

14 Transport information

14.1 UN number or ID number

ADR/RID, ADN, IMDG, IATA-DGR Not applicable

14.2 UN proper shipping name

ADR/RID, ADN, IMDG, IATA-DGR Not restricted

14.3 Transport hazard class(es)

ADR/RID, ADN, IMDG, IATA-DGR Not applicable

14.4 Risk Number

-

14.5 Packing group

ADR/RID, ADN, IMDG, IATA-DGR Not applicable

www.kovalent.com.br

14.6 Environmental hazards

Dangerous for the environment:

Substance/mixture is not environmentally hazardous according to the criteria of the UN model regulations.

Marine pollutant – IMDG:

No

14.7 Special precautions for user

No dangerous good in sense of these transport regulations.

15 Regulatory information

- Product produced in accordance with the requirements established by RDC 665 of 30/03/2022 and with labeling information in accordance with RDC 206 of 17/11/2006.
- For more details on product disposal refer to RDC 222 of 28/03/2018 and NBR 10004.
- This safety data sheet was prepared in accordance with ABNT/NBR 14725:23.

16 Other information

Wording of the H-phrases under paragraph 2 and 3:

H315 = Causes skin irritation.

H319 = Causes serious eye irritation.

H335 = May cause respiratory irritation.

EUH210 = Safety data sheet available on request.

The above information is considered correct but is not intended to be complete and should be used only as a guide. Kovalent is not responsible for any damage resulting from handling or use.

In article XXX: The three X are for the volume.

Abbreviations and acronyms:

ABNT: Associação Brasileira de Normas Técnicas

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

AS/NZS: Australian Standards/New Zealand Standards

CAS: Chemical Abstracts Service

CE: Conforme Europeia

CFR: Code of Federal Regulations

CLP: Classification, Labelling and Packaging

DMEL: Derived minimal effect level

DNEL: Derived no-effect level

EC: European Community

EN: European Standard

EQ: Excepted quantities

EU: European Union

Eye Irrit.: Eye Irritation

GHS: Globally Harmonized System

IATA: International Air Transport Association

IATA-DGR: International Air Transport Association – Dangerous Goods Regulations

IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk

IMDG Code: International Maritime Dangerous Goods Code

MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships

MS: Ministério da Saúde

NBR: Norma Brasileira

OSHA: Occupational Safety and Health Administration

PBT: Persistent, bioaccumulative and toxic

PNEC: Predicted no-effect concentration

RENACIAT: Rede Nacional de Centros de Informação e Assistência Toxicológica

RDC: Resolução da Diretoria Colegiada

RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail

Skin Irrit.: Skin irritation

TRGS: Technical Rules for Hazardous Substances

vPvB: Very persistent and very bioaccumulative