

Date: 2020-11-13 (Version 2)

PICA T3

SECTION1: Identification of the substance/preparation and of the company/undertaking

1.1 Product identifier	PICA T3
1.2 Relevant identified uses of the substance or mixture and uses advised against	Detergent
1.3 Details of the supplier of the safety data sheet	PICA Kemi AB
Address	Kabingatan 13 21239 Malmö, Sverige
Telephone/ telefax	+46 (0)40-185820/+46 (0)40-185823
Contact	www.picakemi.se/picakemi@picakemi.se
1.4 Emergency telephone number	Less urgent cases during office hours +46(0)10-4566700 Swedish poison information

SECTION 2: Hazards identification

2.1 Classification:

Classification CLP (1272/2008/EC)

Skin corrosion - Category 1B; H314

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

2.2 Label elements:

Pictogram



Signal Word: Danger

Containing substances

Potassium hydroxide

Hazard statement Code(s)

H314 Causes severe skin burns and eye damage.

Precautionary statements

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

P261 Avoid breathing vapours/spray.

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

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.

Classification comments

The product is classified as corrosive H314 because of its high pH value (13)

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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)*
D-Glucopyranose, oligomeric, heptyl glycoside	1627851-18-6 807-654-3 01-2120088889-28	1-5	Eye Dam. 1	H318
Oxirane, 2-methyl-, polymer with oxirane, mono(2- propylheptyl) ether	166736-08-9	0,5-<2	Eye Dam. 1 Acute Tox. 4	H318 H302
Potassium hydroxide**	1310-58-3 215-181-3 -	0,5-<2	Met. Corr. 1 Acute Tox. 4 Skin Corr. 1A	H290 H302 H314

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

** SCL / Specific concentration limits

Eye Irrit. 2; H319: $0,5 \% \leq C < 2 \%$

Skin Corr. 1A; H314: $C \geq 5 \%$

Skin Corr. 1B; H314: $2 \% \leq C < 5 \%$

Skin Irrit. 2; H315: $0,5 \% \leq C < 2 \%$

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 <http://echa.europa.eu> (database)

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

Wash with soap and water and rinse the skin thoroughly. Possible caustic injury should be treated by a doctor.

Eye contact

Important! Rinse immediately with water for at least 15 minutes. Hold eyelids apart. Remove contact lenses, if present and easy to do. Go to hospital. 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.

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SECTION 4: First aid measures (...)

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

Inhalation: The vapours may be irritating to the respiratory system.
Skin contact: May cause chemical burns with blisters, sores or burns which may be difficult to heal.
Eye contact: Give severe pain and irritation. May severely injure the eyes.
Ingestion: Corrosive in the mouth, throat and gastrointestinal tract. Symptoms burning pain, vomiting and stomach pains. Vomiting may aggravate the injury.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Water spray, foam, dry 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

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.

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 concentrated product 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. Do not forget protective gloves! 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.

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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

Keep container tightly closed and separated from strong acids.

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 (AFS 2018:1):

Substance	CAS-No	Level limit value	Ceiling limit value	Short time value	Note
Potassium hydroxide – breathable dust	1310-58-3	1 mg/m ³	2 mg/m ³	-	-

British limit values EH40/2005 Workplace exposure limits

Substance	CAS-No	Long-term exposure limit	Short-term exposure limit	Comments
Potassium hydroxide	1310-58-3	-	2 mg/m ³	-

8.2 Exposure controls:

General protective and hygiene measures

Wash hands before breaks and after work. Avoid contact with skin and eyes.

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. (Particlefilter P3)

Eye protection

Wear tightly fitting protective goggles.

Hand protection

Use chemical-resistant gloves. (E.g. Nitrile rubber, PVC)

When selection gloves, several parameters must be taken into account, usage, handling time, breakthrough time.

Clothing requirements

Wear chemical resistant protective clothing.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Form:	Liquid
Colour:	Not available
Odour:	Not available
Odor threshold:	Not available
pH-value (Conc.):	13
Melting point/ Freezing point (°C):	Not available
Boiling point/range: (°C):	Not available
Flash point (°C):	Not available
Evaporation rate:	Not available
Flammability (solid, gas):	non-flammable
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:	Not available
Partition coefficient: n-octanol/water:	Not available
Auto-ignition temperature (C):	Not available
Decomposition temperature (°C):	Not available
Viscosity:	Not available
Explosive properties:	No explosive properties.
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

May corrode some plastics and metals. Strong acids.

10.6 Hazardous decomposition products

No hazardous decomposition 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

The vapours may be irritating to the respiratory system.

Skin contact

Could be corrosive due to high pH-value.

Eye contact

Corrosive

Ingestion

Could be corrosive due to high pH-value.

Acute toxicity

Information about this preparation is not available.

Toxicology data for the containing components:

Potassium hydroxide (1310-58-3)	LD ₅₀ Oral rat: 273 mg/kg
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STOT-single exposure -repeated exposure

No known.

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.

Danger to aspiration

No

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:

Potassium hydroxide (1310-58-3)	LC ₅₀ Fish 96h: 80mg/l
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SECTION 12: Ecological information (...)

12.2 Persistence and degradability

Potassium hydroxide (1310-58-3) -Not readily biodegradable.

12.3 Bioaccumulative potential

No information available.

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.

SECTION 14: Transport information

The product is classified as dangerous goods according to ADR/RID, IMDG.

14.1 UN number

1814

14.2 Proper shipping name (IMDG, IATA/ICAO)

POTASSIUM HYDROXIDE, SOLUTION

14.3 Transport hazard class(es)

8

14.4 Packing group

III

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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Tunnel restriction code

(E)

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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.

SECTION 16: Other information

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

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

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.

Classification comments

The product is classified as corrosive H314 because of its high pH value (13) and not because of its containing substances.

Version 2: 2020-11-13

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

Version 1: 2017-01-18

Sources

Safety data sheet provided by the manufacturer. CLP-regulation
www.kemi.se (Database), AFS 2018:1, <http://echa.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