

Perform MPC

Date of issue 2017-02-14

Version 3

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

1.1 Product identifier	Perform MPC
1.2 Relevant identified uses of the substance or mixture and uses advised against	Polishing compound for marble, terrazzo, limestone, etc.
1.3 Details of the supplier of the safety data sheet	Ajour Trading Sweden AB Ekelidsvägen 7 SE-457 40 Fjällbacka Sweden
Telephone	+46 (0)31 870540
Homepage/E-mail	www.ajourtrading.com/info@ajourtrading.com
Emergency telephone	+46 (0)8-331231 Poison information. In less acute cases during office hours +46(0)10-4566700

SECTION 2: Hazards identification

2.1 Classification:

Classification CLP (1272/2008/EC)

Causes serious eye damage- Category 1; H318

Acute toxicity - Category 4; H302

Acute toxicity - Category 4; H312

2.2 Label elements:

Pictogram



Signal Word: Danger

Containing substances

Potassium hydrogen oxalate, Oxalic acid

Hazard statement Code(s)

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H318 Causes serious eye damage.

Precautionary statements

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

P264 Wash hands and face thoroughly after handling.

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

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 or doctor/physician.

2.3 Other hazards

This product is not considered to contain any substances that meet the criteria for classification as PBT or vPvB substances.

There is risk of formation of small amounts of gases containing fluorine. Do not breathe gas. Ensure good ventilation. Addition of water may possible form hydrofluoric acid or hydrogen chloride. In experiments where water has been added to the product, however, neither hydrofluoric acid or hydrogen fluoride could be detected.

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SECTION 3: Composition/information on ingredients

3.2 Chemical composition: Mixture

Components	CAS-No EC-No Reg-No	Conc. %	Hazard Class and Category Code(s)	Hazard statement Code(s)*
Potassium hydrogen oxalate	127-95-7 204-873-0	40-80	Acute Tox. 4 Acute Tox. 4	H312 H302
Oxalic acid	6153-56-6 205-634-3 01-2119534576-XXXX	5-15	Acute Tox. 4 Acute Tox. 4 Eye Dam 1	H302 H312 H318
Magnesium Fluoro Silicate Hexahydrate	18972-56-0 606-187-0	1-5	Acute Tox. 4	H302
1-(2-ethoxyisopropoxy)-2-propanol	34590-94-8 252-104-2 01-2119450011-60-xxxx	1-5	-	-
2-Aminoethanol	141-43-5 205-483-3 01-2119486455-28-xxxx	<1	Acute Tox. 4 Acute Tox. 4 Acute Tox. 4 Skin Corr. 1B STOT Single 3	H302 H312 H332 H314 H335

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

Composition Comments

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.

Never give fluids or induce vomiting if patient is unconscious.

Keep person warm and calm.

Inhalation

Fresh air. Seek medical advice if the complaints persist.

Skin contact

Take off all contaminated clothing. Wash with soap and water for several minutes and rinse skin thoroughly. Seek medical advice if the complaints persist.

Eye contact

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

Ingestion

Rinse mouth and give plenty of water to drink. Seek medical attention.

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SECTION 4: First aid measures (...)

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

Inhalation:	Inhalation of mist may cause coughing, burning and breathing difficulties. Excessive inhalation or inhalation of high concentrations involve the risk of lung injury.
Skin contact:	Harmful in contact with skin. This product might be absorbed through the skin. Prolonged or repeated contact may cause irritation to the skin. Symptoms: itching, pain.
Eye contact:	May cause mild irritation to eyes. (pain, redness)
Ingestion:	Harmful if ingested. Ingestion give burning pain in mouth, pharynx and stomach.

4.3 Indication of any immediate medical attention and special treatment needed

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SECTION 5: Firefighting measures

5.1 Extinguishing media

Water mist, carbondioxide, powder or foam.

5.2 Special hazards arising from the substance or mixture

Do not breathe fumes. During fire, gases hazardous to health like CO, CO₂, may be formed. There is also risk of formation of smaller amounts of gas containing fluorine.

5.3 Special protective equipment

Appropriate breathing apparatus and protective clothes 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

Ensure good ventilation. Avoid formation of dust. Avoid contact with eyes and skin.

6.2 Environmental precautions

Do not flush larger amounts into surface water or sanitary sewer system.

6.3 Methods and material for containment and cleaning up

Re-use product if possible. Collect the waste mechanically.

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.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with eyes and skin.

