TECPO

TECPO 2K Verdünnung_EN

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

1.1. Product identifier

Trade name

TECPO 2K Verdünnung_EN

Article No.

300238

UFI code

8SGT-HUJX-A00R-RQ8N

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

Product type

PC9a - Coatings and paints, thinners, paint removers.

Relevant identified uses

Thinners

SU3 - Industrial uses: Uses of substances as such or in preparations at industrial sites.
SU22 - Professional uses: Public domain (administration, education, entertainment, services, crafts-men).

Not suitable for use in

No further relevant information available.

1.3. Details of the supplier of the safety data sheet

Supplier

TECPO GmbH

Address
Dreherstraße 16-20

42899 Remscheid
Germany

Telephone
+49 2191 951 3305

Email
info@tecpo.de

Fax
+49 2191 951 33044

Web site
www.tecpo.de

Contact person
Baris Ünsal

1.4. Emergency telephone number

Poison center/Additional emergency number

+49 (0) 89 19240 (Available 24/7) - Poison Emergency Call Munich (Available for the public.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Classification

Flammable liquids, hazard category 3
Aspiration hazard, hazard category 1
Skin irritation, hazard category 2
Eye irritation, hazard category 2
Specific Target Organ Toxicity — Single exposure, hazard category 3 - respiratory tract irritation
Specific Target Organ Toxicity — Single exposure, hazard category 3 - narcosis
Specific Target Organ Toxicity — Repeated exposure, hazard category 2
Hazardous to the aquatic environment — Chronic hazard category 3

Hazard statements

H226, H304, H315, H319, H335, H336, H373, H412

Description
The product is classified and labeled according to the CLP regulation.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms



Signal word
Danger

Hazard statements
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs (hearing) through prolonged or repeated exposure .
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321 Specific treatment (see on this label).
P331 Do NOT induce vomiting.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P501 Dispose of contents/container to in accordance with local, regional, national, and international waste disposal regulations

More information
Hazard-determining components of labeling:
Xylene (reaction mass of ethylbenzene and xylene)
n-butyl acetate
Hydrocarbons, C9, aromatics
2-Methoxy-1-methyl ethyl acetate

2.3. Other hazards

This product does not contain any PBT or vPvB substances.

The product does not contain any substances with endocrine-disrupting properties.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrase M factor acute M factor chronic	Specific concentration limits ATE	Note
n-butyl acetate	123-86-4 204-658-1 01-2119485493-29 607-025-00-1	50 - 100%	Flam. Liq. 3, STOT SE 3 - narcosis	H226, H336, EUH066 - -		-
Xylene (reaction mass of ethylbenzene and xylene)	- 905-588-0 01-2119488216-32 -	≥10 - <25%	Flam. Liq. 3, Asp. Tox. 1, Acute Tox. 4 - dermal, Skin Irrit. 2, Eye Irrit. 2, Acute Tox. 4 - inhalation, STOT SE 3 - resp. tract irrit., STOT RE 2, Aquatic Chronic 3	H226, H304, H312, H315, H319, H332, H335, H373, H412 - -		-
Hydrocarbons, C9, aromatics	64742-95-6 918-668-5 01-2119455851-35 -	≥2,5 - ≤20%	Flam. Liq. 3, Asp. Tox. 1, STOT SE 3 - resp. tract irrit., STOT SE 3 - narcosis, Aquatic Chronic 2	H226, H304, H335, H336, H411, EUH066 - -		-
2-methoxy-1-methyl-ethyl acetate	108-65-6 203-603-9 01-2119475791-29 607-195-00-7	2,5 - <10%	Flam. Liq. 3, STOT SE 3 - narcosis	H226, H336 - -		-

Product based on

Mixture of the substances listed below with additives not subject to labeling.

Substance additional information
For the complete text of H- / EUH-statements mentioned in this section, see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures
Immediately remove any clothing contaminated with the product.

Inhalation
Supply fresh air, consult a doctor in case of complaints.

Skin contact
Wash off immediately with soap and water and rinse thoroughly.

Eye contact
Rinse opened eye for several minutes under running water. If symptoms persist consult a doctor if symptoms persist.

Ingestion
Get immediate medical advice/attention.

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 media
CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol-resistant foam. foam.

Unsuitable extinguishing media
Full water jet.

5.2. Special hazards arising from the substance or mixture
Formation of toxic gases when heated or in case of fire.

5.3. Advice for firefighters
Special protective equipment for fire-fighters
Put on the breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on the breathing apparatus.
Wear protective equipment. Keep unprotected persons away.

