

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2015/830

32B
Version 13.1

FIXID 1K Kleber
Revision date 24-Jan-2022

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No information available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description

Polyurethane-Prepolymers with stabilizers in a mixture of organic solvents

Hazardous ingredients

CAS No. EC No. Index No.	Substance name REACH No. Classification according to Regulation (EC) No 1272/2008 [CLP]	weight-%
* 67-64-1 200-662-2 606-001-00-8	acetone; propan-2-one; propanone 01-2119471330-49 Flam. Liq. 2 H225 / Eye Irrit. 2 H319 / STOT SE 3 H336 / EUH066	35,0 < 50,0
* 141-78-6 205-500-4 607-022-00-5	ethyl acetate 01-2119475103-46 Flam. Liq. 2 H225 / Eye Irrit. 2 H319 / STOT SE 3 H336 / EUH066	25,0 < 35,0
* 1330-20-7 215-535-7 601-022-00-9	xylene 01-2119488216-32 Flam. Liq. 3 H226 / Asp. Tox. 1 H304 / Acute Tox. 4 H312 / Skin Irrit. 2 H315 / Eye Irrit. 2 H319 / Acute Tox. 4 H332 / STOT SE 3 H335 / STOT RE 2 H373	5,0 < 10,0

Remark

Full text of H- and EUH-statements: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Remove affected person from the danger area and lay down.

Following inhalation

Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. Medical treatment necessary. In case of inhalation of decomposition products, affected person should be moved into fresh air and kept still.

Following skin contact

Take off contaminated clothing and wash it before reuse. After contact with skin, wash immediately with plenty of water and soap. Rub greasy ointment into the skin.

After eye contact

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

* **Following ingestion**

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. In case of allergic symptoms, especially in the breathing area, seek medical advice immediately.

Self-protection of the first aider

First aider: Pay attention to self-protection!

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

dizziness. Nausea.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Transport affected person in lying position, in case of shortness of breath in half-sitting position. Where appropriate artificial ventilation.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂), alcohol resistant foam, Extinguishing powder, ABC-powder, spray mist, (water), Dry sand.

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Unsuitable extinguishing media

Full water jet. Strong water jet.

5.2 Special hazards arising from the substance or mixture

Flammable. Vapours can form explosive mixtures with air. Do not inhale explosion and combustion gases. In case of fire may be liberated: Hydrogen chloride (HCl). Burning produces heavy smoke.

5.3 Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

5.4 Additional information

Suppress gases/vapours/mists with water spray jet. Use water spray jet to protect personnel and to cool endangered containers. Remove product from area of fire. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes and skin. Use personal protection equipment. Remove all sources of ignition. Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. Cover drains.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4 Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling

This material can be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment, and electronic devices such as cell phones, computers, calculators, and pagers which have not been certified as intrinsically safe). If handled uncovered, arrangements with local exhaust ventilation should be used if possible. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

Advices on general occupational hygiene

When using do not eat, drink, smoke, sniff. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. Before starting work, apply solvent-resistant skincare preparations.

Further information

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Vapours/aerosols must be exhausted directly at the point of origin. Take precautionary measures against static discharges.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep only in the original container in a cool, well-ventilated place. Keep container tightly closed. Store in a well-ventilated and dry room at temperatures between 15 °C and 30 °C. Ensure adequate ventilation of the storage area.

Hints on joint storage

Do not store together with: Oxidizing agent, Pyrophoric or self-heating substances. Store packaging and ignitable materials separately. Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions

Floors should be impervious, resistant to liquids and easy to clean. Store small packages in a suitable, robust cabinet.

7.3 Specific end use(s)

Adhesives, sealants, Roller application or brushing of adhesive and other coating.

