

3724411

Reviewed on: 28/06/2021

Printing date: 30/06/2021

SECTION 01: Identification of the substance/mixture and of the company undertaking

1.1 Product identifier

- *Trade name:*
RAPIFILL 1080-00
- Article number / Safety Data Sheet:
108000
- *1.2 Relevant identified uses of the substance or mixture and uses advised against*
Application of the substance / the preparation
Coating material

1.3 Details of the supplier of the safety data sheet

- *Manufacturer/Supplier:*
* Teknos AG
* Industriestrasse 7
LI-9487 Gamprin-Bendern
T +423 375 94 00
F +423 375 94 99
- *Further information obtainable from:*
Product safety department. e-mail address: li-sdb@teknos.com
- *1.4 Emergency telephone number:*
* Swiss Toxicological Information Centre, CH-8032 Zürich Emergency telephone: +41 (0)44 251 51 51 (International)

SECTION 02: Hazards identification

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



GHS02

Flam. Liq. 3 - H226 Flammable liquid and vapour.



GHS07

STOT SE 3 - H336 May cause drowsiness or dizziness.

Aquatic Chronic 3 - H412 Harmful to aquatic life with long lasting effects.

- *2.2 Label elements*
- Labelling according to Regulation (EC) No 1272/2008
- Hazard pictograms



GHS02 GHS07

- Signal word
Warning

- Hazard-determining components of labelling:
n-butyl acetate
- Hazard statements
H226 Flammable liquid and vapour.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.
EUH208 Contains methyl methacrylate, Methyl 1,2,2,6,6-pentamethyl-4-piperidyl. May produce an allergic reaction.
- Precautionary statements
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.

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P240 Ground and bond container and receiving equipment.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.

- **2.3 Other hazards**

- Results of PBT and vPvB assessment

- PBT:

Not applicable.

- vPvB:

Not applicable.


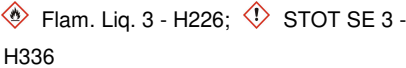

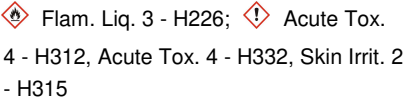








SECTION 03: Composition/information on ingredients

- **3.2 Chemical characterization: Mixtures**

- Description:

Mixture of substances listed below with nonhazardous additions.

- Dangerous components:

CAS Number		%
80-62-6	methyl methacrylate EC number: 201-297-1 Record number 01-2119452498-28  Flam. Liq. 2 - H225;  Skin Irrit. 2 - H315, Skin Sens. 1 - H317, STOT SE 3 - H335	0,00- 0,50
123-86-4	n-butyl acetate EC number: 204-658-1 Record number 01-2119485493-29  Flam. Liq. 3 - H226;  STOT SE 3 - H336	15,00- 25,00
108-65-6	2-methoxy-1-methylethyl acetate EC number: 203-603-9 Record number 01-2119475791-29 substance with a Community workplace exposure limit.  Flam. Liq. 3 - H226	5,00- 10,00
1330-20-7	xylene EC number: 215-535-7 Record number 01-2119488216-32  Flam. Liq. 3 - H226;  Acute Tox. 4 - H312, Acute Tox. 4 - H332, Skin Irrit. 2 - H315	5,00- 10,00
100-41-4	ethylbenzene EC number: 202-849-4 Record number 01-2119489370-35  Flam. Liq. 2 - H225;  STOT RE 2 - H373, Asp. Tox. 1 - H304;  Acute Tox. 4 - H332	1,00- 5,00
108-83-8	2,6-dimethylheptan-4-one EC number: 203-620-1  Flam. Liq. 3 - H226;  STOT SE 3 - H335	0,00- 0,50

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




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82919-37-7	Methyl1,2,2,6,6-pentamethyl-4-piperidyl EC number: 280-060-4 Record number 01-2119976378-19  Skin Sens. 1 - H317;  Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410	0,00- 0,50
9004-34-6	Cellulose EC number: 232-674-9 substance with a Community workplace exposure limit.	1,00- 5,00
71-36-3	butan-1-ol EC number: 200-751-6 Record number 01-2119484630-38  Eye Dam. 1 - H318;  Flam. Liq. 3 - H226;  Acute Tox. 4 - H302, Skin Irrit. 2 - H315, STOT SE 3 - H335-H336	0,00- 0,50
68308-64-5	Quaternary ammonium compounds, cocoalkylethyldimethyl, Et sulfates EC number: 269-662-8  Skin Corr. 1 - H314;  Acute Tox. 3 - H311;  Acute Tox. 4 - H302;  Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410	0,50- 1,00

