

Date of last issue: 2021-11-15 (Version 2)

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

1.1 Product identifier	Pica HP 16
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
Contact	www.picakemi.se/picakemi@picakemi.se
1.4 Emergency telephone number	Swedish poison information. In less acute cases during office hours +46 (0)10-4566700

SECTION 2: Hazards identification

2.1 Classification

Classification CLP (1272/2008/EC)

Acute Toxicity – Category 4: H332

Skin corrosion/irritation, Hazard Category 2: H315

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

2.2 Label elements

Pictogram



Signal Word: Danger

Contents

Formic acid ~10 %, 1-butylpyrrolidin-2-one

Hazard statement Code(s)

H332 Harmful if inhaled.

H315 Causes skin irritation.

H318 Causes serious eye damage

Precautionary statements

P261 Avoid breathing mist/vapours/spray.

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

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

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.

P403+P235 Store in a well-ventilated place. Keep cool.

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)*
1-butylpyrrolidin-2-one	3470-98-2 222-437-8 01-2120062728-48	10-20	Acute Tox 4. Skin Irrit. 2 Eye Irrit. 2	H302 H315 H319
Alcohols, C9-11 ethoxylated	68439-46-3 - -	1-<10	Skin Irrit. 2 Eye Dam. 1	H315 H318
Formic acid 78%**	64-18-6 200-579-1 01-2119491174-37	5 - <10	Flam. Liq 3 Acute Tox. 4 Acute Tox. 3 Eye Dam 1. Skin Corr. 1A	H226 H302 H331 H318 H314 EUH071
Dimethyl Glutarate	1119-40-0 214-277-2 01-2119475445-32	20-30	-	-
Dimethyl Succinate	106-65-0 203-419-9 01-2119475445-32	1-10	-	-
Dimethyl Adipate	627-93-0 211-020-6 01-2119475445-32	1-10	-	-
Dipropylenglycolethylether	34590-94-8 252-104-2 01-2119450011-60	1-10	-	-

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

**SCL= Specific concentration limits

Eye Irrit. 2; H319: $2\% \leq C < 10\%$

Skin Corr. 1A; H314: $C \geq 90\%$

Skin Corr. 1B; H314: $10\% \leq C < 90\%$

Skin Irrit. 2; H315: $2\% \leq C < 10\%$

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)

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SECTION 4: First aid measures

4.1 Description of first aid measures

General Information

Never give fluids or induce vomiting if patient is unconscious. Keep person warm and calm.

In all cases of doubt, or when symptoms persist, seek medical advice.

Inhalation

Remove to fresh air. Give oxygen. If unconscious put the injured person in recovery position and get medical attention.

Skin contact

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

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. Go to hospital/doctor.

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

Inhalation:	Harmful if inhaled.
Skin contact:	Irritating to skin. (Redness, burning, swelling)
Eye contact:	Give severe pain and irritation. May severely injure the eyes.
Ingestion:	May cause nausea, vomiting and abdominal pain.
Chronic Exposure:	Chronic exposure may cause damage to the brain and the central nervous system.

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, foam, powder, carbon dioxide.

Unsuitable Extinguishing Media: Water jet.

5.2 Special hazards arising from the substance or mixture

During fire, gases corrosive and 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.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Do not breathe vapors and mists.

Use personal protective equipment.

Avoid contact with eyes and skin.

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.

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.

For disposal of spillage, see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure suitable personal protection.

Avoid contact with eyes and skin. Do not breathe vapors and spray mists

Normal precautions taken when handling chemicals should be observed.

Comply with the health and safety at work laws.

Provide eyewash station.

Protect against fire, sparks and other ignition sources. Do not smoke near the product.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed and protected from heat sources.

Store in a cool and well ventilated area.

7.3 Specific end use(s)

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SECTION 8: Exposure controls/personal protection

8.1 Appropriate engineering controls

Ensure good exhaust ventilation at the workplace.

Provide eyewash station.