Addition of water may possible form hydrofluoric acid or hydrogen chloride. Do not breathe gas. Ensure good ventilation. Addition of water may possible form hydrofluoric acid or hydrogen chloride. In experiments where water has been added to the product, however, neither hydrofluoric acid or hydrogen fluoride could be detected. Handle in accordance with good industrial hygiene and safety practice. Do not mix with any other chemicals.

7.2 Conditions for safe storage, including any incompatibilities

Keep away from strong oxidizing agents. Store in tightly closed container.

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.

Exposure limits

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

Substance	CAS-No	Level limit value	Short time value	Note
Oxalic acid	144-62-7	1 mg/m ³	2 mg/m ³	V
1-(2-ethoxyisopropoxy)-2-propanol	34590-94-8	50 ppm 300 mg/m ³	75 ppm 450 mg/m ³	H, V
2-Aminoethanol	141-43-5	1 ppm 2,5 mg/m ³	3 ppm 7,5 mg/m ³	H

Explanation note:

H = Substance may be absorbed through the skin.

V = Indicative short term limit

DNEL

1-(2-ethoxyisopropoxy)-2-propanol (34590-94-8)	Long term exposure - Workers Systematic effects, dermal: 65 mg/kg/day Long term exposure - Workers Systematic effects, inhalation: 310 mg/m ³ Long term exposure - Consumers Systematic effects, dermal: 15 mg/kg/day Long term exposure - Consumers Systematic effects, inhalation: 37.2 mg/m ³ Long term exposure - Consumers Systematic effects, oral: 1.67 mg/kg/day
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SECTION 8: Exposure controls/personal protection (...)

DNEL

2-Aminoethanol (141-43-5)	Long term exposure - Workers Systematic effects, dermal: 1 mg/kg/day Long term exposure - Workers Systematic effects, inhalation: 3.3 mg/kg/day Long term exposure - Workers Local effects, inhalation: 3.3 mg/kg/day Long term exposure - Consumers Systematic effects, dermal: 0.24 mg/kg/day Long term exposure - Consumers Systematic effects, inhalation: 2 mg/kg/day Long term exposure - Consumers Local effects, inhalation: 2 mg/kg/day Long term exposure - Consumers Systematic effects, oral: 3.75 mg/kg/day
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PNEC

1-(2-ethoxyisopropoxy)-2-propanol (34590-94-8)	19 mg/l	Freshwater
1-(2-ethoxyisopropoxy)-2-propanol (34590-94-8)	1.9 mg/l	Seawater
1-(2-ethoxyisopropoxy)-2-propanol (34590-94-8)	190 mg/l	Water
1-(2-ethoxyisopropoxy)-2-propanol (34590-94-8)	70.2 mg/kg	Wet sediment (Freshwater)
1-(2-ethoxyisopropoxy)-2-propanol (34590-94-8)	7.02 mg/kg	Wet sediment (Seawater)
1-(2-ethoxyisopropoxy)-2-propanol (34590-94-8)	2.74 mg/kg	Soil
1-(2-ethoxyisopropoxy)-2-propanol (34590-94-8)	4168 mg/l	Sewage Treatment Plant
2-Aminoethanol (141-43-5)	0.085 mg/l	Freshwater
2-Aminoethanol (141-43-5)	0.0085 mg/l	Seawater
2-Aminoethanol (141-43-5)	0.025 mg/l	Intermittent release
2-Aminoethanol (141-43-5)	0.425 mg/kg	Wet sediment (Freshwater)
2-Aminoethanol (141-43-5)	0.0425 mg/kg	Wet sediment (Seawater)
2-Aminoethanol (141-43-5)	0.035 mg/kg	Soil
2-Aminoethanol (141-43-5)	100 mg/l	STP

8.2 Exposure controls:

General protective and hygiene measures

Wash hands before breaks and after work. Do not eat, drink or smoke while handling the product.

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes and skin.

Individual protection measures, such as personal protective equipment:

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

Respiratory protection

In inadequately ventilated places or if workplace limits are exceeded, a gasmask approved for this purpose must be worn. (Gas filter BE and particle filter P3)

Hand protection

Use protective gloves. (E.g. Nitrile rubber, Neoprene, PVC)

Eye protection

Wear tightly fitting protective goggles.

Clothing requirements

Wear chemical-resistant protective clothing.

