

Anolytech MARS-2PC

Date of issue 2022-03-14

Version 1

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

1.1 Product identifier

Anolytech MARS-2PC

UFI:

FJ10-F0CP-R00K-HXVC

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

Cleaning

Professional product

1.3 Details of the supplier of the safety data sheet

Mico AB

Välingevägen 245

262 92 Ängelholm

Sweden

Telephone/Fax

042-362220/042-362229

Homepage/E-mail

www.mico.se / info@mico.se

1.4 Emergency telephone number

112 Poison information. In less acute cases during office hours: +46(0)10-4566700

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:

Classification CLP (1272/2008/EC)

Serious eye damage/eye irritation, Hazard Category 1: H318

2.2 Label elements:

Pictogram



Signal Word: Danger

Containing substances

Oxalic acid dihydrate

Hazard statement Code(s)

H318: Causes serious eye damage

Precautionary statements

P280 Wear eye protection.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P310 Immediately call a POISON CENTER/doctor

2.3 Other hazards

Does not meet the criteria for PBT or vPvB.

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SECTION 3: Composition/information on ingredients

3.1 Chemical composition: Mixture

Components	CAS-No EC-No Reg-No	Conc. %	Hazard Class and Category Code(s)	Hazard statement Code(s)*
Phosphoric acid ** Index: 015-011-00-6	7664-38-2 231-633-2 01-2119485924-24	1-<10	Met. Corr. 1 Acute Tox. 4 Skin Corr. 1B	H290 H302 H314
Oxalic acid dihydrate	6153-56-6 205-634-3 01-2119534576-33	3-5	Acute Tox. 4 Acute Tox. 4 Eye Dam. 1	H302 H312 H318

*The full text of Hazard statement Codes are listed under heading 16.

** SCL / Specific concentration limits

Eye Irrit. 2; H319: 10 % ≤ C < 25 %

Skin Corr. 1B; H314: C ≥ 25 %

Skin Irrit. 2; H315: 10 % ≤ C < 25 %

Ingredients not listed are classified as non-hazardous or at a concentration below reportable levels.

The classification is based on information from the chemical supplier and www.echa.europa.eu (Databases)

SECTION 4: First aid measures

4.1 Description of first aid measures:

General Information

In all cases of doubt, or when symptoms persist, seek medical advice. Keep person warm and calm.

Never give fluids or induce vomiting if patient is unconscious.

Inhalation

Fresh air.

Skin contact

Wash the skin with soap and water.

Eye contact

Important! Rinse immediately with water for at least 15 minutes. Hold eyelids apart. Go to hospital or eye specialist.

Ingestion

Rinse mouth with water and drink several glasses of water. Do not provoke vomiting. Seek medical treatment.

4.2 Most important symptoms and effects, both acute and delayed:

Inhalation:

May irritate mucous membranes. Coughing may occur.

Skin contact:

Prolonged skin contact with concentrate could cause skin irritation and dry skin, skin cracking and rash.

Eye contact:

Give severe pain and irritation. May severely injure the eyes.

Ingestion:

Ingestion may cause discomfort.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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SECTION 5: Firefighting measures

5.1 Extinguishing media

Select extinguishing media appropriate to surrounding fire. Water spray, fog or mist, foam, powder or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Do not breathe fumes. During fire, gases hazardous to health may be formed.

5.3 Advice for firefighters

Appropriate breathing apparatus and protective suits may be required.

Additional information

Cool endangered containers with water in case of fire. Move containers from fire area if it can be done without risk.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

Avoid contact with eyes.

6.2 Environmental precautions

If possible, prevent the product from leaking out into surface water or sanitary sewer system.

6.3 Methods and material for containment and cleaning up

Re-use product if possible. Small quantities may be wiped up with a cloth. Larger spill: Contain spill with inert material. Absorb in vermiculite, dry sand or earth.

6.4 Reference to other sections

For handling and storage, see section 7.

For personal protection, see section 8.

For disposal of spillage, see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Normal precautions taken when handling chemicals should be observed.

Use personal protective equipment.

Avoid contact with eyes.

Provide eyewash station.

