Date of last issue: 2020-06-01 (Version1)

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

1.1 Product identifier	PICA HP 15 UFI: E800-V00R-F00V-KK49
1.2 Relevant identified uses of the substance or mixture and uses advised against	Graffiti remover. For professional use only
1.3 Details of the supplier of the safety data sheet	PICA Kemi AB
Address	Teknikvägen 3 SE-245 34 Staffanstorp, Sweden
Telephone	+46 (0)40-185820
Contact	www.picakemi.se/picakemi@picakemi.se
1.4 Emergency telephone number	In less acute cases during office hours +46(0)10-4566700

SECTION 2: Hazards identification

2.1 Classification
Classification CLP (1272/2008/EC)
Aspiration hazard, Hazard Category 1; H304
Skin corrosion/irritation, Hazard Category 1B: H314
Serious eye damage/eye irritation, Hazard Category 1: H318
Specific target organ toxicity — Single exposure, Hazard Category 3: H335
Specific target organ toxicity — Single exposure, Hazard Category 3: H336
Hazardous to the aquatic environment — Chronic Hazard, Category 2: H411

2.2 Label elements
Pictogram

Signal Word: Danger

Contents
Hydrocarbons C9 aromatic, formic acid
Hazard statement Code(s)
H304: May be fatal if swallowed and enters airways
H314: Causes severe skin burns and eye damage
H335: May cause respiratory irritation
H336: May cause drowsiness or dizziness
H411: Toxic to aquatic life with long lasting effects

SECTION 2: Hazards identification

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331 Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P362 Take off contaminated clothing and wash before reuse.
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.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P501 Dispose of contents/container to an authorized waste treatment plant.

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)*
Hydrocarbons C9 aromatic	- 918-668-5 01-2119455851-35	20-30	Flam Liq. 3 Asp. Tox. 1 STOT SE 3 STOT SE 3 Aquatic Chronic 2	H226 H304 H335 H336 H411
Formic acid 85%** Index: 607-001-00-0	64-18-6 200-579-1 01-2119491174-37	15-25	Flam. Liq. 3 Skin Corr. 1A Acute Tox. 3 Acute Tox. 4 Eye Dam. 1	H226 H314 H331 H302 H318 EUH071
n-Butylpyrrolidon	3470-98-2 222-437-8 01-2120062728-48	5-10	Acue tox. 4 Skin Irrit. 2	H302 H315
Dimetylglutarate	1119-40-0 214-277-2	10-20	-	-
Dimetylsuccinate	106-65-0 203-419-9	5-10	-	-
Dimetyladipate	627-93-0	5-10	-	-

	211-020-6			

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

SECTION 3: Composition/information on ingredients

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)
** SCL
Eye Irrit. 2; H319: 2 % ≤ C < 10 %
Skin Corr. 1A; H314: C ≥ 90 %
Skin Corr. 1B; H314: 10 % ≤ C < 90 %
Skin Irrit. 2; H315: 2 % ≤ C < 10 %

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

Inhalation
Remove to fresh air. Seek medical attention.

Skin contact
Wash with water and rinse the skin thoroughly. Contact a doctor if the complaints persist.

Eye contact
Important! Rinse immediately with water for at least 15 minutes. Hold eyelids apart. Go to hospital or eye specialist.

Ingestion
Rinse mouth with water and drink several glasses of water. Do not provoke vomiting. Seek medical treatment.

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

Inhalation:	High levels of vapors cause respiratory irritation. May cause headaches, dizziness, fatigue, nausea and impaired responsiveness.
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:	May cause burns in esophagus and stomach. Symptoms of burning pain, vomiting and abdominal pain. Vomiting can aggravate the injury. Inhalation of small amounts of fluid, called aspiration, during ingestion or vomiting can cause chemical pneumonia.

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.
Unsuitable extinguishing media: Hard 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.
Vapors may form explosive mixtures with air. Flammable hydrogen can be developed by contact with metals.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Use personal protective equipment.
Avoid contact with eyes.
Avoid inhalation of vapors.
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 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.
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.
Use personal protective equipment.
Avoid contact with eyes. Ensure adequate ventilation.
Provide eyewash station.
7.2 Conditions for safe storage, including any incompatibilities
Keep away from sparks and other heat sources.
Store in a cool, dry place and in original packaging at room temperature.
7.3 Specific end use(s)
-

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/m³	5 ppm, 9 mg/m³	V
Dimetylglutarat	1119-40-0	5 ppm 33 mg/m³	-	-
Dimetylsuccinat	106-65-0	5 ppm 30 mg/m³	-	-
Dimetyladipat	627-93-0	5 ppm 36 mg/m³	-	-

British limit values (EH40/2005 Workplace exposure limits)

Substance	CAS-no	Long-term exposure limit	Short-term exposure limit	Comments.
Formic acid	64-18-6	5 ppm, 9,6 mg/m³	-	-

DNEL

n-Butylpyrrolidon (3470-98-2)	Long term exposure - Workers Systematic effects, inhalation: 100 mg/m³ Long term exposure - Workers Systematic effects, dermal: 25 mg/kg Long term exposure – Consumers Systematic effects, inhalation: 32 mg/m³ Long term exposure – Consumers Systematic effects, dermal: 11 mg/kg Long term exposure – Consumers Systematic effects, Oral: 11 mg/kg
Formic acid (64-18-6)	Short term exposure - Workers Local effects, inhalation: 19 mg/m³ Long term exposure - Workers Local effects, inhalation: 9,5 mg/m³ Short term exposure – Consumers Local effects, inhalation: 9,5 mg/m³ Long term exposure – Consumers Local effects, inhalation: 3 mg/m³

