Revision date: 2024-11-27 (Version 3)

Pica 141

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

1.1 Product identifier	Pica 141 UFI: VH00-D02X-D00C-KKVG
1.2 Relevant identified uses of the substance or mixture and uses advised against	Graffiti remover.
1.3 Details of the supplier of the safety data sheet	PICA Kemi AB
Address	Teknikvägen 3 245 34 STAFFANSTORP, Sweden
Telephone	+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 1A: H314
Serious eye damage/eye irritation, Hazard Category 1: H318
2.2 Label elements
Pictogram

Signal Word: Danger

Contents
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.
P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/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).

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)*
2-(2-ethoxyethoxy)ethanol	111-90-0 203-919-7 01-2119475105-42	70 - 90	-	-
Potassium hydroxide ** Index: 019-002-00-8	1310-58-3 215-181-3	10 - 20	Acute tox 4 Skin Corr 1A Eye Dam. 1	H302 H314 H318
2-aminoethanol *** Index: 603-030-00-8	141-43-5 205-483-3 01-2119486455-28	1 - <5	Acute Tox. 4 Acute Tox. 4 Skin Corr. 1B Acute Tox. 4 STOT Single 3	H302 H312 H314 H332 H335

* The full text of Hazard statement Codes are listed under section 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%
*** SCL = Specific concentration limits
STOT SE 3; H335: C ≥ 5%
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. Keep person warm and calm.
Never give fluids or induce vomiting if patient is unconscious.

Inhalation
Fresh air.

Skin contact
Immediately, take off all contaminated clothing. Wash with soap and water and rinse the skin thoroughly.
Corrosion 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. 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. Do not induce vomiting unless directed by medical personnel. Seek medical treatment.

SECTION 4: First aid measures (...)

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

Inhalation:	High concentrations of vapor can irritate the nose and throat.
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:	Can cause corrosive damage to the esophagus and stomach. Vomiting can worsen 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 mist, carbon dioxide, powder or foam.

5.2 Special hazards arising from the substance or mixture

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

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 larger amounts of concentrated product into surface water or sanitary sewer system.

6.3 Methods and material for containment and cleaning up

Re-use the product if possible. Small quantities may be wiped up with a cloth. Don't forget protective gloves!
Larger spill: Contain spill with inert material. Absorb in vermiculite, dry sand or earth. Flush afterwards with water.

6.4 Reference to other sections

See Section 7 for proper handling and storage.
For personal protection see section 8.
Collected waste is placed in closed metal containers and disposed of as waste according to 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 skin and eyes.
Provide eyewash station.
Read instructions before use.

SECTION 7: Handling and storage (…)

7.2 Conditions for safe storage, including any incompatibilities
Store in tightly closed container.
7.3 Specific end use(s)
Graffiti remover.

SECTION 8: Exposure controls/personal protection

8.1 Appropriate engineering controls
Ensure adequate ventilation.
Provide eyewash station.

Exposure limits
Swedish limit values (AFS 2023:14)

Substance	CAS-No	Level limit value	Short time value	Note
2-(2-ethoxyethoxy)ethanol	111-90-0	15 ppm 80 mg/m³	30 ppm 170 mg/m³	H, V
Potassium hydroxide - Inhalable dust	1310-58-3	1 mg/m³	2 mg/m³	-
2-aminoethanol	141-43-5	1 ppm 2,5 mg/m³	3 ppm 7,5 mg/m³	H, 23

Explanation of note
H = The substance can easily be absorbed through the skin.
V = Indicative short-term limit value.
23 = The substance has an indicative EU limit value.

British limit values (EH40/2005 Workplace exposure limits)

Substance	CAS Nr	Long-term exposure Limit	Short-term exposure limit	Comments
Potassium hydroxide	1310-58-3	-	2 mg/m³	-
2-Aminoethanol	141-43-5	1 ppm 2,5 mg/m³	3 ppm 7,6 mg/m³	Sk

Sk = Can be absorbed through the skin.