7.2 Conditions for safe storage, including any incompatibilities

Store the product tightly closed in a dry, cool and well-ventilated area.

7.3 Specific end use(s)

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Appropriate engineering controls

Provide adequate ventilation.

Provide eyewash station.

Exposure limits

Swedish limit values or limit values according to the European commission:

Substance	CAS-nr	NGV	KGV	Comments
Oxalic acid	6153-56-1	1 mg/m ³	2 mg/m ³	V
Phosphoric acid	7664-38-2	1 mg/m ³	2 mg/m ³	Fosforsyra

British limit values (EH40/2005 Workplace exposure limits)

Substance	CAS-nr	Long-term exposure limit	Short-term exposure limit	Comments
Phosphoric acid	7664-38-2	1 mg/m ³	2 mg/m ³	-

DNEL

Phosphoric acid (7664-38-2)	Short-term exposure - Employees Local effects, Inhalation: 2 mg/m ³ Long-term exposure - Employees Local effects, Inhalation: 1 mg/m ³ Long-term exposure - Employees Systematic effects, Inhalation: 10.7 mg/m ³ Long-term exposure - Consumers Local effects, Inhalation: 0.36 mg/m ³ Long-term exposure - Consumers Systematic effects, Inhalation: 4.57 mg/m ³ Long-term exposure - Consumers Systematic effects, Dermal: 0.1 mg/kg / day
Oxalic acid (6153-56-6)	Short-term exposure - Employees Local effects, Dermal: 0.69 mg/m ³ Long-term exposure - Employees Systematic effects, Dermal: 2.29 mg/kg Long-term exposure - Employees Systematic effects, Inhalation: 4.03 mg/m ³ Short-term exposure - Consumers Local effects, Dermal: 0.35 mg/m ³ Long-term exposure - Consumers Systematic effects, Dermal: 1.14 mg/kg Long-term exposure - Consumers Systematic effects, Ingestion: 1.14 mg/m ³

PNEC

Oxalic acid (6153-56-6)	0,1622 mg/l	Freshwater
Oxalic acid (6153-56-6)	0,01622 mg/l	Saltwater
Oxalic acid (6153-56-6)	1,622 mg/l	Intermittent release

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SECTION 8: Exposure controls/personal protection

8.2 Exposure controls:

General protective and hygiene measures

Wash hands before breaks and after work.

Handle in accordance with good industrial hygiene and safety practice.

Individual protection measures, such as personal protective equipment:

Always consult a competent person/supplier when selecting personal protective equipment.

Respiratory protection

Normally not needed

Hand protection

For prolonged contact with concentrated product protective gloves should be worn (PVC, Nitrile)

When selecting gloves, several parameters should be taken into account, use, handling, breakthrough time.

Eye protection

Wear tightly fitting protective goggles.

Clothing requirements

Wear suitable protective clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Physical state:	Liquid
Colour:	Not determined
Odour	Not determined
Melting point/freezing point	Not determined
Boiling point or initial boiling point and boiling range	Not determined
Flammability	Not determined
Lower and upper explosion limit	Not determined
Flash point (°C):	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
pH	Not determined
Kinematic viscosity	Not determined
Solubility	Not determined
Partition coefficient n-octanol/water (log value)	Not determined
Vapour pressure	Not determined
Density and/or relative density	Not determined
Relative vapour density	Not determined
Particle characteristics	Not determined

9.2 Other information: No specific.

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SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage and handling conditions.

10.2 Chemical stability

Stable under recommended storage and handling conditions.

10.3 Possibility of hazardous reactions

None under recommended handling conditions.

10.4 Conditions to avoid

None under recommended handling conditions.

10.5 Incompatible materials

None under recommended handling conditions.

10.6 Hazardous decomposition products

None under recommended use and handling conditions.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

See section 4. (Most important symptoms and effects, both acute and delayed)

Inhalation

Not classified as irritating by inhalation according to CLP

Skin contact

Not classified as irritating at skin contact according to CLP

Eye contact

Corrosive

Ingestion

Not classified as irritating by ingestion according to CLP

Acute toxicity

Information about this preparation is not available.

