Safety data sheet

According to (EC) No. 1907/2006 and (EC) 2020/878

Pica 781

Date of last issue: 2020-10-01 (Version 4)

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

1.1 Product identifier	Pica 781
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	Kabingatan 13 SE-212 39 Malmö
Telephone	+46 (0)40-185820
Homepage/E-mail	www.picakemi.se/picakemi@picakemi.se
1.4 Emergency telephone number	Minor emergency cases during office hours +46(0)10-4566700 Swedish poison information center.

SECTION 2: Hazards identification

2.1 Classification

Classification CLP (1272/2008/EC)

Not classified as dangerous in accordance with CLP

2.2 Label elements

Pictogram

-

Signal Word: None

Contents

-

Hazard statement Code(s)

None

Precautionary statements

None

2.3 Other hazards

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

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)*
Dimethyl glutarate	1119-40-0 214-277-2 01-2119475445-32-0005	20-40	-	-
Dimethyl adipate	627-93-0 211-020-6 01-2119475445-32-0005	5-15	-	-
Dimethyl succinate	106-65-0 203-419-9 01-2119475445-32-0005	5-15	-	-
2-(2-ethoxyethoxy)ethanol	111-90-0 203-919-7 01-2119475105-42	15-20	-	-
2-butoxyethanol 603-014-00-0	111-76-2 203-905-0 01-2119475108-36	1-<10	Acute tox. 4 Acute tox. 4 Skin Irrit. 2 Eye Irrit. 2 Acute tox. 4	H302 H312 H315 H319 H332
benzyl alcohol Index: 603-057-00-5	100-51-6 202-589-9 01-2119492630-38	1-<10	Acute Tox. 4 Acute Tox. 4	H302 H332

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

Inhalation

Fresh air.

Skin contact

Take off all contaminated clothing wash with soap and water and rinse the skin thoroughly.

Eye contact

Rinse with lukewarm water for several minutes. Hold eyelids apart. Remove contact lenses, if present and easy to do. Contact a doctor if the complaints persist.

Ingestion

Rinse mouth with water and drink several glasses of water. Do not induce vomiting. Contact a doctor .

SECTION 4: First aid measures (…)

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

Inhalation:	May be irritating if inhaled (Cough)
Skin contact:	May be irritating on skin contact. (Redness, burning)
Eye contact:	May be irritating to eyes. (Pain, redness)
Ingestion:	Ingestion may cause discomfort.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Foam, powder, carbon dioxide.
Do not use strong water jet, foam with environmentally hazardous substances.

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 Special protective equipment

Wear a self-contained breathing apparatus and protective clothing.

5.4 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.

6.2 Environmental precautions

Do not flush 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. Larger spill: Contain spill with inert material. Absorb in vermiculite, dry sand or dirt.

6.4 Reference to other sections

See Section 7 for proper handling and storage.
For personal protection see section 8.
For disposal of spillage, see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Normal precautions taken when handling chemicals should be observed.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed container.

7.3 Specific end use(s)

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SECTION 8: Exposure controls/personal protection

8.1 Appropriate engineering controls

Ensure good ventilation at the workplace.

Exposure limits

Swedish limit values or limit values according to the European commission

Substance	CAS-No	Level limit value	Short time value	Note
2-(2-ethoxyethoxi)ethanol	111-90-0	15 ppm 80 mg/m³	30 ppm 170 mg/m³	H,V
2-butoxyethanol	111-76-2	10 ppm 50 mg/m³	50 ppm 246 mg/m³	
Dimetyladipat	627-93-0	5 ppm 36 mg/m³	-	-
Dimetylglutarat	1119-40-0	5 ppm 33 mg/m³	-	-
Dimetylsuccinat	106-65-0	5 ppm 30 mg/m³	-	-

Explanation of note

V = Indicative short-term limit value. H = The substance can be easily absorbed through the skin.

