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

1.1 Product identifier	PICA T3 UFI: J500-C0AC-500D-X7J7
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	Teknikvägen 3 245 34 Staffanstorp, Sweden
Telephone/ telefax	+46 (0)40-185820
Contact	www.picakemi.se/picakemi@picakemi.se
1.4 Emergency telephone number	For poison information call, NHS 111 (England), NHS 24 (Scotland) or NHS Direct (Wales), in emergencies call 999.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification CLP (1272/2008/EC)
Skin corrosion/irritation, Hazard 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.
Does not contain an endocrine disruptor (EDC) in a concentration of ≥ 0.1%.
Classification comments
The product is classified as corrosive H314 because of its high pH value (13)

SECTION 3: Composition/information on ingredients

3.2 Mixtures

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 % ≤ C < 2 %
Skin Corr. 1A; H314: C ≥ 5 %
Skin Corr. 1B; H314: 2 % ≤ C < 5 %
Skin Irrit. 2; H315: 0,5 % ≤ 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 unless directed by medical personnel. Get medical attention.

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.

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)
-

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/m³	2 mg/m³	-	-

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/m³	-

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. Nitrili rubber, PVC)
When selection gloves, several parameters must be taken into account, usage, handling time, breakthrough time.
Clothing requirements
Wear chemical resistant 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	Non-flammable
Lower and upper explosion limit	Not determined
Flash point	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
pH	13 (Conc.)
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 relevant

9.2 Other information

No further information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage and handing conditions.

10.2 Chemical stability

Stable under recommended storage and handing 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 decompositions products known under recommended handing 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)

Irritating/corrosive properties

Causes severe skin burns and eye damage.

Acute toxicity

Not classified as acutely toxic.

Toxicology data

Information about this preparation is not available.

SECTION 11: Toxicological information (…)

Toxicology data for the containing components:

Potassium hydroxide (1310-58-3)	LD_{50} Oral rat: 273 mg/kg

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
11.2 Information on other hazards
Does not contain an endocrine disruptor (EDC) in a concentration of ≥ 0.1%.

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

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 Endocrine disrupting properties
Does not contain an endocrine disruptor (EDC) in a concentration of ≥ 0.1%.
12.7 Other adverse effects
No known

ECTION 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 or ID number
1814

14.2 UN proper shipping name
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
-

14.7 Maritime transport in bulk according to IMO instruments
-

Tunnel restriction code
(E)

LQ
5L

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Classification according to Regulation (EC) No. 1907/2006 annex II and EC/2020/878. EH40/2005.

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 3: 2022-12-12
Safety data sheet according to Regulation (EC) No. 1907/2006 annex II and EC/2020/878.
Changes made in section 1.4; 2.1; 2.3; 4.1; 11.1; 11.2; 12.6; 15.1 & 16.

Previous versions
Version 2: 2020-11-13

SECTION 16: Other information (…)

Sources

Safety data sheet provided by the manufacturer.
CLP-regulation, www.kemi.se, EH40/2005. www.echa.europa.eu (Databases)

Abbreviations explanations

ADR: International Carriage of Dangerous Goods by Road
BCF: Bio Concentration Factor
CAS-nr: Chemical Abstracts Service number
EC_{50}: Effect Concentration
EG-nr: A substance number i Einecs, Elincs or in No-Longer Polymers List.
IMDG: International Maritime Dangerous Goods Code.
LC_{50}: Lethal Concentration
LD_{50}: Lethal Dose
IC_{50}: 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