Toxicology data for the containing components:

Phosphoric acid (7664-38-2)	LC ₅₀ Inhalation Rat 2h: 850 mg/l LD ₅₀ Dermal Rabbit: 2740 mg/kg NOAEL Teratogenicity Rat Female: ≥410 mg/kg / day OECD414 NOAEL Reproductive toxicity Rat; ≥500 mg/kg / day OECD422
Oxalic acid (6153-56-6)	ATE Oral: 500 mg/kg ATE Dermal: 1100 mg/kg OECD404

Specific target organ toxicity (STOT) single and repeated exposure

No known.

Routes of exposure:

Eyes and skin, ingestion, inhalation.

Allergenic potential

The product is not classified as allergenic by inhalation or skin contact.

Carcinogenicity, mutagenicity and toxicity for reproduction

This product is not classified as carcinogen, mutagen or toxic for reproduction.

Aspiration hazard

No

11.2. Information on other hazards

No information available.

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SECTION 12: Ecological information

This product is not classified as dangerous for the environment.

Do not flush into surface water or sanitary sewer system.

12.1 Toxicity

Information about this preparation is not available.

The information below is for containing substances in concentrate.

Phosphoric acid (7664-38-2)	LC ₅₀ Fish 96h: 3-3.25 mg/l Sp: Lepomis Macrochirus EC ₅₀ Daphnia 48h: > 100 mg/l NOEC Algea 72h: 100 mg/l Sp: Desmodesmus subspicatus OECD201 EC ₅₀ Algea 72h: > 100 mg/l Sp: desmodesmus subspicatus OECD201 EC ₅₀ Activated Sludge 3h: > 1000 mg/l OECD Test Guideline 209
Oxalic acid (6153-56-6)	EC ₅₀ Daphnia 48h: 162.2 mg/l OECD202

12.2 Persistence and degradability

Oxalic acid (6153-56-6) – Readily biodegradable

Phosphoric acid (7664-38-2) – Unorganic compound

12.3 Bioaccumulative potential

Oxalic acid (6153-56-6) – logPow -0.81

12.4 Mobility in soil

Phosphoric acid (7664-38-2) Soluble in water

Oxalic acid (6153-56-6) Soluble in water

12.5 Results of PBT and vPvB assessment

Does not meet the criteria for PBT or vPvB.

12.6. Endocrine disrupting properties

No known.

12.7. Other adverse effects

No known.

SECTION 13: Disposal considerations

13.1 Waste treatment methods:

The product

Dispose of in accordance with local authority requirements. Do not empty into drain.

Hazardous waste.

EWC suggestions for waste:

20 01 29* detergents containing hazardous substances

Disposal of Packaging

Empty and well cleaned packaging can be recycled.

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SECTION 14: Transport information

The product is not classified as dangerous goods according to ADR/RID, IMDG, DGR.

14.1 UN number or ID number

-

14.2 UN proper shipping name (IMDG, IATA/ICAO):

-

14.3 Transport hazard class(es)

-

14.4 Packing group

-

14.5 Environmental hazards

Marine Pollutant: No

14.6 Special precautions for user

-

14.7 Maritime transport in bulk according to IMO instruments

-

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Classification according to CLP (1272/2008/EC).

15.2 Chemical safety assessment

None

SECTION 16: Other information

The full text of Hazard statement Codes

H290: May be corrosive to metals

H302: Harmful if swallowed

H312: Harmful in contact with skin

H314: Causes severe skin burns and eye damage

H318: Causes serious eye damage

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Safety data sheet according to Regulation (EC) No. 1907/2006 and (EG) 830/2015.

Sources

Safety data sheet provided by the manufacturer. CLP-regulation, www.kemi.se, www.echa.europa.eu (databases)

Explanation of abbreviations

BCF: Bio Concentration Factor.

CAS-nr Chemical Abstracts Service number

EC₅₀: Effect Concentration

IMDG: International Maritime Dangerous Goods Code.

LC₅₀: Lethal Concentration

LD₅₀: Lethal Dose

NOEC: No Observed Effect Concentration

PBT- substances: Persistent, Bio accumulative and Toxic substances.

vPvB- substances: Very persistent and Very Bio accumulative substances.