DNEL

2-(2-ethoxyethoxy)ethanol (111-90-0)	Long-term exposure - Workers Systemic effects, dermal: 50 mg/kg body weight/day Long-term exposure - Workers Systemic effects, inhalation: 37 mg/m³ Long-term exposure - Workers Local effects, inhalation: 18 mg/m³ Long-term exposure - Consumers Systemic effects, dermal: 25 mg/kg body weight/day Long-term exposure - Consumers Systemic effects, inhalation: 18.3 mg/m³ Long-term exposure - Consumers Systemic effects, oral: 25 mg/kg body weight/day Long-term exposure - Consumers Local effects, inhalation: 9 mg/m³

SECTION 8: Exposure controls/personal protection (…)

DNEL

Potassium hydroxide (1310-58-3)	Long-term exposure - Workers Local effects, inhalation: 1 mg/m³
2-aminoethanol (141-43-5)	Long-term exposure - Workers Systemic effects, dermal: 1 mg/kg Long-term exposure - Workers Local effects, inhalation: 3.3 mg/m³ Long-term exposure - Consumers Systemic effects, dermal: 0.24 mg/kg Long-term exposure - Consumers Systematic and local effects, inhalation: 2 mg/m³ Long-term exposure - Consumers Systemic effects, oral: 3.75 mg/kg

PNEC

2-(2-ethoxyethoxy)ethanol (111-90-0)	0,74 mg/l	Freshwater
2-(2-ethoxyethoxy)ethanol (111-90-0)	0,074 mg/l	Seawater
2-(2-ethoxyethoxy)ethanol (111-90-0)	10 mg/l	Intermittent releases
2-(2-ethoxyethoxy)ethanol (111-90-0)	500 mg/l	Sewage Treatment Plant
2-(2-ethoxyethoxy)ethanol (111-90-0)	2,47 mg/kg	Sediment Freshwater
2-(2-ethoxyethoxy)ethanol (111-90-0)	0,274 mg/kg	Sediment Seawater
2-(2-ethoxyethoxy)ethanol (111-90-0)	0,15 mg/kg	Soil
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)	0,028 mg/l	Intermittent releases
2-aminoethanol (141-43-5)	0,434 mg/kg	Sediment Freshwater
2-aminoethanol (141-43-5)	0,0434 mg/kg	Sediment Seawater
2-aminoethanol (141-43-5)	1,29 mg/kg	Soil
2-aminoethanol (141-43-5)	100 mg/l	Sewage Treatment Plant

8.2 Exposure controls

General protective and hygiene measures

Wash hands during work breaks and at the end of the shift.
Avoid contact with skin and eyes.
The usual precautionary measures for the handing of chemicals have to be observed.

Individual protection measures, such as personal protective equipment

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

Respiratory protection

In case of insufficient ventilation or if the concentration exceeds workplace limits a respirator fit for purpose must be used.

Eye protection

Wear tightly fitting protective goggles.

Hand protection

Use chemical resistant gloves. (E.g. Nitrile rubber)
When selection gloves, several parameters must be taken into account, usage, handling time, breakthrough time.etc

Body protection

Wear chemical resistant clothes.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Dark brown
Odour	Characteristic
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	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
pH	14 (Concentrate)
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. The product is a liquid.

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
Avoid contact with strong acids, bases and strong oxidizing agents.
10.6 Hazardous decomposition products
No known under recommended storage and 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 according to CLP.
Toxicology data
Information about this preparation is not available.