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SECTION 9: Physical and chemical properties
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9.1 Information on basic physical and chemical properties:

Form:	Moistened powder
Colour:	Slightly yellowish
Odour:	Characteristic
Odour threshold:	Not determined
pH-value (1:10):	1
Melting point/freezing point (°C):	Not determined
Initial boiling point and boiling range (°C):	Not determined
Flash point (°C):	Not determined
Evaporation rate (°C):	Not determined
Flammability (solid, gas):	Not determined
Upper flammability or explosive limits:	Not determined
Lower flammability or explosive limits:	Not determined
Vapour pressure:	Not determined
Vapour density:	Not determined
Density:	Not determined
Solubility in water:	Partially soluble
Partition coefficient: n-octanol/water:	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	Not determined
Explosive properties:	Not determined
Oxidising properties:	Not determined

9.2 Other information: No specific.

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

There is risk of formation of small amounts of gases containing fluorine. Addition of water may possible form hydrofluoric acid or hydrogen chloride. In experiments where water has been added to the product, however, neither hydrofluoric acid or hydrogen fluoride could be detected

10.4 Conditions to avoid

No known.

10.5 Incompatible materials

Strong acids, strong alkali, strong oxidizing agents.

10.6 Hazardous decomposition products

None under recommended handling conditions.

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SECTION 11: Toxicological information
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11.1 Information on toxicological effects

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

Inhalation

Inhalation of mist may cause coughing, burning and breathing difficulties.

Skin contact

Harmful in contact with skin. This product might be absorbed through the skin.

Eye contact

Corrosive

Ingestion

Harmful if ingested. Ingestion give burning pain in mouth, pharynx and stomach.

Inhalation

Acute toxicity

Information about this preparation is not available.

Toxicology data for the containing components:

1-(2-ethoxyisopropoxy)-2-propanol (34590-94-8)	LD ₅₀ Oral rat: >4000 mg/kg LC ₅₀ Inhaled rat 7h: 3.35 mg/l LD ₅₀ Dermal rabbit: 9510 mg/kg
2-Aminoethanol (141-43-5)	LD ₅₀ Oral rat: 1515 mg/kg LD ₅₀ Dermal rabbit: 2504 mg/kg

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.

Danger to aspiration

No

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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.

Toxicology data for the containing components:

1-(2-ethoxyisopropoxy)-2-propanol (34590-94-8)	LC ₅₀ Fish 96h: >10000 mg/l Sp: Pimephales promelas EC ₅₀ Daphnia 48h: 1919 mg/l Sp: D. magna EC ₁₀ Bacteria: 4168 mg/l Sp: Pseudomonas putida
2-Aminoethanol (141-43-5)	LC ₅₀ Fish 96h: 349 mg/l Sp: Cyprinus carpio LC ₅₀ Fish 96h: 170 mg/l Sp: Carassius auratus EC ₅₀ Daphnia 48h: 65 mg/l Sp: Daphnia magna EC ₅₀ Algae 72h: 2.5 mg/l Sp: Selenastrum capricornutum EC ₅₀ Algae 72h: 22 mg/l Sp: Scenedesmus subspicatus EC ₂₀ Bacteria 30 min: >1000 mg/l Sp: Activated sludge EC ₅₀ Bacteria 3h: >1000 mg/l Sp: Activated sludge NOEC Daphnia 21 days: 0.85 mg/l Sp: Daphnia magna

12.2 Persistence and degradability

1-(2-ethoxyisopropoxy)-2-propanol (34590-94-8) - Readily biodegradable.

2-Aminoethanol (141-43-5) - Readily biodegradable.

12.3 Bioaccumulative potential

Does not bioaccumulate. - 1-(2-ethoxyisopropoxy)-2-propanol (34590-94-8)

Does not bioaccumulate. - 2-Aminoethanol (141-43-5)

12.4 Mobility in soil

Partially soluble in water.

12.5 Results of PBT and vPvB assessment

This product is not considered to contain any substances that meet the criteria for classification as PBT or vPvB substances.

12.6 Other adverse effects

No known.

SECTION 13: Disposal considerations

13.1 Waste treatment methods:

This product or residues of concentrated product are classified as hazardous waste. Dispose of in accordance with local authority requirements.

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

Hazardous waste.

EWC suggestions for waste:

20 01 29* detergents containing dangerous substances.

Disposal of Packaging

Empty and cleaned packaging can be recycled.

Supplemental information

Working solution/dilutions: 1 part product – 10 parts water or more is not classified as hazardous waste.

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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

-

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 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

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SECTION 15: Regulatory information

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

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

Chemical safety assessment

None

SECTION 16: Other information

The full text of Hazard statement Codes

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

Version 3: 2017-02-14

Changes have been made in section 1, 2, 3, 11, 13 and 16.

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

Previous versions:

Version 1: 2013-03-26

Version 2: 2015-01-05

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SECTION 16: Other information (...)
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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.