SECTION 8: Exposure controls/personal protection

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
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)	7,2 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 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

n case of insufficient ventilation or if the concentration exceeds workplace limits a respirator fit for purpose must be used. (EN141)

Hand protection

Use chemical-resistant gloves. (E.g. PVC, 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 chemical-resistant protective clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Form:	Liquid
Colour:	Not available
Odour:	Strong scent.
Odor threshold:	Not available
pH-value:	Ca1
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):	>63
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:	Low viscosity
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

Vapors may form explosive mixtures with air. Flammable hydrogen can be developed by contact with metals.

10.4 Conditions to avoid

No known.

10.5 Incompatible materials

Strong oxidizing agents, strong bases.strong acids.

10.6 Hazardous decomposition products

Contact with certain metals (eg aluminum, zinc) can form explosive gas mixtures with air. Can decomposes in the event of fire to produce toxic gases (carbon monoxide).

SECTION 11: Toxicological information

11.1 Information on toxicological effects

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

Inhalation

High levels of vapors cause respiratory irritation.

Skin contact

Corrosive

Eye contact:

Corrosive

Ingestion:

Corrosive. May be fatal if swallowed and enters airways. Risk of chemical pneumonia.

Toxicology data:

Information about this preparation is not available.

Toxicology data for the containing components

Formic acid (64-18-6)	LD_{50} Oralt Rat: 730 mg/kg OECD 401 LD_{50} Dermalt Mouse: >2000 mg/kg OECD 402 LC_{50} Inhalation Rat: 7,85 mg/l OECD 403
n-Butylpyrrolidon (3470-98-2)	LD_{50} Oralt Rat: 300-2000 mg/kg LD_{50} Dermalt Rat: >2000 mg/kg
Mixture of: Dimethyl Glutarate (1119-40-0) Dimethyl Adipate (106-65-0) Dimethyl Succinate (627-93-0)	LD_{50} Oralt Rat: 5000 mg/kg bw LC_{50} Dermal Rat: 2000 mg/kg bw LD_{50} Inhalation Rat: 11000 mg/l

STOT-single exposure -repeated exposure

May cause respiratory irritation

May cause drowsiness or dizziness

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

Yes.

SECTION 12: Ecological information

This product is 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:

Hydrocarbons C9 aromatic (-)	LL_{50}, Fish, 96 h: 9.2 mg/l Sp: Oncorhynchus mykiss EL_{50}, daphnia, 48 h: 3.2 mg/l Sp: Daphnia magna NOELR, Algea, 72 h: 1.0 mg/l Sp: Selenastrum capricornutum
Formic acid (64-18-6)	LC_{50}, Fish, 96h: 130 mg/l OECD 203 Sp: Brachydanio rerio LC_{50}, daphnia, 48h: 365 mg/l OECD 202 EC_{50}, Bacteria, 72h: 1 240 mg/l OECD 201 Sp: Pseudokirchnerella subcapitata NOEC: 90 mg/l OECD 203 Sp: Brachydanio rerio NOEC: 180 mg/l OECD 202 NOEC: < 76.8 mg/l OECD 201 Sp: Pseudokirchnerella subcapitata
n-Butylpyrrolidon (3470-98-2)	LC_{50}, Fish, 96 h: > 100 mg/l Sp: Rainbow trout EC_{50}, daphnia, 48 h: > 100 mg/l Sp: Daphnia magna EC_{50}, Algea, 72 h: 130 mg/l
Mixture of: Dimethyl Glutarate (1119-40-0) Dimethyl Adipate (106-65-0) Dimethyl Succinate (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

12.2 Persistence and degradability

Hydrocarbons C9 aromatic (-)- Readily biodegradable.
Formic acid (64-18-6) - Readily biodegradable.
n-Butylpyrrolidon (3470-98-2) - Readily biodegradable.

12.3 Bioaccumulative potential

Hydrocarbons C9 aromatic (-)-Not biologically accumulable.
Formic acid (64-18-6) - Not biologically accumulable.
n-Butylpyrrolidon (3470-98-2) - Not biologically accumulable.

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:
This product or residues of concentrated product are classified as hazardous waste. Dispose of in accordance with local authority requirements. Do not empty into drain.
Suggested EWC-codes: Depends on line of business and use.
14 06 03* other solvents and solvent mixtures
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
1760
14.2 Proper shipping name (IMDG,IATA/ICAO)
CORROSIVE LIQUID N.O. S (Formic acid)
14.3 Transport hazard class(es)
8
14.4 Packing group
II
14.5 Environmental hazards
Marine pollutant: Yes
14.6 Special precautions for user
-
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
-
LQ
5L
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 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:
H226 Flammable liquid and vapour.
H302 Harmful if swallowed
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.
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: 2020-06-01
Safety data sheet according to Regulation (EC) No. 1907/2006 and (EG) 2020/878.

Sources
Safety data sheet provided by the manufacturer. CLP-regulation
www.kemi.se (Database), EH40/2005, 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
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