SECTION 11: Toxicological information (…)

Toxicology data for the containing components

2-(2-ethoxyethoxy)ethanol (111-90-0)	LD_{50} Oral Rat: 6300 mg/kg LD_{50} Dermal Rabbit: ~8500 mg/kg LC_{50} Inhalation Rat 4h: >5,24 mg/l
Potassium hydroxide (1310-58-3)	LD_{50} Oral Rat: 333 mg/kg
2-aminoethanol (141-43-5)	LD_{50} Oral Rat: 1515 mg/kg LD_{50} Dermal Rabbit: 2504 mg/kg LC_{50} Inhalation Råtta 6h: >1,3 mg/l

STOT-single exposure -repeated exposure
No known.
Routes of exposure
Eyes and skin, inhalation, (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.
Aspiration hazard
No.
11.2 Information on other hazards
Does not contain an endocrine disruptor (EDC).

SECTION 12: Ecological information

This product is not classified as dangerous for the environment.
Avoid uncontrolled releases to surface water and sewage
12.1 Toxicity
Information about this preparation is not available.

Toxicology data for the containing components:

2-(2-ethoxyethoxy)ethanol (111-90-0)	LD_{50} Fish 96h: >10000 mg/l EC_{50} Algea 96h: >100 mg/l LC_{50} Daphnia 48h: 1982 mg/l
Potassium hydroxide (1310-58-3)	LC_{50} Fish 96h: 80 mg/l Sp: Gambusia affinis
2-aminoethanol (141-43-5)	LC_{50} Fish 96h: 349 mg/l Sp: Cyprinus carpio LC_{50} Fish 96h: 105 mg/l Sp: Oncorhynchus mykiss EC_{50} Daphnia 48h: 27.04 mg/l Sp: Daphnia magna EC_{50} Algea 7h: 2.8 mg/l Sp: Selenastrum capricornutum EC_{10} Algea 72h: 0,7 mg/l Sp: Pseudokirchneriella subcapitata

12.2 Persistence and degradability
2-(2-ethoxyethoxy)ethanol (111-90-0) – Readily biodegradable. 87% 20D
2-aminoethanol (141-43-5) – Readily biodegradable. >90% 21D
12.3 Bioaccumulative potential
2-(2-ethoxyethoxy)ethanol (111-90-0) – Does not bioaccumulate.
2-aminoethanol (141-43-5) – Does not bioaccumulate.
12.4 Mobility in soil
Soluble in water.

SECTION 12: Ecological information (…)

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).
12.7 Other adverse effects
No known

SECTION 13: Disposal considerations

13.1 Waste treatment methods:
This product or residues of concentrated product is classified as hazardous waste. Dispose of in accordance with local authority requirements. Do not empty into drain.
Suggested EWC code: Depends on line of business and use. for example:
07 06 04* other organic solvents, washing liquids and mother liquors
Disposal of Packaging:
Well cleaned packaging could be left for recycling.

SECTION 14: Transport information

The product is classified as dangerous goods according to ADR/RID, IMDG, IATA-DGR.
14.1 UN number or ID number
1760
14.2 UN proper shipping name
CORROSIVE LIQUID N.O.S (POTASSIUM HYDROXIDE)
14.3 Transport hazard class(es)
8
14.4 Packing group
I
14.5 Environmental hazards
Marine pollutant: No
14.6 Special precautions for user
-
14.7 Maritime transport in bulk according to IMO instruments
-
LQ
1L
Tunnel restriction code
(E)

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.
(EU) REACH Annex XVII
None listed.
(EU) Candidate list of SVHC substances
None listed.

SECTION 15: Regulatory information (…)

(EU) REACH Annex XIV
None listed.
15.2 Chemical safety assessment
No conducted.

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.
H318 Causes serious eye damage.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.

The user of this product must decide if the information in this safety data sheet is sufficient for which the product will be used.

Version 3: 2024-11-27
Safety data sheet according to Regulation (EC) No. 1907/2006 annex II and EC/2020/878.
Changes made in section 2.1, 2.2, 3.2, 4.2, 8.1, 11.1, 12.1, 12.2, 12.3, 15.1 & 16.

Previous versions
Version 1: 2020-06-01
Version 2: 2022-12-12

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