Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) Issue date: 02/06/2020 Revision date: 02/06/2020 Version: 1.00

# **QUIXX**® **S Y S T E M** Repair it. Yourself!

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

#### 1.1. Product identifier

#### Trade name Type of product

- : QUIXX Solvent Cloth
- : Detergent

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.2.1. Relevant identified uses

Intended for general public Main use category Use of the substance/mixture

: Consumer use : Cleaning agent

#### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

#### Supplier

E.V.I. GmbH Hainbuchenring 4 82061 Neuried - Germany T +49 (0)89 745062-0 - F +49 (0)89 745062-99 www.e-v-i.de

#### 1.4. Emergency telephone number

Emergency number

## : National Health Service (NHS) 24 hour national number consumer England and Scotland: 111 Wales: 0845 46 47

Northern Ireland: call your local General Practitioner

Email competent person

sds@kft.de

Call 999 if there is a life-threatening incident.

# **SECTION 2: Hazards identification**

## 2.1. Classification of the substance or mixture

### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flammable liquids, Category 3H226Specific target organ toxicity — Single exposure, Category 3, NarcosisH336Full text of H statements : see section 16

### Adverse physicochemical, human health and environmental effects

Flammable liquid and vapour. May cause drowsiness or dizziness.

# 2.2. Label elements



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Hazard statements (CLP)	: H226 - Flammable liquid and vapour.
	H336 - May cause drowsiness or dizziness.
Precautionary statements (CLP)	: P101 - If medical advice is needed, have product container or label at hand.
	P102 - Keep out of reach of children.
	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
	No smoking.
	P261 - Avoid breathing vapours.
	P271 - Use only outdoors or in a well-ventilated area.
	P312 - Call a POISON CENTER, doctor if you feel unwell.
EUH-statements	: EUH066 - Repeated exposure may cause skin dryness or cracking.
Extra phrases	: INCI Name.
	BUTYL ACETATE.
Child-resistant fastening	: Not applicable
Tactile warning	: Not applicable

#### 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

## **SECTION 3: Composition/information on ingredients**

#### 3.1. Substances

## Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
n-butyl acetate	(CAS-No.) 123-86-4 (EC-No.) 204-658-1 (EC Index-No.) 607-025-00-1 (REACH-no) 01-2119485493-29-xxxx	50 - 100	Flam. Liq. 3, H226 STOT SE 3, H336

Full text of H-statements: see section 16

## **SECTION 4: First aid measures**

# 4.1. Description of first aid measures First-aid measures general : In all cases of doubt, or when symptoms persist, seek medical attention. Call a poison center or a doctor if you feel unwell. First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. First-aid measures after skin contact : Rinse skin with water/shower. Take off immediately all contaminated clothing. First-aid measures after eye contact : Rinse eyes with water as a precaution. First-aid measures after ingestion : Rinse mouth out with water. Call a poison center or a doctor if you feel unwell. 4.2. Most important symptoms and effects, both acute and delayed Acute and delayed

Symptoms/effects	: May cause drowsiness or dizziness.
Symptoms/effects after skin contact	: Repeated exposure may cause skin dryness or cracking.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media Unsuitable extinguishing media	<ul><li>: Use extinguishing media appropriate for surrounding fire. Water spray. Dry powder. Foam.</li><li>: Strong water jet.</li></ul>
5.2. Special hazards arising from the subs	tance or mixture
Fire hazard	: Flammable liquid and vapour.
Explosion hazard	: Explosive vapour/air mixtures may be formed.
Hazardous decomposition products in case of fire	: Toxic fumes may be released. Carbon monoxide. Carbon dioxide.
5.3. Advice for firefighters	
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Other information	: Do not allow run-off from fire fighting to enter drains or water courses. Disposal must be done according to official regulations.

#### 6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel	
Emergency procedures	: Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing mist, vapours, spray.
6.1.2. For emergency responders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Avoid sub-soil penetration. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up		
Methods for cleaning up Other information	<ul><li>Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.</li><li>Disposal must be done according to official regulations.</li></ul>	

#### 6.4. Reference to other sections

Information for safe handling. See section 7. Concerning personal protective equipment to use, see section 8. For further information refer to section 13.