Exposure limits

Swedish limit values or limit values according to the European commission

Substance	CAS-No	Level limit value	Short time value	Note
Formic acid	64-18-6	3 ppm, 5 mg/m ³	5 ppm, 9 mg/m ³	V
Dimethyl Glutarate	1119-40-0	5 ppm, 33 mg/m ³	-	
Dimethyl Succinate	106-65-0	5 ppm 30 mg/m ³	-	
Dimethyl Adipate	627-93-0	5 ppm, 36 mg/m ³	-	
Dipropylenglykolmonometyleter	34590-94-8	50 ppm, 300 mg/m ³	75 ppm, 450 mg/m ³	H,V

Explanation note:

V = Indicative short term limit. 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
Formic acid	64-18-6	3 ppm, 9,6 mg/m ³	-	-
(2-methoxymethylethoxy) propanol	34590-94-8	50 ppm, 308 mg/m ³		SK

DNEL

Formic acid (64-18-6)	Short term exposure – Workers Local effects, inhalation: 19 mg/m ³ Short term exposure – Workers Systematic effects, inhalation: 19 mg/m ³ Long term exposure – Workers Local effects, inhalation: 9,5 mg/m ³ Long term exposure – Workers Systematic effects, inhalation: 9,5mg/m ³ Short term exposure – Consumers Local effects, inhalation 9,5 mg/m ³ Short term exposure – Consumers Systematic effects, inhalation: 9,5 mg/m ³ Long term exposure – Consumers Local effects, inhalation: 3mg/m ³ Long term exposuer – Consumers Systematic effects, inhalation 3mg/m ³
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SECTION 8: Exposure controls/personal protection (...)

DNEL....

Dimethyl Glutarate (1119-40-0)	Long term exposure – Workers Local effects, Inhalation 8,3 mg/m ³ Long term exposure – Workers Systematic effects, Inhalation: 49,8 mg/m ³ Long term exposure – Consumers Systematic effects, Inhalation 50 mg/m ³ Long term exposure – Consumers Local effects, Inhalation: 5mg/m ³
Dimethyl Succinate (106-65-0)	Short term exposure – Workers Local effects, inhalation 1,1 mg/m ³ Long term effects – Workers Systematic effects , Dermal 6,6 mg/kg bw/day Long term exposure – Workers Systematic effects, inhalation 33,5 mg/m ³ Long term exposure – Workers Local effects, inhalation 1,1mg/m ³ Short term exposure -Workers Systematic effects, derma: 12.6 mg/kg bw/day Short term exposure, Workers Systematic effects, inhalation 67mg/m ³ Long term exposure, Workers Systematic effects, dermal 50mg/kg bw/day
(2-methoxymethylethoxy) propanol (34590-94-8)	Workers, Systemic effects, Skin contact Long-term exposure: 65 mg/kg Workers, Systemic effects, Inhalation Long-term exposure: 310 mg/m ³ Consumers, Systemic effects, Skin contact Long-term exposure: 15 mg/kg Consumers, Systemic effects, Inhalation Long-term exposure: 37,2 mg/m ³ Consumers, Systemic effects, Ingestion Long-term exposure: 1,67 mg/kg

PNEC

Formic acid (64-18-6)	2 mg/l	Freshwater
Formic acid (64-18-6)	0,2 mg/l	Seawater
Formic acid (64-18-6)	1 mg/l	Intermittent releases
Formic acid (64-18-6)	13,4 mg/kg	Sediment (Freshwater)
Formic acid (64-18-6)	1,34 mg/kg	Sediment (Seawater)
Formic acid (64-18-6)	1,5 mg/kg	Soil
Formic acid (64-18-6)	7,2 mg/l	STP

