

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 29.09.2021

Version number 8 (replaces version 7)

Revision: 29.09.2021

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name** **SYSTEMLACK 2K PU 95 KOMP. A**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Lacquer
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
MUREXIN GmbH  
Franz v. Furtenbachstr. 1  
A-2700 Wiener Neustadt  
Tel.: +43 (0)2622/27401
- **Informing department:** chemikalieninfo@murexin.com
- **1.4 Emergency telephone number:**  
UK National poisons Emergency number.: +44 (0) 870 600 6266

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



STOT SE 3 H336 May cause drowsiness or dizziness.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS02 GHS07

- **Signal word** Danger
- **Hazard-determining components of labelling:**  
n-butyl acetate
- **Hazard statements**  
H225 Highly flammable liquid and vapour.  
H336 May cause drowsiness or dizziness.
- **Precautionary statements**

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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 [or shower].

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P312 Call a POISON CENTER/doctor if you feel unwell.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Additional information:**

EUH066 Repeated exposure may cause skin dryness or cracking.  
 Contains Fettsäuren, C18-ungesättigt., Dimere, Reaktionsprodukte mit N,N-Dimethyl-1,3-Propanediamin, phthalic anhydride, Fatty acids, C14-18 and C16-18-unsatd., maleated. May produce an allergic reaction.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**

· **Description:** Mixture consisting of the following components with harmless additives.

· **Dangerous components:**

CAS: 123-86-4 EINECS: 204-658-1	n-butyl acetate ⚠ Flam. Liq. 3, H226 ⚠ STOT SE 3, H336 EUH066	25-50%
CAS: 110-19-0 EINECS: 203-745-1 Reg.nr.: 01-2119488971-22	isobutyl acetate ⚠ Flam. Liq. 2, H225 ⚠ STOT SE 3, H336 EUH066	5-10%
CAS: 67-64-1 EINECS: 200-662-2 Reg.nr.: 01-2119471330-49-0008	acetone ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2, H319; STOT SE 3, H336 EUH066, EUH210	1-2.5%
EC number: 918-668-5 Reg.nr.: 01-2119455851-35	Solvent naphtha (petroleum), light arom. ⚠ Flam. Liq. 3, H226 ⚠ Asp. Tox. 1, H304 ⚠ Aquatic Chronic 2, H411 ⚠ STOT SE 3, H335-H336 EUH066	1-2.5%
CAS: 162627-17-0 EC number: 605-296-0 Reg.nr.: 01-2119970640-38-0000	Fettsäuren, C18-ungesättigt., Dimere, Reaktionsprodukte mit N,N-Dimethyl-1,3-Propanediamin ⚠ Skin Sens. 1, H317	0.5-1%
CAS: 85-44-9 EINECS: 201-607-5	phthalic anhydride ⚠ Resp. Sens. 1, H334 ⚠ Eye Dam. 1, H318 ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335	<0.5%

### SECTION 4: First aid measures

· **4.1 Description of first aid measures**

· **General information** Instantly remove any clothing soiled by the product.

· **After skin contact**

If skin irritation continues, consult a doctor.

Instantly wash with water and soap and rinse thoroughly.

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- **After eye contact**  
*Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.*
- **After swallowing** *Call a doctor immediately.*
- **4.2 Most important symptoms and effects, both acute and delayed**  
*No further relevant information available.*
- **4.3 Indication of any immediate medical attention and special treatment needed**  
*No further relevant information available.*

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**  
*CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.*
- **For safety reasons unsuitable extinguishing agents** *Water with a full water jet.*
- **5.2 Special hazards arising from the substance or mixture**  
*No further relevant information available.*
- **5.3 Advice for firefighters**
- **Protective equipment:** *Wear self-contained breathing apparatus.*
- **Additional information** *Cool endangered containers with water spray jet.*

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
*Wear protective equipment. Keep unprotected persons away.  
Keep away from ignition sources*
- **6.2 Environmental precautions:**  
*Do not allow product to reach sewage system or water bodies.  
Prevent material from reaching sewage system, holes and cellars.*
- **6.3 Methods and material for containment and cleaning up:**  
*Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose of contaminated material as waste according to item 13.  
Ensure adequate ventilation.*
- **6.4 Reference to other sections**  
*See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.  
See Section 13 for information on disposal.*

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
*Keep containers tightly sealed.  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.*
- **Information about protection against explosions and fires:**  
*Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.*
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:**  
*Store in cool location.  
Store only in the original container.*
- **Information about storage in one common storage facility:**  
*Store away from foodstuffs.  
Do not store together with reducing agents, heavy-metal compounds, acids and alkalis.*