7.1. Precautions for safe handling	
Additional hazards when processed	: In use, may form flammable vapour-air mixture.
Precautions for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Use only outdoors or in a well-ventilated area. Avoid breathing mist, vapours, spray.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

#### **Technical measures**

: Ground/bond container and receiving equipment.

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Storage conditions	:	Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.
Heat and ignition sources	:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No
		smoking. Keep away from heat and direct sunlight.
Information about storage in one common storage	:	Keep away from food, drink and animal feeding stuffs.
facility		

## 7.3. Specific end use(s)

No additional information available

# **SECTION 8: Exposure controls/personal protection**

## 8.1. Control parameters

n-butyl acetate (123-86-4)	
EU - Occupational Exposure Limits	
Local name	n-Butyl acetate
IOELV TWA (mg/m³)	241 mg/m³
IOELV TWA (ppm)	50 ppm
IOELV STEL (mg/m <sup>3</sup> )	723 mg/m <sup>3</sup>
IOELV STEL (ppm)	150 ppm
Notes	(Year of adoption 2016)
Regulatory reference	COMMISSION DIRECTIVE (EU) 2019/1831
United Kingdom - Occupational Exposure Limits	
Local name	Butyl acetate
WEL TWA (mg/m³)	724 mg/m³
WEL TWA (ppm)	150 ppm
WEL STEL (mg/m³)	966 mg/m³
WEL STEL (ppm)	200 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

n-butyl acetate (123-86-4)			
DNEL/DMEL (Workers)			
Acute - systemic effects, dermal	11 mg/kg bodyweight/day		
Acute - systemic effects, inhalation	600 mg/m <sup>3</sup>		
Acute - local effects, inhalation	600 mg/m <sup>3</sup>		
Long-term - systemic effects, dermal	11 mg/kg bodyweight/day		
Long-term - systemic effects, inhalation	300 mg/m <sup>3</sup>		
Long-term - local effects, inhalation	300 mg/m <sup>3</sup>		
DNEL/DMEL (General population)			
Acute - systemic effects, dermal	6 mg/kg bodyweight		
Acute - systemic effects, inhalation	300 mg/m <sup>3</sup>		
Acute - systemic effects, oral	2 mg/kg bodyweight		
Acute - local effects, inhalation	300 mg/m <sup>3</sup>		
Long-term - systemic effects,oral	2 mg/kg bodyweight/day		
Long-term - systemic effects, inhalation	35.7 mg/m <sup>3</sup>		

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Long-term - systemic effects, dermal	6 mg/kg bodyweight/day		
Long-term - local effects, inhalation	35.7 mg/m <sup>3</sup>		
PNEC (Water)			
PNEC aqua (freshwater)	0.18 mg/l		
PNEC aqua (marine water)	0.018 mg/l		
PNEC aqua (intermittent, freshwater)	0.36 mg/l		
PNEC (Sediment)			
PNEC sediment (freshwater)	0.981 mg/kg dwt		
PNEC sediment (marine water)	0.0981 mg/kg dwt		
PNEC (Soil)			
PNEC soil	0.0903 mg/kg dwt		
PNEC (STP)			
PNEC sewage treatment plant	35.6 mg/l		

#### 8.2. Exposure controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### Hand protection:

In case of repeated or prolonged contact wear gloves. Nitrile rubber. EN 374. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Gloves must be replaced after each use and whenever signs of wear or perforation appear

#### Eye protection:

Use splash goggles when eye contact due to splashing is possible. EN 166

#### Skin and body protection:

Wear suitable protective clothing. EN ISO 13688

#### **Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment. Breathing apparatus with filter. A-P2. EN 143. Breathing equipment is only to be used in order to handle the residual risk of short term jobs if all other risk minimizing measures have been carried out e.g. retention and/or local exhaust.

#### Environmental exposure controls:

Avoid release to the environment.

#### Other information:

Do not eat, drink or smoke when using this product. Avoid contact with skin and eyes. Always wash hands after handling the product. The above mentioned instructions regarding the protective equipment refer to the industrial use of larger quantities.