SECTION 04: First aid measures

- 4.1 Description of first aid measures
- **After inhalation:**
Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for several minutes under running water.
- **After swallowing:**
Do not induce vomiting; call for medical help immediately.
- **Information for doctor:**
- 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 05: Firefighting measures

- 5.1 Extinguishing media
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:**
Water with full jet
- 5.2 Special hazards arising from the substance or mixture
Formation of toxic gases is possible during heating or in case of fire.
- 5.3 Advice for firefighters
- **Protective equipment:**
Mouth respiratory protective device.
Do not inhale explosion gases or combustion gases.
- **Additional information**
Cool endangered receptacles with water spray.
Collect contaminated fire fighting water separately. It must not enter the sewage system.

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SECTION 06: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation

- **6.2 Environmental precautions:**

Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.

- **6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

- **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 disposal information.

SECTION 07: Handling and storage

- **Handling:**

- **7.1 Precautions for safe handling**

Take note of emission threshold.
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

- **Information about fire - and explosion protection:**

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 receptacles:**

Store only in the original receptacle.

- **Information about storage in one common storage facility:**

Not required.

- **Further information about storage conditions:**

Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.

- **7.3 Specific end use(s)**

No further relevant information available.

SECTION 08: Exposure controls/personal protection

- **8.1 Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

80-62-6 methyl methacrylate

GW

Short-term value	416	mg/m3
	100	ppm
Long-term value	208	mg/m3
	50	ppm

VL

Short-term value	416	mg/m3
	100	ppm
Long-term value	208	mg/m3
	50	ppm

123-86-4 n-butyl acetate

GW

Short-term value	712	mg/m3
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VL	Long-term value	150	ppm
		238	mg/m3
		50	ppm
VL	Short-term value	712	mg/m3
		150	ppm
		238	mg/m3
108-65-6 GW	Long-term value	50	ppm
		2-methoxy-1-methylethyl acetate	
		550	mg/m3
VL	Short-term value	100	ppm
		275	mg/m3
		50	ppm
VL	Long-term value	550	mg/m3
		100	ppm
		275	mg/m3
1330-20-7 GW	Long-term value	50	ppm
		xylene	
		442	mg/m3
VL	Short-term value	100	ppm
		221	mg/m3
		50	ppm
VL	Long-term value	442	mg/m3
		100	ppm
		221	mg/m3
100-41-4 GW	Long-term value	50	ppm
		ethylbenzene	
		551	mg/m3
VL	Short-term value	125	ppm
		87	mg/m3
		20	ppm
VL	Long-term value	551	mg/m3
		125	ppm
		87	mg/m3
108-83-8 GW	Long-term value	20	ppm
		2,6-dimethylheptan-4-one	
		147	mg/m3

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VL	25	ppm
Long-term value	147	mg/m3
	25	ppm
9004-34-6 Cellulose		
GW		
Long-term value	10	mg/m3
VL		
Long-term value	10	mg/m3
71-36-3 butan-1-ol		
GW		
Long-term value	62	mg/m3
	20	ppm
D;		
VL		
Long-term value	62	mg/m3
	20	ppm
D;		

• *Additional information:*

The lists valid during the making were used as basis.

• *8.2 Exposure controls*• **Personal protective equipment:**• *General protective and hygienic measures:*

The usual precautionary measures are to be adhered to when handling chemicals.

Do not eat or drink while working.

Be sure to clean skin thoroughly after work and before breaks.

• *Respiratory protection: Suitable respiratory protective device recommended.*

• *Protection of hands: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation Impervious gloves*

• *Material of gloves*

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

• *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.

The determined penetration times according to EN 374 part III are not performed under practical conditions.

Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

• *Eye protection: Safety glasses Tightly sealed goggles*• *Body protection: Protective work clothing***SECTION 09: Physical and chemical properties****9.1 Information on basic physical and chemical properties****Appearance****Appearance:**

Form:	Liquid
Colour:	According to product specifica
Odour:	Characteristic Characteristic
Odour threshold:	Not determined.