6.2. Environmental precautions

Do not allow to enter drains or waterways.
If the product enters the sewage system/surface water/groundwater, inform the responsible authority.
Do not allow to enter drains/surface water/ground water.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid binder, universal binder, saw-dust). Dispose of contaminated material as waste according to section 13.
Ensure adequate ventilation.

6.4. Reference to other sections

See SECTIONS 7+8+13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Preventive handling precautions

Ensure good ventilation/extraction at the workplace.
Avoid aerosol formation.

Notes on fire and explosion protection:
Keep ignition sources away - do not smoke.
Take action to prevent static discharges.
Have breathing apparatus ready.

General hygiene

Do not eat, drink, smoke or take snuff at work. Wash hands before breaks and at the end of work.
Remove soiled, soaked clothing immediately. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and containers:
No special requirements.

Storage instructions:
Store separately from foodstuffs, luxury foods and animal feed.

Further information on storage conditions:
Keep container tightly closed.

Storage class according to TRGS 510: 3 (Flammable liquids)

7.3. Specific end use(s)
No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
Exposure limits
Additional information: The lists valid at the time of preparation were used as a basis.

National occupational exposure limits

Ingredient	CAS No. EC No.	Exposure limit ppm / mg/m³	Source	Remark	Year
n-butyl acetate	123-86-4 204-658-1	62 / 300	TRGS 900	2(I); AGS, Y	-
2-methoxy-1-methylethyl acetate	108-65-6 203-603-9	50 / 270	TRGS 900	I(I); DFG, EU, Y	-

DNEL/DMEL

Product/Substance name (CAS No./EC No.)	Type	Exposure	Value	Population	Effects
n-butyl acetate (123-86-4/204-658-1)	DNEL	Chronic (long term) Inhalation	300 mg/m³	Workers	Systemic
n-butyl acetate (123-86-4/204-658-1)	DNEL	Chronic (long term) Dermal	11 mg/kg bw/day	Workers	Systemic
n-butyl acetate (123-86-4/204-658-1)	DNEL	Chronic (long term) Dermal	6 mg/kg bw/day	Consumers	Systemic
n-butyl acetate (123-86-4/204-658-1)	DNEL	Acute (short term) Inhalation	600 mg/m³	Workers	Systemic
Xylene (reaction mass of ethylbenzene and xylene) (-/905-588-0)	DNEL	Chronic (long term) Dermal	180 mg/m³	Workers	Systemic
Xylene (reaction mass of ethylbenzene and xylene) (-/905-588-0)	DNEL	Chronic (long term) Inhalation	221 mg/m³	Workers	Local

8.2. Exposure controls
Appropriate engineering controls
see SECTION 7.

Personal Protective Equipment Symbols



Eye / face protection
Tightly sealed safety goggles

Hand protection
Selection of the glove material taking into account the breakthrough times, permeation rates and degradation.

Gloves must comply with the EN 374 standard. The glove material must be impermeable and resistant to the product / substance / preparation.

Glove material: Butyl rubber.
Recommended material thickness: ≥ 0,7 mm

The selection of a suitable glove depends not only on the material but also on other quality features and varies from manufacturer to manufacturer. As the product is a mixture of several substances, the resistance of glove materials cannot be calculated in advance and must therefore be checked before use.

Penetration time of the glove material:
Penetration time of the glove material Value for permeation: Level 2
The exact breakthrough time must be obtained from the protective glove manufacturer and adhered to.

Respiratory protection
For short-term or low exposure, respiratory filter device; for intensive or prolonged exposure use self-contained breathing apparatus.
Recommended filter type: Filter A/P2 (EN 141, EN 143)

Environmental exposure controls
General protective and hygiene measures:
Keep away from food, drink and animal feeding stuffs.
Remove soiled, soaked clothing immediately.
Wash hands before breaks and at the end of work.
Store work clothes separately.
Avoid contact with eyes.
Avoid contact with eyes and skin.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state
Liquid

Colour
According to product description

Odour
Characteristic.

Odour threshold
Not determined.

Melting point / freezing point
Not determined.

Boiling point or initial boiling point and boiling range
124 - 128 °C
Method
(123-86-4 n-butyl acetate)

Flammability
FLAMMABLE.

Lower and upper explosion limit
Lower: 0.6% by volume; Upper: 8.5% by volume (64742-95-6 Hydrocarbons, C9, aromatics) (123-86-4 n-butyl acetate)

Flash point
24 °C

Auto-ignition temperature
315 °C
Method
DIN 51794

Decomposition temperature
Not determined.

pH
Not determined.