SECTION 9: Physical and chemical properties		
9.1. Information on basic physical and chemical properties		
Physical state	: Solid	
Appearance	: Liquid on inert carrier material.	
Colour	: No data available	
Odour	: No data available	

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Odour threshold	: No data available
рН	: No data available
Relative evaporation rate (butylacetate=1)	: Not applicable
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: 124 – 128 °C (n-butyl acetate)
Flash point	: 26 °C (DIN EN ISO 1523; n-butyl acetate)
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: Not applicable
Relative vapour density at 20 °C	: Not applicable
Relative density	: No data available
Density	: 0.88 g/cm <sup>3</sup> (n-butyl acetate)
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: Not applicable
Explosive properties	: Product is not explosive. Explosive vapour/air mixtures may be formed.
Oxidising properties	: Non oxidizing.
Lower explosive limit (LEL)	: 1.2 vol %
Upper explosive limit (UEL)	: 7.5 vol %

#### 9.2. Other information

VOC content

: 100 %

# **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport. Flammable liquid and vapour.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

#### 10.5. Incompatible materials

No additional information available

#### **10.6. Hazardous decomposition products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

# **SECTION 11: Toxicological information**

11.1. Information on toxicologica	leffects
Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met)

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Respiratory or skin sensitisation Germ cell mutagenicity Carcinogenicity	<ul> <li>Not classified (Based on available data, the classification criteria are not met)</li> <li>Not classified (Based on available data, the classification criteria are not met)</li> <li>Not classified (Based on available data, the classification criteria are not met)</li> </ul>
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: May cause drowsiness or dizziness.
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Not relevant)

## **SECTION 12: Ecological information**

12.1. Toxicity	
Hazardous to the aquatic environment, short-term (acute)	: Not classified (Based on available data, the classification criteria are not met)
Hazardous to the aquatic environment, long-term (chronic)	: Not classified (Based on available data, the classification criteria are not met)

#### 12.2. Persistence and degradability

n-butyl acetate (123-86-4)	
Persistence and degradability	Readily biodegradable.
Biodegradation	83 % (28 d; (OECD 301D method))

#### 12.3. Bioaccumulative potential

n-butyl acetate (123-86-4)		
Bioconcentration factor (BCF REACH)	15 (Calculation method)	
Partition coefficient n-octanol/water (Log Pow)	2.3 (25 °C; (OECD 117 method))	
Bioaccumulative potential	Slightly bioaccumulative.	

#### 12.4. Mobility in soil

n-butyl acetate (123-86-4)	
Surface tension	61.3 mN/m (20 °C; (OECD 115 method))
Partition coefficient n-octanol/water (Log Koc)	1.268 – 1.844 (Quantitative structure-activity relationship (QSAR))
Ecology - soil	Product adsorbs little onto the soil.

## 12.5. Results of PBT and vPvB assessment

is substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII is substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

#### 12.6. Other adverse effects

No additional information available

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# **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Waste treatment methods

Product/Packaging disposal recommendations Additional information HP Code

- : Disposal must be done according to official regulations. European waste catalogue. Do not discharge into drains or the environment. Do not dispose of with domestic waste.
- : Recycle or dispose of in compliance with current legislation.
- : Flammable vapours may accumulate in the container.
- : HP3 "Flammable:"
  - flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and  $\leq$  75 °C;
  - flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air;
  - flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;
  - flammable gaseous waste: gaseous waste which is flammable in air at 20  $^{\circ}\text{C}$  and a standard pressure of 101.3 kPa;
  - water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;
  - other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.

## **SECTION 14: Transport information**

ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number	1			1
UN 3175	UN 3175	UN 3175	UN 3175	UN 3175
14.2. UN proper shippin	ig name	1		l
SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (n-butyl acetate)	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (n-butyl acetate)	Solids containing flammable liquid, n.o.s. (n- butyl acetate)	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (n-butyl acetate)	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (n-butyl acetate)
Fransport document desc	ription			
UN 3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (n-butyl acetate), 4.1, II, (E)	UN 3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (n-butyl acetate), 4.1, II	UN 3175 Solids containing flammable liquid, n.o.s. (n- butyl acetate), 4.1, II	UN 3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (n-butyl acetate), 4.1, II	UN 3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (n-butyl acetate) 4.1, II
14.3. Transport hazard	class(es)			
4.1	4.1	4.1	4.1	4.1
14.4. Packing group				
II	II	II	II	II
14.5. Environmental ha	zards			
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No

