

Date: 2015-11-11 (Version 3)

PICA MT

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

1.1 Product identifier	PICA MT
1.2 Relevant identified uses of the substance or mixture and uses advised against	Graffiti removal
1.3 Details of the supplier of the safety data sheet	PICA Kemi AB
Address	Kabingatan 13 SE-212 39 Malmö
Telephone/ telefax	+46(0)40-185820/+46(0)40-185823
Contact	www.picakemi.se/picakemi@picakemi.se
1.4 Emergency telephone number	+46 (0)8-331231 Poison information

SECTION 2: Hazards identification

2.1 Classification:

Classification CLP (1272/2008/EC)

Acute toxicity - Category 4; H312

Skin irritation - Category 2; H315

Serious eye damage - Category 1; H318

2.2 Label elements:

Pictogram



Signal Word: Danger

Containing substances

2-Aminoethanol, 2-Butoxyethanol

Hazard statement Code(s)

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary statements

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

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

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.

P362 Take off contaminated clothing and wash before reuse.

P501 Dispose of contents/container to an authorized waste treatment plant.

2.3 Other hazards

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

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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)*
2-Butoxyethanol	111-76-2 203-905-0 01-2119475108-36-xxxx	10-25	Acute Tox. 4 Acute Tox. 4 Skin Irrit. 2 Eye Irrit. 2 Acute Tox. 4	H302 H312 H315 H319 H332
2-Phenoxyethanol	122-99-6 204-589-7 01-2119488943-21-xxxx	1-10	Acute Tox. 4 Eye Irrit. 2	H302 H319
2-Aminoethanol	141-43-5 205-483-3	1-<5	Acute Tox. 4 Acute Tox. 4 Acute Tox. 4 Skin Corr. 1B STOT Single 3	H302 H312 H332 H314 H335
Alcohols C9-11 ethoxylated	68439-46-3 -	3-10	Eye Dam. 1	H318

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

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

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

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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. Contact a doctor if the complaints persist.

Skin contact

Immediately, take off all contaminated clothing/shoes. Wash with soap and water and rinse the skin thoroughly. Contact a doctor if the complaints persist.

Eye contact

Important! Rinse immediately with water for at least 15 minutes. Hold eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Go to hospital or eye specialist. If possible, continue to rinse during transport.

Ingestion

Rinse mouth with water and drink several glasses of water or milk. Do not provoke vomiting. Get medical attention immediately.

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

Inhalation: Could be irritating to the respiratory system. Emit vapors of organic solvents which may cause drowsiness and dizziness.. High concentrations may cause headache and poisoning

Skin contact: Harmful by skin contact. Contain substances which can easily be absorbed through the skin. Irritating to skin. (Redness, pain)

Eye contact: Give severe pain and irritation. May severely injure the eyes.

Ingestion: Ingestion can cause nausea, pain and poisoning.

4.3 Indication of any immediate medical attention and special treatment needed

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SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Water spray, foam, dry powder or carbon dioxide.

Unsuitable Extinguishing Media: Water jet.

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

Wear a self-contained breathing apparatus and protective clothing.

Additional information

Cool endangered containers with water in case of fire.

Move containers from fire area if it can be done without risk.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

Avoid contact with skin and eyes.

Ensure adequate ventilation.

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. Small quantities may be wiped up with a cloth. Contain larger spill with inert material. Absorb in vermiculite, dry sand or earth. Flush with water.

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

Use personal protective equipment.

Avoid contact with skin and eyes.

Ensure adequate ventilation.

Normal precautions taken when handling chemicals should be observed.

Provide eyewash station.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool and well ventilated area.

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.

Provide eyewash station.

Exposure limits:

Swedish limit values or limit values according to the European commission

Substance	CAS-No	Level limit value	Ceiling limit value	Short time value	Note
2-Butoxyethanol	111-76-2	10 ppm 50 mg/m ³	-	20 ppm 100 mg/m ³	H
2-Aminoethanol	141-43-5	3 ppm 8 mg/m ³	-	6 ppm 15 mg/m ³	H

Explanation note:

H = Substance can easily be absorbed through the skin..

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SECTION 8: Exposure controls/personal protection (...)