SECTION 8: Exposure controls/personal protection

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8.1 Control parameters

Occupational exposure limit values

	CAS No.	Substance name	Source	Long-term /short-term (Spitzenbegrenzung)
*	67-64-1	acetone; propan-2-one; propanone	WEL	1.210 / 3.620 (-) mg/m ³
*	141-78-6	ethyl acetate	WEL	734 / 1.468 (-) mg/m ³
*	1330-20-7	xylene	WEL	220 / 441 (-) mg/m ³

Additional information

Long-term: Long-term occupational exposure limit value
short-term: short-term occupational exposure limit value

Biological limit values

	CAS No.	Substance name	Source	Value/ Test material
*	1330-20-7	xylene	BMGV	650 mmol/mol creatinine / urine

DNEL worker

	CAS No.	Substance name	DNEL type	DNEL value
*	67-64-1	acetone; propan-2-one; propanone	DNEL acute inhalative (systemic)	2.420 mg/L
*	67-64-1	acetone; propan-2-one; propanone	DNEL long-term inhalative (systemic)	1.210 mg/L
*	67-64-1	acetone; propan-2-one; propanone	DNEL long-term dermal (systemic)	186 mg/kg
*	141-78-6	ethyl acetate	DNEL long-term inhalative (systemic)	1,468 mg/L
*	141-78-6	ethyl acetate	DNEL acute inhalative (local)	1,468 mg/L
*	141-78-6	ethyl acetate	DNEL long-term dermal (systemic)	63 mg/kg
*	1330-20-7	xylene	DNEL long-term inhalative (systemic)	77 mg/m ³
*	1330-20-7	xylene	DNEL acute inhalative (systemic)	289 mg/m ³
*	1330-20-7	xylene	DNEL acute inhalative (local)	289 mg/m ³
*	1330-20-7	xylene	DNEL long-term dermal (systemic)	180 mg/kg bw/day

DNEL Consumer

	CAS No.	Substance name	DNEL type	DNEL value
*	67-64-1	acetone; propan-2-one; propanone	DNEL long-term dermal (systemic)	62 mg/kg
*	67-64-1	acetone; propan-2-one; propanone	DNEL long-term inhalative (systemic)	200 mg/L
*	67-64-1	acetone; propan-2-one; propanone	DNEL long-term oral (repeated)	62 mg/kg
*	141-78-6	ethyl acetate	DNEL acute inhalative (systemic)	0,734 mg/L
*	141-78-6	ethyl acetate	DNEL long-term inhalative (local)	0,734 mg/L
*	141-78-6	ethyl acetate	DNEL long-term dermal (systemic)	37 mg/kg

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32B
Version 13.1
FIXID 1K Kleber
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	141-78-6	ethyl acetate	DNEL long-term inhalative (systemic)	0,037 mg/L
*	141-78-6	ethyl acetate	DNEL long-term oral (repeated)	4,5 mg/kg
*	141-78-6	ethyl acetate	DNEL acute inhalative (local)	0,367 mg/L
*	1330-20-7	xylene	DNEL long-term inhalative (systemic)	14,8 mg/m ³
*	1330-20-7	xylene	DNEL long-term dermal (systemic)	108 mg/kg bw/day
*	1330-20-7	xylene	DNEL long-term oral (repeated)	1,6 mg/kg bw/day

PNEC

	CAS No.	Substance name	PNEC type	PNEC Value
*	67-64-1	acetone; propan-2-one; propanone	PNEC aquatic, freshwater	10,6 mg/L
*	67-64-1	acetone; propan-2-one; propanone	PNEC aquatic, marine water	1,06 mg/L
*	67-64-1	acetone; propan-2-one; propanone	PNEC sediment, freshwater	30,4 mg/L
*	67-64-1	acetone; propan-2-one; propanone	PNEC sediment, marine water	3,04 mg/L
*	67-64-1	acetone; propan-2-one; propanone	PNEC soil, marine water	29,5 mg/L
*	141-78-6	ethyl acetate	PNEC aquatic, freshwater	0,26 mg/L
*	141-78-6	ethyl acetate	PNEC aquatic, marine water	0,026 mg/L
*	141-78-6	ethyl acetate	PNEC sediment, freshwater	0,34 mg/kg
*	141-78-6	ethyl acetate	PNEC sediment, marine water	0,034 mg/kg
*	141-78-6	ethyl acetate	PNEC soil, freshwater	0,22 mg/kg
*	1330-20-7	xylene	PNEC aquatic, freshwater	0,327 mg/L
*	1330-20-7	xylene	PNEC aquatic, marine water	0,327 mg/L
*	1330-20-7	xylene	PNEC sewage treatment plant (STP)	6,58 mg/L
*	1330-20-7	xylene	PNEC sediment, freshwater	12,46 mg/kg
*	1330-20-7	xylene	PNEC sediment, marine water	12,46 mg/kg
*	1330-20-7	xylene	PNEC soil, freshwater	2,31 mg/kg