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Overland transport	
Classification code (ADR)	: F1
Special provisions (ADR)	: 216, 274, 601
Limited quantities (ADR)	: 1kg
Excepted quantities (ADR)	: E2
Transport category (ADR)	: 2
Hazard identification number (Kemler No.)	: 40
Orange plates	<b>40</b> <b>3175</b>
Tunnel restriction code (ADR)	: E
EAC code	: 1Z
Transport by sea	
Special provisions (IMDG)	: 216, 274
Limited quantities (IMDG)	: 1 kg
Excepted quantities (IMDG)	: E2
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-I
Air transport	
PCA Excepted quantities (IATA)	: E2
PCA Limited quantities (IATA)	: Y441
PCA limited quantity max net quantity (IATA)	: 5kg
PCA packing instructions (IATA)	: 445
PCA max net quantity (IATA)	: 15kg
CAO max net quantity (IATA)	: 50kg
Special provisions (IATA)	: A46
Inland waterway transport	
Classification code (ADN)	: F1
Special provisions (ADN)	: 216, 274, 601, 800
Limited quantities (ADN)	: 1 kg
Excepted quantities (ADN)	: E2
Additional requirements/Remarks (ADN)	: VE03, IN01 and IN02 apply only when this substance is carried in bulk or without packaging
Rail transport	
Classification code (RID)	: F1
Special provisions (RID)	: 216, 274, 601
Limited quantities (RID)	: 1kg
Excepted quantities (RID)	: E2
Transport category (RID)	: 2
Hazard identification number (RID)	: 40

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

#### Not applicable

# **SECTION 15: Regulatory information**

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

## 15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:		
Reference code	Applicable on	
3(a)	n-butyl acetate	
3(b)	n-butyl acetate	
40.	QUIXX Solvent Cloth ; n-butyl acetate	
Contains no substance on the REACH candidate list		

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#### Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

#### VOC content

: 100 %

#### Directive 2012/18/EU (SEVESO III)

Seveso III Part I (Categories of dangerous substances)	Qualifying quantity (tonnes)	
	Lower-tier	Upper-tier
P5c FLAMMABLE LIQUIDS Flammable liquids, Categories 2 or 3 not covered by P5a and P5b	5000	50000

#### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

# **SECTION 16: Other information**

Abbreviations and acronyms:				
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways			
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road			
ATE	Acute Toxicity Estimate			
BCF	Bioconcentration factor			
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008			
DMEL	Derived Minimal Effect level			
DNEL	Derived-No Effect Level			
EC50	Median effective concentration			
IARC	International Agency for Research on Cancer			
ΙΑΤΑ	International Air Transport Association			
IMDG	International Maritime Dangerous Goods			
LC50	Median lethal concentration			
LD50	Median lethal dose			
LOAEL	Lowest Observed Adverse Effect Level			
NOAEC	No-Observed Adverse Effect Concentration			
NOAEL	No-Observed Adverse Effect Level			
NOEC	No-Observed Effect Concentration			
OECD	Organisation for Economic Co-operation and Development			
PBT	Persistent Bioaccumulative Toxic			
PNEC	Predicted No-Effect Concentration			
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006			
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail			
SDS	Safety Data Sheet			

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STP	Sewage treatment plant		
TLM	Median Tolerance Limit		
vPvB	Very Persistent and Very Bioaccumulative		
Department issuing data : specification sheet:	Information provided by the manufacturer. MSDS of the supplier. ECHA (European Chemicals Agency). KFT Chemieservice GmbH Im Leuschnerpark. 3 64347 Griesheim Germany		
	Phone: +49 6155-8981-400 Fax: +49 6155 8981-500 Safety Data Sheet Service: +49 6155 8981-522 Dr. Korinna Bader		

Flammable liquids, Category 3		
. Liq. 3 Flammable liquids, Category 3		
Specific target organ toxicity — Single exposure, Category 3, Narcosis		
Flammable liquid and vapour.		
May cause drowsiness or dizziness.		
Repeated exposure may cause skin dryness or cracking.		

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:					
Flam. Liq. 3	H226	Calculation method			
STOT SE 3	H336	Calculation method			

KFT SDS EU 11

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.