DNEL

<p>2-Butoxyethanol (111-76-2)</p>	<p>Long term exposure - Consumers Systematic effects, oral: 3,2 mg/kg bw/day Long term exposure - Workers Systematic effects, inhalation: 98 mg/m³ Short term exposure - Consumers Systematic effects: 44,5 mg/kg bw/day Short term exposure - Consumers Systematic effects, inhalation: 426 mg/m³ Short term exposure - Consumers Systematic effects, oral: 13,4 mg/kg bw/day Short term exposure - Consumers Local effects, inhalation: 123 mg/m³ Long term exposure - Consumers Systematic effects, dermal: 38 mg/kg bw/day Long term exposure - Consumers Systematic effects, inhalation: 49 mg/m³ Short term exposure - Workers Systematic effects, dermal: 89 mg/kg Short term exposure - Workers Systematic effects, inhalation: 663 mg/m³ Short term exposure - Workers Local effects, inhalation: 246 mg/m³ Long term exposure - Workers Systematic effects, dermal: 75 mg/kg</p>
<p>2-Phenoxyethanol (122-99-6)</p>	<p>Long term exposure - Workers Systematic effects, dermal: 34,72 mg/kg Long term exposure - Workers Systematic effects, inhalation: 8,07 mg/m³ Long term exposure - Workers Local effects, inhalation: 8,07 mg/m³ Short term exposure - Consumers Systematic effects, oral: 17,43 mg/kg bw/day Long term exposure - Consumers Systematic effects, dermal: 20,83 mg/kg bw/day Long term exposure - Consumers Systematic effects, inhalation: 2,41 mg/m³ Long term exposure - Consumers Systematic effects, oral: 17,43 mg/kg bw/day Long term exposure - Consumers Local effects, inhalation: 2,41 mg/m³</p>

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SECTION 8: Exposure controls/personal protection (...)

PNEC

2-Butoxyethanol (111-76-2)	3,46 mg/kg	Sediment, Seawater
2-Butoxyethanol (111-76-2)	34,6 mg/kg	Sediment, Freshwater
2-Butoxyethanol (111-76-2)	463 mg/l	Sewage Treatment Plant
2-Butoxyethanol (111-76-2)	9,1 mg/l	Sporadic release
2-Butoxyethanol (111-76-2)	0,88 mg/l	Seawater
2-Butoxyethanol (111-76-2)	8,8 mg/l	Freshwater
2-Butoxyethanol (111-76-2)	3,13 mg/kg	Soil
2-Phenoxyethanol (122-99-6)	0,943 mg/l	Freshwater
2-Phenoxyethanol (122-99-6)	0,0943 mg/l	Seawater
2-Phenoxyethanol (122-99-6)	3,44 mg/l	Sporadic release
2-Phenoxyethanol (122-99-6)	24,8 mg/l	Sewage Treatment Plant
2-Phenoxyethanol (122-99-6)	7,2366 mg/kg	Sediment, Freshwater
2-Phenoxyethanol (122-99-6)	0,7237 mg/kg	Sediment, Seawater
2-Phenoxyethanol (122-99-6)	1,26 mg/kg	Soil

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

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

Eye protection

Wear tightly fitting protective goggles.

Hand protection

Use chemical-resistant gloves. (E.g. Butyl rubber)

Clothing requirements

Wear suitable protective clothing.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Form:	Liquid
Colour:	Transparent
Odour:	Neutral
Odor threshold:	Not available
pH-value (Conc.):	9
Melting point/ Freezing point (°C):	Not available
Boiling point/range: (°C):	Not available
Flash point (°C):	>100°C
Evaporation rate:	Not available
Flammability (solid, gas):	Not available
Upper / lower flammability limits or explosive limits:	Not available
Vapour pressure:	Not available
Vapour density (air=1):	Not available
Density:	Not available
Solubility in water:	Miscible
Partition coefficient: n-octanol/water:	Not available
Auto-ignition temperature (C):	Not available
Decomposition temperature (°C):	Not available
Viscosity:	Not available
Explosive properties:	Not available
Oxidising properties:	Not available

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

No known.

10.4 Conditions to avoid

No known.

10.5 Incompatible materials

Strong oxidizing agents. Strong acids and strong bases.

10.6 Hazardous decomposition products

No hazardous decompositions products known under recommended handling conditions.