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

PNEC

Dimethyl Succinate (106-65-0)	0,05 mg/l	Freshwater
Dimethyl Succinate (106-65-0)	0,005 mg/l	Seawater
Dimethyl Succinate (106-65-0)	0,5 mg/L	Intermittent releases
Dimethyl Succinate (106-65-0)	10 mg/L	Sediment (Freshwater)
Dimethyl Succinate (106-65-0)	0,137 6mg/l	Sediment (Seawater)
Dimethyl Succinate (106-65-0)	0,014 mg/L	Soil
Dimethyl Glutarate (1119-40-0)	0,018 mg/l	Freshwater
Dimethyl Glutarate (1119-40-0)	0,0018 mg/l	Seawater
Dimethyl Glutarate (1119-40-0)	0,18 mg/l	Intermittent releases
Dimethyl Glutarate (1119-40-0)	0,16 mg/kg	Sediment (Freshwater)
Dimethyl Glutarate (1119-40-0)	0,016 mg/kg	Sediment (Seawater)
Dimethyl Glutarate (1119-40-0)	0,09 mg/kg	Soil
Dimethyl Glutarate (1119-40-0)	10 mg/l	STP
(2-methoxymethylethoxy) propanol (34590-94-8)	19 mg/l	Freshwater
(2-methoxymethylethoxy) propanol (34590-94-8)	1,9 mg/l	Saltwater
(2-methoxymethylethoxy) propanol (34590-94-8)	190 mg/l	Water
(2-methoxymethylethoxy) propanol (34590-94-8)	70,2 mg/kg	Sediment Freshwater
(2-methoxymethylethoxy) propanol (34590-94-8)	7,02 mg/kg	Sediment Saltwater
(2-methoxymethylethoxy) propanol (34590-94-8)	2,74 mg/kg	Soil
(2-methoxymethylethoxy) propanol (34590-94-8)	4168 mg/l	STP

8.2 Exposure controls

General protective and hygiene measures

Wash hands during work breaks and at the end of the shift.

The usual precautionary measures for the handling 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

If ventilation is inadequate or during spraying operation or if the concentration exceeds the occupational exposure limits, respirators designed for this purpose should be used. (Filter: E)

Hand protection

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

When selection gloves, several parameters must be taken into account, usage, handling time, break through time.etc

Eye protection

Wear tightly fitting protective goggles.

Body protection

Wear acid resistant protective clothing.

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SECTION 9: Physical and chemical properties

Physical state:	Liquid
Colour:	Not available
Odour	Solvent
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 (°C):	>65
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
pH	~3
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 determined

9.2 Other information: Creation of explosive air/vapour mixtures are possible.

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

Keep away from heat, sparks and open flame. May decompose when heated.

10.5 Incompatible materials

Strong oxidizing agents, Aluminum, alkali, sulfuric acid, peroxides, e.g. hydrogen peroxide

10.6 Hazardous decomposition products

No known under recommended storage and handling conditions

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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)

Inhalation

Harmful if inhaled.

Skin contact

Irritant.

Eye contact

Corrosive

Ingestion

May cause nausea, vomiting and abdominal pain.

Acute toxicity

Information about this preparation is not available.

Toxicology data for the containing components

Formic acid (64-18-6)	LD ₅₀ Oral Rat: 730 mg/kg LC ₅₀ Inhalation Rat 4h: 7,4 mg/l
Mixture of: Dimethyl Glutarate (1119-40-0) Dimethyl Adipate (106-65-0) Dimethyl Succinate (627-93-0)	LD ₅₀ Oral Rat: 5000 mg/kg bw LC ₅₀ Dermal Rat: 2000 mg/kg bw LD ₅₀ Inhalation Rat: 11000 mg/l
1-butylpyrrolidin-2-one (3470-98-2)	LD ₅₀ Oral Rat: 300-2000 mg/kg bw LC ₅₀ Dermal Rabbit: >2000 mg/kg bw
Alcohols, C9-11 ethoxylated (68436-46-3)	LD ₅₀ Oral Rat: >5000 mg/kg bw LC ₅₀ Dermal Rabbit: >2000 mg/kg bw
(2-methoxymethylethoxy) propanol (34590-94-8)	LD ₅₀ Oral Rat: >4000 mg/kg LD ₅₀ Inhalation Rat 7h: 3,35 mg/l LD ₅₀ Dermal Rabbit: 9510 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

11.2. Information on other hazards

No known.