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- **Further information about storage conditions:**  
Keep container tightly sealed.  
Store in cool, dry conditions in well sealed containers.
- **Storage class 3**
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

- **Components with critical values that require monitoring at the workplace:**

##### 123-86-4 n-butyl acetate

WEL	Short-term value: 966 mg/m <sup>3</sup> , 200 ppm Long-term value: 724 mg/m <sup>3</sup> , 150 ppm
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##### 110-19-0 isobutyl acetate

WEL	Short-term value: 903 mg/m <sup>3</sup> , 187 ppm Long-term value: 724 mg/m <sup>3</sup> , 150 ppm
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##### 67-64-1 acetone

WEL	Short-term value: 3620 mg/m <sup>3</sup> , 1500 ppm Long-term value: 1210 mg/m <sup>3</sup> , 500 ppm
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- **Additional information:** The lists that were valid during the compilation were used as basis.

#### 8.2 Exposure controls

- **Appropriate engineering controls** No further data; see item 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures**  
The usual precautionary measures should be adhered to in handling the chemicals.  
Keep away from foodstuffs, beverages and food.  
Instantly remove any soiled and impregnated garments.  
Wash hands during breaks and at the end of the work.
- **Breathing equipment:**  
In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.
- **Hand protection** Protective gloves.
- **Material of gloves**  
Butyl rubber, BR  
Nitrile rubber, NBR
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye/face protection** Safety glasses
- **Body protection:** Protective work clothing.

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

##### General Information

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>· <b>Colour:</b></li> <li>· <b>Smell:</b></li> <li>· <b>Lower and upper explosion limit</b></li> <li>· <b>Lower:</b></li> <li>· <b>Upper:</b></li> <li>· <b>Flash point:</b></li> <li>· <b>Self-inflammability:</b></li> <li>· <b>pH at 20 °C</b></li> </ul> | <p>According to product specification<br/>Characteristic</p> <p>2.4 Vol %<br/>10.5 Vol %<br/>18 °C<br/>Product is not selfigniting.<br/>n.a.</p> |
|---|--|

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· <b>Viscosity:</b>	
· <b>Kinematic viscosity at 20 °C</b>	86 s (DIN 53211/4)
· <b>Solubility</b>	
· <b>Water:</b>	Not miscible or difficult to mix
· <b>Steam pressure at 20 °C:</b>	13 hPa
· <b>Density and/or relative density</b>	
· <b>Density at 20 °C</b>	1 g/cm <sup>3</sup>
· <b>9.2 Other information</b>	
· <b>Appearance:</b>	
· <b>Form:</b>	Fluid
· <b>Important information on protection of health and environment, and on safety.</b>	
· <b>Ignition temperature:</b>	370 °C
· <b>Explosive properties:</b>	Product is not explosive. However, formation of explosive air/steam mixtures is possible.
· <b>Information with regard to physical hazard classes</b>	
· <b>Explosives</b>	Void
· <b>Flammable gases</b>	Void
· <b>Aerosols</b>	Void
· <b>Oxidising gases</b>	Void
· <b>Gases under pressure</b>	Void
· <b>Flammable liquids</b>	
Highly flammable liquid and vapour.	
· <b>Flammable solids</b>	Void
· <b>Self-reactive substances and mixtures</b>	Void
· <b>Pyrophoric liquids</b>	Void
· <b>Pyrophoric solids</b>	Void
· <b>Self-heating substances and mixtures</b>	Void
· <b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
· <b>Oxidising liquids</b>	Void
· <b>Oxidising solids</b>	Void
· <b>Organic peroxides</b>	Void
· <b>Corrosive to metals</b>	Void
· <b>Desensitised explosives</b>	Void

#### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** None

#### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

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**LD/LC50 values that are relevant for classification:****123-86-4 n-butyl acetate**

Oral	LD50	14,000 mg/kg (rat)
Inhalative	LC50/4 h	>21 mg/l (rat)

**110-19-0 isobutyl acetate**

Oral	LD50	13,413 mg/kg (rat)
Dermal	LD50	17,400 mg/kg (rabbit)
Inhalative	LC50/4 h	23.4 mg/l (rat)

**67-64-1 acetone**

Oral	LD50	5,800 mg/kg (rat)
Dermal	LD50	20,000 mg/kg (rbt)

**162627-17-0 Fettsäuren, C18-ungesättigt., Dimere, Reaktionsprodukte mit N,N-Dimethyl-1,3-Propanediamin**

Oral	LD50	>10,000 mg/kg (rat)
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- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure**  
May cause drowsiness or dizziness.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **11.2 Information on other hazards**

**Endocrine disrupting properties**

None of the ingredients is listed.

**SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:****110-19-0 isobutyl acetate**

EC 50	397 mg/l (Pseudokirchneriella subcapitata (Alge)) (72h)
	24.6 mg/l (Daphnia magna (Großer Wasserfloh)) (48h)
LC50	16.6 mg/l (Oryzias latipes (Japanischer Reisch)) (96h)

**162627-17-0 Fettsäuren, C18-ungesättigt., Dimere, Reaktionsprodukte mit N,N-Dimethyl-1,3-Propanediamin**

ErL50	>100 mg/l (Pseudokirchneriella subcapitata (Alge))
EL50	>100 mg/l (Daphnia magna (Großer Wasserfloh))
IC 50	>430 mg/l (bacteria)
LC50	>150 mg/l (Leuciscus idus (Fisch))

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**  
For information on endocrine disrupting properties see section 11.

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· **12.7 Other adverse effects**

· **Additional ecological information:**

· **General notes:**

Water hazard class (Germany) 1 (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

### SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation**

Hand over to disposers of hazardous waste.

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

· **14.1 UN number or ID number**

· **ADR, IMDG, IATA** UN1263

· **14.2 UN proper shipping name**

· **ADR** 1263 PAINT

· **IMDG, IATA** PAINT

· **14.3 Transport hazard class(es)**

· **ADR, IMDG, IATA**



· **Class** 3 Flammable liquids.

· **Label** 3

· **14.4 Packing group**

· **ADR, IMDG, IATA** III

· **14.5 Environmental hazards:**

· **Marine pollutant:** No

· **14.6 Special precautions for user** Warning: Flammable liquids.

· **Kemler Number:** -

· **EMS Number:** F-E, S-E

· **Stowage Category** A

· **14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

· **Transport/Additional information:**

· **ADR**

· **Limited quantities (LQ)** 5L

· **Transport category** 3

· **Tunnel restriction code** E

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· **UN "Model Regulation":**

UN 1263 PAINT, 3, III

#### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category** P5c FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

#### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

##### · **Relevant phrases**

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H411 Toxic to aquatic life with long lasting effects.
- EUH066 Repeated exposure may cause skin dryness or cracking.
- EUH210 Safety data sheet available on request.

- **Contact:** chemikalieninfo@murexin.com (+43 02622/27401)

##### · **Abbreviations and acronyms:**

- ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- Flam. Liq. 2: Flammable liquids – Category 2
- Flam. Liq. 3: Flammable liquids – Category 3
- Acute Tox. 4: Acute toxicity – Category 4
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Dam. 1: Serious eye damage/eye irritation – Category 1
- Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
- Resp. Sens. 1: Respiratory sensitisation – Category 1
- Skin Sens. 1: Skin sensitisation – Category 1
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- Asp. Tox. 1: Aspiration hazard – Category 1
- Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

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· \* **Data compared to the previous version altered.**

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### Annex: Exposure scenario

- **Description of the activities / processes covered in the Exposure Scenario**  
See section 1 of the annex to the Safety Data Sheet.
- **Conditions of use**
- **Duration and frequency** 5 workdays/week.
- **Physical parameters**
- **Physical state** Fluid
- **Concentration of the substance in the mixture** The substance is main component.
- **Other operational conditions**
- **Other operational conditions affecting environmental exposure** No special measures required.
- **Other operational conditions affecting worker exposure**  
Take precautionary measures against static discharge.  
Keep away from sources of ignition - No smoking.
- **Other operational conditions affecting consumer exposure**  
No special measures required.  
Keep out of the reach of children.
- **Other operational conditions affecting consumer exposure during the use of the product**  
Not applicable.
- **Risk management measures**
- **Worker protection**
- **Organisational protective measures** No special measures required.
- **Technical protective measures** Provide explosion-proof electrical equipment.
- **Personal protective measures**  
Do not inhale gases / fumes / aerosols.  
Protective gloves.
- **Measures for consumer protection**  
Ensure adequate labelling.  
Keep locked up and out of the reach of children.
- **Environmental protection measures**
- **Water** No special measures required.
- **Disposal measures**  
Disposal must be made according to official regulations.  
Ensure that waste is collected and contained.
- **Disposal procedures**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Waste type** Partially emptied and uncleaned packaging
- **Exposure estimation**
- **Consumer** Not relevant for this Exposure Scenario.
- **Guidance for downstream users** No further relevant information available.