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

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

Inhalation

Could be irritating to the respiratory system. Emit vapors of organic solvents which may cause drowsiness and dizziness.. High concentrations may cause headache and poisoning

Skin contact

Harmful by skin contact. Contain substances which can easily be absorbed through the skin. Irritating to skin.

Eye contact

Corrosive

Ingestion

Ingestion can cause nausea, pain and poisoning.

Acute toxicity

Information about this preparation is not available.

Toxicology data for the containing components:

2-Butoxyethanol (111-76-2)	LD ₅₀ Oral rat: 1746 mg/kg LC ₅₀ Inhaled rat 24h: >2000 mg/kg LC ₅₀ Inhaled rat 7h: >4,26 mg/l
2-Phenoxyethanol (122-99-6)	LD ₅₀ Oral rat: >300-2000 mg/kg LC ₅₀ Inhaled rat 14 days: >1 mg/l LD ₅₀ Dermal rat: >2000 mg/kg
2-Aminoethanol (141-43-5)	LD ₅₀ Oral rat: 1090 mg/kg
Alcohols C9-11 ethoxylated (68439-46-3)	LD ₅₀ Oral rat: >5000 mg/kg LD ₅₀ Dermal: >2000 mg/kg

STOT-single exposure -repeated exposure

During very extensive exposure is a danger of kidney damage and anemia.

Routes of exposure

Inhalation, eyes and skin. (Ingestion)

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 and toxic for reproduction.

Other information

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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:

2-Butoxyethanol (111-76-2)	LC ₅₀ Fish 48h: 1700 mg/l Sp: Pimephales promelas EC ₅₀ Algae 72h: 911 mg/l Sp: Pseudokirchnerella subcapitata EC ₅₀ Daphnia 48h: 1800 mg/l Sp: D. Magna
2-Phenoxyethanol (122-99-6)	LC ₅₀ Fish 96h: >100 mg/l Sp: Pimephales promelas EC ₅₀ Daphnia 48h: >100 mg/l Sp: D. Magna
2-Aminoethanol (141-43-5)	LC ₅₀ Fish 96h: 125 mg/l EC ₅₀ Daphnia 48h: 33 mg/l
Alcohols C9-11 ethoxylated (68439-46-3)	LC ₅₀ Fish 96h: >1-10 mg/l EC ₅₀ Daphnia 48h: >1-10 mg/l EC ₅₀ Algae 72h: >1-10 mg/l

12.2 Persistence and degradability

2-Butoxyethanol (111-76-2) - Readily biodegradable.

2-Phenoxyethanol (122-99-6) - Readily biodegradable.

Alcohols C9-11 ethoxylated (68439-46-3) - Readily biodegradable.

12.3 Bioaccumulative potential

Does not bioaccumulate. - 2-Butoxyethanol (111-76-2)

Not expected to bioaccumulate. - 2-Phenoxyethanol (122-99-6)

Not expected to bioaccumulate. - Alcohols C9-11 ethoxylated (68439-46-3)

12.4 Mobility in soil

No information available.

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:

Dispose of in accordance with local authority requirements.

Hazardous waste.

Do not empty into drain.

EWC code: Depends on line of business and use.

Suggested EWC-code: 20 01 29* detergents containing dangerous substances.

Disposal of Packaging:

Empty and 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.

14.1 UN number

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14.2 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

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14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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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

No conducted.

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SECTION 16: Other information

The full text of Hazard statement Codes listed under section 3:

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

This information is provided for health and safety assessments by an industrial user. Reference should be made to any relevant local or national health, safety, and environmental legislation.

Version 3: 2015-11-11

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

Previous versions:

Version 1: 2011-01-05

Version 2: 2013-10-14

Sources

Safety data sheet provided by the manufacturer. CLP-regulation
www.kemi.se (Database), AFS 2011:18, www.ecb.europa.eu (Database).

Abbreviations explanations

ADR: International Carriage of Dangerous Goods by Road

BCF: Bio Concentration Factor

CAS-nr: Chemical Abstracts Service number

EC₅₀: Effect Concentration

EG-nr: A substance number i Einecs, Elincs or in No-Longer Polymers List.

IMDG: International Maritime Dangerous Goods Code.

LC₅₀: Lethal Concentration

LD₅₀: Lethal Dose

IC₅₀: Median Inhibition Concentration

NOEC: No Observed Effect Concentration

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

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

NOEC: No Observed Effect Concentration