British limit values (EH40/2005 Workplace exposure limits)

Substance	CAS Nr	Long-term exposure Limit	Short-term exposure limit	Comments
2-Butoxyethanol	111-76-2	25 ppm 123 mg/m³	50 ppm 246 mg/m³	Sk, BMGV

SECTION 8: Exposure controls/personal protection (…)

DNEL

2-butoxyethanol (111-76-2)	Long term exposure - Consumers Systematic effects, oralt: 3,2 mg/kg Short term exposure – Consumers Systematic effects, oralt: 44,5 mg/kg Short term exposure – Consumers Systematic effects, oralt: 13,4 mg/kg Short term exposure – Consumers Local effects, inhalation: 123 mg/m³ Long term exposure - Consumers Systematic effects, dermalt: 38 mg/kg Long term exposure - Consumers Systematic effects, inhalation: 49 mg/m³ Short term exposure – Workers Systematic effects, dermalt: 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, dermalt: 75 mg/kg Long term exposure - Workers Systematiska effekter, inhalation: 98 mg/m³
2-(2-ethoxyethoxy)ethanol (111-90-0)	Long term exposure - Consumers Local effects, inhalation: 9 mg/m3 Long term exposure - Consumers Systematic effects, inhalation: 18,3 mg/m³ Long term exposure - Consumers Systematic effects, dermal: 25 mg/kg Long term exposure - Consumers Systematic effects, Oral: 25mg/kg Long term exposure - Workers Local effects, 18 mg/m3 Long term exposure - Workers Systematic effects, inandning: 37 mg/m³ Long term exposure - Workers Systematic effects, dermal: 50mg/kg

SECTION 8: Exposure controls/personal protection (…)

DNEL

Benzyl alcohol (100-51-6)	Long term exposure - Workers Systematic effects, inhalation: 22 mg/m^3 Short term exposure – Workers Systematic effects, inhalation: 110 mg/m^3 Long term exposure - Workers Systematic effects, Dermalt: 8 mg/kg Short term exposure – Workers Systematic effects, Dermalt: 40 mg/kg Long term exposure - Consumers Systematic effects, inhalation: 5,4 mg/m^3 Short term exposure – Consumers Systematic effects, inhalation: 27 mg/m^3 Long term exposure - Consumers Systematic effects, Dermalt: 4 mg/kg Short term exposure – Consumers Systematic effects, dermalt: 20 mg/kg Long term exposure - Consumers Systematic effects, Oralt: 4 mg/kg Short term exposure – Consumers Systematic effects, Oralt 20 mg/kg

PNEC

2-(2-ethoxyethoxy)ethanol (111-90-0)	0,15 mg/kg	Earth
2-(2-ethoxyethoxy)ethanol (111-90-0)	10 mg/L	Intermittent releases
2-(2-ethoxyethoxy)ethanol (111-90-0)	0,74 mg/L	Freshwater
2-(2-ethoxyethoxy)ethanol (111-90-0)	0,0074mg/L	Seawater
Benzyl alcohol (100-51-6)	1,0 mg/l	Freshwater
Benzyl alcohol (100-51-6)	0,1 mg/l	Saltvatten
Benzyl alcohol (100-51-6)	5,27 mg/kg	Sediment Freshwater
Benzyl alcohol (100-51-6)	0,527 mg/kg	Sediment Seawater
Benzyl alcohol (100-51-6)	0,456 mg/kg	Earth
Benzyl alcohol (100-51-6)	39 mg/l	Sewage Treatment Plant
2-butoxyethanol (111-76-2)	8,8 mg/l	Freshwater
2-butoxyethanol (111-76-2)	0,88 mg/l	Seawater
2-butoxyethanol (111-76-2)	34,6 mg/kg	Sediment Freshwater
2-butoxyethanol (111-76-2)	3,46 mg/kg	Sediment Seawater
2-butoxyethanol (111-76-2)	2,8 mg/kg	Earth
2-butoxyethanol (111-76-2)	463 mg/l	Sewage Treatment Plant

SECTION 8: Exposure controls/personal protection (…)

8.2 Exposure controls

General protective and hygiene measures

Wash hands during work breaks and at the end of the shift.
Avoid contact with eyes and skin.
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. (Combined steam / particulate filter, EN141)

Hand protection

Use chemical resistant protective gloves.
When selecting gloves, several parameters should be taken into account, use, handling, breakthrugh time.

Eye protection

Wear tightly fitting protective goggles if there is a risk of direct contact.