8.2 Exposure controls

If handled uncovered, arrangements with local exhaust ventilation should be used if possible.

Personal protection equipment

Respiratory protection

- * If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Combination filtering device Use the following filter types for cleaning waste gases:

Hand protection

Suitable material: Butyl caoutchouc (butyl rubber)

Thickness of the glove material: >= 0,5 mm

- * Breakthrough time:: >= 1 h
For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Eye/face protection

Wear closely fitting protective glasses in case of splashes.

Body protection

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2015/830

32B
Version 13.1

FIXID 1K Kleber
Revision date 24-Jan-2022

Print date 24-Jan-2022

When handling with chemical substances, protective clothing with CE-labels including the four control digits must be worn.
Wear anti-static footwear and clothing

Environmental exposure controls

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	liquid
Colour	transparent

Safety characteristics

	Odour	characteristic
	Odour threshold	not determined
*	pH at 20 °C:	not determined
	Melting point/freezing point	not determined
	Initial boiling point and boiling range	56 °C
	Flash point	-18 °C
	Evaporation rate at 20°C	not determined
*	Burning time	not applicable
	Lower explosion limit at 20°C	2,1 Vol-%
	Upper explosion limit at 20°C	14,3 Vol-%
	Vapour pressure at 20°C	246 mbar
	Density at 20°C	0,889 kg/l
*	Water solubility at 20°C	not determined
	Partition coefficient: n-octanol/water	see section 12
	Ignition temperature in °C	460 °C
	Decomposition temperature	not determined
	Viscosity	2.000 mPas
	Explosive properties	not relevant
	Oxidising properties	not relevant

9.2 Other information

not applicable

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2 Chemical stability

The study does not need to be conducted because the substance is known to be stable at room temperature for prolonged periods of time (days).

10.3 Possibility of hazardous reactions

Gases / vapours, highly flammable. Vapours can form explosive mixtures with air.

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5 Incompatible materials

Acid, concentrated, Oxidising agent, strong.

10.6 Hazardous decomposition products

Safety Data Sheet
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according to Regulation (EU) 2015/830

32B
Version 13.1

FIXID 1K Kleber
Revision date 24-Jan-2022

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Thermal decomposition can lead to the escape of irritating gases and vapours.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

* **acetone; propan-2-one; propanone**

LD50: oral (Rat): = 5.800 mg/kg

LD50: dermal (Rabbit): > 15.800 mg/kg

LC50: inhalative (Rat): = 76 ppmV (4 h)

* **ethyl acetate**

LD50: oral (Rat): > 5.620 mg/kg

LD50: dermal (Rabbit): > 18.000 mg/kg

* **LC50: inhalative (Rat): = 56 mg/L (4 h)**

* **xylene**

LD50: oral (Rat): = 3.523 mg/kg

LD50: dermal (Rabbit): = 12.126 mg/kg

LC50: inhalative (Rat): = 27.571 mg/m³ (4 h)

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

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.

Practical experience/human evidence

- * Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: Headache, Dizziness, fatigue, amyosthenia, Dizziness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

SECTION 12: Ecological information

12.1 Toxicity

Based on available data, the classification criteria are not met.