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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:

Formic acid (64-18-6)	LC ₅₀ Fish 96h: 130 mg/l Sp: Brachydanio rerio LC ₅₀ Fish 96h: 68 mg/l Sp: Leuciscus idus (DIN 38412) EC ₅₀ Daphnia 48h: 365 mg/l Sp: D. Magna (OECD TG 202) EC ₅₀ Daphnia 48h: 32,19 mg/l Sp: D. Magna EC ₅₀ Algae 72h: 1,240 mg/l Sp: Scenedesmus (OECD TG 202) EC ₅₀ Algae 72h: 32,64 mg/l Sp: Scenedesmus (DIN 38412) EC ₅₀ Bacteria 17h: 46,7 mg/l Sp: Pseudomonas putida (DIN 38412) EC ₁₀ Bacteria 13d: 72 mg/l aktivert slam EC ₂₀ Bacteria 0,5h: >1000 mg/l aktivert slam (ISO 8192) NOEC 21d: >=102 mg/l (Daphnia Magna) (OECD TG211)
Mixture of: Dimethyl Glutarate (1119-40-0) Dimethyl Adipate (106-65-0) Dimethyl Succinate (627-93-0)	LC ₅₀ Fish 96h: 18-24 mg/l EC ₅₀ Daphnia 48h: 112-150 mg/l Sp: D. Magna EC ₅₀ Algae 72h: >85 mg/l
1-butylpyrrolidin-2-one (3470-98-2)	LC ₅₀ Fish 96h: >100 mg/l Sp: Rainbowtrout EC ₅₀ Algae 72h: 130 mg/l EC ₅₀ Daphnia 48h: > 100 mg/l Sp: D. Magna
Alcohols, C9-11 ethoxylated (68436-46-3)	LC ₅₀ Fish 96h: >1-10 mg/l Sp: Oncorhynchus mykiss EC ₅₀ Daphnia 48h: >1-10 mg/l Sp: D. Magna EC ₅₀ Algae 72h: >1-10 mg/l Sp: D. Skeletonema costatum
(2-methoxymethylethoxy) propanol (34590-94-8)	LC ₅₀ Fish 96h: 10000 mg/l Art: Pimephales promelas EC ₅₀ Daphnia 48h: 1919 mg/l EC ₁₀ Bakteria: 4168 mg/l Art: Pseudomonas putida NOEC Daphnia 22d: 0,5 mg/l

12.2 Persistence and degradability

Formic acid 78% (64-18-6) - Readily biodegradable..

Dimethyl Glutarate (1119-40-0) - Readily biodegradable..

Dimethyl Adipate (106-65-0) - Readily biodegradable..

Dimethyl Succinate (627-93-0) - Readily biodegradable.

1-butylpyrrolidin-2-one (3470-98-2) - Readily biodegradable.

Alcohols, C9-11 ethoxylated (68436-46-3)- Readily biodegradable.

Dipropylenglycolethylether (34590-94-8) – Readily biodegradable.

12.3 Bioaccumulative potential

Not expected to bioaccumulate. - Formic acid 78% (64-18-6)

Does not bioaccumulate. - 1-butylpyrrolidin-2-one (3470-98-2)

Unlikely to bioaccumulate. - Alcohols, C9-11 ethoxylated (68436-46-3)

Dipropylenglycolethylether (34590-94-8) - Does not bioaccumulate.

12.4 Mobility in soil

Dipropylenglycolethylether (34590-94-8) – Easily movable in soil.

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

Contains formic acid which is suspected to be endocrine disrupting.

12.7. Other adverse effects

No known.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods:

This product or residues of concentrated product are classified as hazardous waste. Dispose of in accordance with local authority requirements.

Suggested EWC-codes:

08 01 17* wastes from paint or varnish removal containing organic solvents or other dangerous substances

Disposal of Packaging:

Well cleaned packaging could be left for recycling.

SECTION 14: Transport information

14.1 UN number

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

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

-

14.7 Maritime transport in bulk according to IMO instruments

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Tunnel restriction 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

None.

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SECTION 16: Other information

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

H226 Flammable liquid and vapour.
H302 Harmful if swallowed
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
EUH071 Corrosive to the respiratory tract

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 1: 2017-03-14

Version 2: 2021-11-15

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

Sources

Safety data sheet provided by the manufacturer. CLP-regulation
www.kemi.se (Database), (AFS 2018:1/2020:6), <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