Body protection

Wear chemical resistant protective clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Form:	Liquid
Colour:	Yellowish
Odour:	Neutral
Odor threshold:	Not available
pH-value:	Ca 7
Melting point/ Freezing point (°C):	Not available
Boiling point/range: (°C):	Not available
Flash point (°C):	> 65
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:	Soluble
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 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

Avoid contact with strong acids, bases and strong oxidizing substances.

10.5 Incompatible materials

Strong acids, bases and strong oxidizing substances.

10.6 Hazardous decomposition products

No known under recommended storage and handing conditions

SECTION 11: Toxicological information

11.1 Information on toxicological effects

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

Inhalation

May be irritating if inhaled

Skin contact

May be irritating on skin contact

Eye contact:

May be irritating to eyes.

Ingestion:

Ingestion may cause discomfort.

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} Inhalation Rat 4h: >4,26 mg/l LD_{50} Dermal Rat: >2000 mg/kg
DBE(EG-nr 906-170-0) Mixture of: Dimethyl glutarate (1119-40-0) Dimethyl succinate (106-65-0) Dimethyl adipate (627-93-0)	LD_{50} Oral Rat: >5000 mg/kg LD_{50} Derma Rat: >2000 mg/kg LC_{50} Inhalation Rat: 11000 mg/m^3
2-(2-ethoxyethoxy)ethanol (111-90-0)	LD_{50} Oralt Rat: 6300 mg/kg bw LC_{50} Dermal Rabbit: ~ 8500 mg/kg bw LC_{50} Inhalation Rat 74h: >5,24 mg/l
Benzyl alcohol (100-51-6)	LD_{50} oralt, Rat: 1 230 mg/kg LC_{50}, Inhalation., Rat, 4 h: > 4 178 mg/l LD_{50} dermalt, Rabbit: 2 000 mg/kg

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.

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:

DBE(EG-nr 906-170-0) Mixture of: Dimethyl glutarate (1119-40-0) Dimethyl succinate (106-65-0) Dimethyl adipate (627-93-0)	EC_{50}, Algea 72h: 85 mg/l. LC_{50}, Daphnia, 24h: 112-150 ppm LC_{50}, Fish, 96 h: 18-24 ppm Sp: Pimephales promelas
2-(2-ethoxyethoxy)ethanol (111-90-0)	LD_{50} Fish 96h: > 10000 mg/l Sp: Pimephales promelas EC_{50} Algea 96h: >100 mg/l Sp: Pseudokirchnerella subcapitata LC_{50} Daphnia 48h: 1982 mg/l Sp: D. Magna
Benzyl alcohol (100-51-6)	LC_{50} Fish, 96 h: 646 mg/l EC_{50} Daphnia, 48 h: 230 mg/l EC_{50} Algea, 72 h: 770 mg/l

12.2 Persistence and degradability

2-butoxyethanol (111-76-2) - Readily biodegradable.
2-(2-ethoxyethoxy)ethanol (111-90-0)- Readily biodegradable.
Benzyl alcohol (100-51-6) - Readily biodegradable. >90% 30D OECD301d

12.3 Bioaccumulative potential

Does not bioaccumulate. - 2-(2-ethoxyethoxy)ethanol (111-90-0)
Benzyl alcohol (100-51-6) – Not considerd to bioaccumulate. Log Pow: 1.1

12.4 Mobility in soil

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 not classified as hazardous waste. Dispose of in accordance with local authority requirements. Do not empty into drain.
EWC- code: Depends on line of business and use.
Suggested EWC-code: 20 01 30 detergents other than those mentioned in 20 01 29.

Disposal of Packaging:

Well cleaned packaging could be left for recycling.

SECTION 14: Transport information

The product is not classified as dangerous goods according to ADR/RID, IMDG, DGR.

14.1 UN number

-

14.2 Proper shipping name (IMDG,IATA/ICAO)

-

14.3 Transport hazard class(es)

-

14.4 Packing group

-

14.5 Environmental hazards

-

14.6 Special precautions for user

-

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). EH40/2005

15.2 Chemical safety assessment

None.

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.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.

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 4: 2020-10-01 Safety data sheet according to Regulation (EC) No. 1907/2006 and (EG) 2020/878.
Previous versions:
Version 1: 2006-05-10
Version 2: 2006-06-20
Version 3: 2013-10-14

Sources

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

SECTION 16: Other information (…)

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