Kinematic viscosity
25 - 45 mm²/s
Method
DIN 53211/4

Viscosity, dynamic
Not determined.

Solubility
No data available

Water solubility
Not or only slightly miscible.

Partition coefficient n-octanol/water
Not determined.

Vapour pressure
10,7 hPa
Method
@ 20 °C (115-10-6 n-butyl acetate)

Density and/or relative density
0,883 g/cm³
Method
@ 20 °C

Relative density
Not determined.

Relative vapour density
Not determined.

Evaporation Rate
Not determined.

Explosive properties
The product is not explosive, but the formation of explosive vapor/air mixtures is possible.

Oxidising properties
Not applicable.

VOC %
100 %

Particle characteristics
No data available

Information on basic physical and chemical properties
Flammable liquid and vapour.

9.2. Other information
The product is not self-igniting.

SECTION 10: Stability and reactivity

10.1. Reactivity
No further relevant information available.

10.2. Chemical stability
No decomposition when used as intended.

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
Carbon monoxide (CO).

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.

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals
Xylene (reaction mass of ethylbenzene and xylene) / 905-588-0	LD50	15400 mg/kg	Dermal	-	Rat
n-butyl acetate 123-86-4 / 204-658-1	LD50	13100 mg/kg	Oral	-	Rat
n-butyl acetate 123-86-4 / 204-658-1	LD50	>5000 mg/kg	Dermal	-	Rabbit
2-methoxy-1-methylethyl acetate 108-65-6 / 203-603-9	LD50	8532 mg/kg	Oral	-	Rat
2-Butoxy-ethyl acetate 112-07-2 / 203-933-3	LD50	1880 mg/kg	Oral	-	Rat
2-Butoxy-ethyl acetate 112-07-2 / 203-933-3	LD50	1480 mg/kg	Dermal	-	Rabbit

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals
Hydrocarbons, C9, aromatics 64742-95-6 / 918-668-5	LD50	> 2000 mg/kg	Oral	-	Rat
Hydrocarbons, C9, aromatics 64742-95-6 / 918-668-5	LD50	> 2000 mg/kg	Dermal	-	Rabbit
Xylene (reaction mass of ethylbenzene and xylene) / 905-588-0	LD50	3500 mg/kg	Oral	-	Rat
Xylene (reaction mass of ethylbenzene and xylene) / 905-588-0	LC50	17,6 mg/l	Inhalative	4 hours	Rat

Skin corrosion/irritation
Causes skin irritation.

Serious eye damage/irritation
Causes serious eye irritation.

Respiratory or skin sensitisation
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 respiratory irritation. May cause drowsiness or dizziness.

STOT-repeated exposure
May cause hearing damage with prolonged or repeated exposure.

Aspiration hazard
May be fatal if swallowed and enters airways.

11.2. Information on other hazards

Endocrine disrupting properties

The product does not contain any substances with endocrine-disrupting properties.

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity

No further relevant information available.

12.2. Persistence and degradability

No further relevant information available.

12.3. Bioaccumulative potential

No further relevant information available.

12.4. Mobility in soil

Mobility

No further relevant information available.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Endocrine disrupting properties

For information on endocrine disrupting properties see section 11.

12.7. Other adverse effects

Harmful to fish.

Other

Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
Harmful to aquatic life.

German Water Class

WGK2 - significantly water endangering

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal considerations

The mentioned waste codes are recommendations based on the expected use of the product.
Must not be disposed of together with household waste. Do not allow to enter drains.

Packaging
Uncleaned packaging: Disposal in accordance with official regulations.

Waste code	Waste description
14 06 03*	other solvents and solvent mixtures

Please note - an asterisk (*) next to a code denotes that it is HAZARDOUS WASTE.

SECTION 14: Transport information

14.1. UN number
1263

14.2. UN proper shipping name
ADR / RID / ADN proper shipping name
PAINT RELATED MATERIAL (including paint thinning and reducing compound)

IMDG proper shipping name
PAINT RELATED MATERIAL (including paint thinning or reducing compound)

14.3. Transport hazard class(es)
Label
ADR/RID/ADN





3 *Environmental hazard*

IMDG





3 *Environmental hazard*

ADR / RID Class
3
Tunnel restriction code: D/E
Transportation category: 3

ADR / RID Classification code
F1

ADR / RID hazard identification number
30

IMDG Class
3

ADN Class
3

ADN Class Code
F1

14.4. Packing group
ADR / RID / ADN: III
IMDG: III

14.5. Environmental hazards
ENVIRONMENTALLY HAZARDOUS

IMDG Marine Pollutant
ENVIRONMENTALLY HAZARDOUS

14.6. Special precautions for user
Attention: Flammable liquid substances

IMDG EmS
F-E, S-E

14.7. Maritime transport in bulk according to IMO instruments
Not applicable.

Other

Additional information ADR-RID
Limited quantity: 5 L
Exempted quantity E1

Additional information IMDG
Limited quantity: 5 L
Exempted quantity E1

SECTION 15: Regulatory information

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

EU regulations

Directive 2012/18/EU - Named dangerous substances - ANNEX I
None of the ingredients are included.