Acute (short-term) fish toxicity

* **acetone; propan-2-one; propanone**

LC50: (Oncorhynchus mykiss (Rainbow trout)): = 5.540 mg/L (96 h)

* **ethyl acetate**

LC50: (Oncorhynchus mykiss (Rainbow trout)): = 230 mg/L (96 h)

* **xylene**

LC50: (Oncorhynchus mykiss (Rainbow trout)): = 2,6 mg/L (96 h)

Acute (short-term) toxicity to algae and cyanobacteria

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2015/830

32B
Version 13.1

FIXID 1K Kleber
Revision date 24-Jan-2022

Print date 24-Jan-2022

* **acetone; propan-2-one; propanone**

ErC50: = 100 mg/L (96 h)

* **ethyl acetate**

LC50: (Desmodesmus subspicatus): = 5.600 mg/L (48 h)

* **xylene**

ErC50: = 2,2 mg/L (72 h)

Acute (short-term) toxicity to crustacea

* **acetone; propan-2-one; propanone**

EC50 (Daphnia pulex (water flea)): = 8.800 mg/L (48 h)

* **ethyl acetate**

EC50 (Daphnia magna (Big water flea)): = 165 mg/L (48 h)

* **xylene**

EC50 (Daphnia magna (Big water flea)): = 1 mg/L (48 h)

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water = 0,68

Partition coefficient: n-octanol/water = -0,24

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product/Packaging disposal

Do not empty into drains; dispose of this material and its container in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

Waste codes/waste designations according to EWC/AVV

- * 080409* - Waste adhesives and sealants containing organic solvents or other dangerous substances

Other disposal recommendations

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

SECTION 14: Transport information

14.1 UN number

UN 1133

14.2 UN proper shipping name

Land transport (ADR/RID)

- * KLEBSTOFFE (enthält 2- Propanon; Aceton; Propanon, Ethylacetat)

Sea transport (IMDG)

- * Adhesives (contain acetone; propan-2-one; propanone, ethyl acetate)

Air transport (ICAO-TI / IATA-DGR)

- * Adhesives (contain acetone; propan-2-one; propanone, ethyl acetate)

14.3 Transport hazard class(es)

Land transport (ADR/RID) 3

Sea transport (IMDG) 3

Air transport (ICAO-TI / IATA-DGR) 3

14.4 Packing group

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2015/830

32B
Version 13.1

FIXID 1K Kleber
Revision date 24-Jan-2022

Print date 24-Jan-2022

Land transport (ADR/RID)	II for packages < = 450 litres: III
Sea transport (IMDG)	II for packages < 30 litres: III
Air transport (ICAO-TI / IATA-DGR)	II for packages < 30 litres: III

14.5 Environmental hazards

Land transport (ADR/RID)	not applicable
Sea transport (IMDG)	not applicable

14.6 Special precautions for user

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage. Advices on safe handling: see parts 6 - 8

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

No transport as bulk according to IBC Code.

14.8 Additional information

Land transport (ADR/RID)

tunnel restriction code: D/E
for packages < = 450 litres: E

* Special provisions SV 640C

Sea transport (IMDG)

Segregation group: IMDG-Code segregation group not applicable

* EmS-Code: F-E, S-D

Air transport (ICAO-TI / IATA-DGR)

* not applicable

SECTION 15: Regulatory information

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

EU legislation

Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

* **Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive]**

* VOC-value 720,031 g/l

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]

Hazard categories / Named dangerous substances

* P5c FLAMMABLE LIQUIDS
Quantity 1: 5.000t; Quantity 2: 50.000t

National regulations

15.2 Chemical Safety Assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

REACH No.	Substance name
* 01-2119471330-49	acetone; propan-2-one; propanone
* 01-2119475103-46	ethyl acetate
* 01-2119488216-32	xylene

SECTION 16: Other information

Relevant R-, H- and EUH-phrases (Number and full text)

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.

Safety Data Sheet
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according to Regulation (EU) 2015/830

32B
Version 13.1

FIXID 1K Kleber
Revision date 24-Jan-2022

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H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Flam. Liq. 2	On basis of test data.
Eye Irrit. 2	Calculation method.
STOT SE 3 Narcotic effects	Calculation method.

Abbreviations and acronyms

For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>

Indication of changes

* Data changed compared with the previous version