Annex XVII (REACH):
The product is subject to the following restrictions according to Annex XVII, Regulation (EC) 1907/2006 (REACH): 3

Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment - Annex II
None of the ingredients are included.

Information on the SEVESO III Directive 2012/18/EU
P5c FLAMMABLE LIQUIDS

National regulations

Technical guidance on air:
Class: NK / Share: 50 - 100 %

Water hazard classification : 2 - significantly water endangering

Storage class according to TRGS 510: 3 (Flammable liquids)

Substances of Very High Concern (SVHC) according to REACH, Article 57:
None of the ingredients are included.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Abbreviations

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
AGW - Occupational Exposure Limit (Arbeitsplatzgrenzwert)
ATE - Acute Toxicity Estimate
AwSV - Ordinance on Installations for Handling Substances Hazardous to Water
C&L - Einstufung und Kennzeichnung
CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
CMR - Carcinogen, Mutagen, or Reproductive Toxicant
CSR - Chemical Safety Report
DNEL - Derived No Effect Level
ECHA - European Chemicals Agency
GefStoffV - Hazardous Substances Ordinance (Gefahrstoffverordnung)
GHS - Globally Harmonized System
IMDG - International Maritime Dangerous Goods
International Air Transport Association
IUCLID - International Uniform Chemical Information Database
Kow - octanol-water partition coefficient
LC50 - Lethal Concentration to 50 % of a test population
LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)
LGK - Storage Class (Lagerklasse)
OEL - Occupational Exposure Lim
PBT - Persistent, Bioaccumulative and Toxic substance
PNEC - Predicted No Effect Concentration(s)
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail
SCBA - Self-Contained Breathing Apparatus
STOT - Specific Target Organ Toxicity
SVHC - Substances of Very High Concern
TRGS - Technische Regeln für Gefahrstoffe
UFI - Unique Formula Identifier
vPvB - Very Persistent and Very Bioaccumulative
WGK - Water Hazard Class (Wassergefährdungsklasse)

Phrase meaning

Flam. Liq. 3 - Flammable liquids, hazard category 3
Asp. Tox. 1 - Aspiration hazard, hazard category 1
Skin Irrit. 2 - Skin irritation, hazard category 2
Eye Irrit. 2 - Eye irritation, hazard category 2
STOT SE 3 - resp. tract irrit. - Specific Target Organ Toxicity — Single exposure, hazard category 3 - respiratory tract irritation
STOT SE 3 - narcosis - Specific Target Organ Toxicity — Single exposure, hazard category 3 - narcosis
STOT RE 2 - Specific Target Organ Toxicity — Repeated exposure, hazard category 2
Aquatic Chronic 3 - Hazardous to the aquatic environment — Chronic hazard category 3
Aquatic Chronic 2 - Hazardous to the aquatic environment — Chronic hazard category 2
Acute Tox. 4 - dermal - Acute toxicity, dermal, hazard category 4
Acute Tox. 4 - inhalation - Acute toxicity, inhalation, hazard category 4
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
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 (hearing) through prolonged or repeated exposure .
H373 May cause damage to organs through prolonged or repeated exposure .
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
EUH066 Repeated exposure may cause skin dryness or cracking.

Other

Additional information

The information is based on our current state of knowledge, but does not constitute a guarantee of product properties and does not establish a contractual legal relationship. The recipient of our products is responsible for observing existing laws and regulations. The information in this safety data sheet corresponds to the best of our knowledge at the time of printing. The information is intended to provide you with guidelines for the safe handling of the product mentioned in this safety data sheet during storage, processing, transportation and disposal. The information is not transferable to other products. If the product is mixed, blended or processed with other materials
processed or subjected to processing, the information in this safety data sheet cannot be transferred to the new material produced in this way, unless expressly stated otherwise.

Manufacturer's notes

The data of the relevant components were taken from the latest safety data sheet of the upstream supplier.