Change in condition

Initial boiling point and boiling range: 124 °C

Flash point: 27 °C

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Flammability (solid, gas):	Not applicable.			
Ignition temperature:	315 °C			
Decomposition temperature:	Not determined.			
Auto-ignition temperature:	Not determined.			
Explosive properties:	Not determined.			
Explosion limits:				
Lower:	1 Vol %			
Upper:	7 Vol %			
Vapour pressure:	at 20 °C	10,7000 mbar	at 50 °C	55,0000 mbar
Density:	1,4300 g/cm3			
Solubility in / Miscibility with water:	Not determined.			
Viscosity:				
.	Not determined.			
.	at 23 °C	90 -	100 s	DIN 4 mm
9.2 Other information	No further relevant information available.			

SECTION 10: Stability and reactivity

- **10.1 Reactivity**
No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / 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:**
No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity**
- **LD/LC50 values relevant for classification:**

80-62-6**methyl methacrylate**

Oral, LD50: 7872 mg/kg (rat) Oral, LD50: 13100 mg/kg (rat) Dermal, LD50: >5000 mg/kg (Rabbit) Inhalative, LC50/4h: >21 mg/l (rat) Oral, LD50: 5050 mg/kg (rat) Oral, LD50: 8532 mg/kg (rat) Inhalative, LC50/4h: 35,7 mg/l (rat) Oral, LD50: 4300 mg/kg (rat) Dermal, LD50: 2000 mg/kg (Rabbit) Oral, LD50: 3500 mg/kg (rat) Dermal, LD50: 17800 mg/kg (Rabbit) Oral, LD50: 5750 mg/kg (rat) Dermal, LD50: 16000 mg/kg (Rabbit) Oral, LD50: 400 mg/kg (rat) Dermal, LD50: 2620 mg/kg (Rabbit) Oral, LD50: >20000 mg/kg (rat) Dermal, LD50: >10000 mg/kg (Rabbit) Inhalative, LC50/4h: >6,82 mg/l (rat) Oral, LD50: 10000 mg/kg (rat) Oral, LD50: 790 mg/kg (rat) Dermal, LD50: 3400 mg/kg (Rabbit) Inhalative, LC50/4h: 8000 mg/l (rat) Oral, LD50: 2460 mg/kg (rat) Dermal, LD50: 3400 mg/kg (Rabbit) Dermal, LD50: 20000 mg/kg (Rabbit) Oral, LD50: 175 mg/kg (rat)

123-86-4**n-butyl acetate****868-77-9****2-hydroxyethyl methacrylate****108-65-6****2-methoxy-1-methylethyl acetate****1330-20-7****xylene****100-41-4****ethylbenzene****108-83-8****2,6-dimethylheptan-4-one****108-31-6****maleic anhydride****13463-67-7****titanium dioxide**

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7631-86-9 silicon dioxide, chemically prepared**71-36-3** butan-1-ol**78-83-1** butanol**122-51-0** triethyl orthoformate**77-58-7** dibutyltin dilaurate

- *Primary irritant effect:*
- Skin corrosion/irritation
No irritant effect.
- Serious eye damage/irritation
No irritating effect.
- *Respiratory or skin sensitisation*
No sensitising effects known.

SECTION 12: Ecological information

- **12.1 Toxicity**
- Aquatic toxicity:
No further relevant information available.
- **12.2 Persistence and degradability**
No further relevant information available.
- **Behaviour in environmental systems:**
- **12.3 Bioaccumulative potential**
No further relevant information available.
- **12.4 Mobility in soil**
No further relevant information available.
- **Additional ecological information:**
- *General notes:*
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
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.
- **12.5 Results of PBT and vPvB assessment**
- *PBT:*
Not applicable.
- *vPvB:*
Not applicable.
- **12.6 Other adverse effects**
No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- *European and swiss waste code*
08
WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF
COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS
AND PRINTING INKS
08 01
wastes from MFSU and removal of paint and varnish
08 01 11
waste paint and varnish containing organic solvents or other hazardous
substances
- **Uncleaned packaging:**
- *Recommendation:*
Disposal must be made according to official regulations.

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PRODUCT : RAPIFILL 1080-00*(continued of page 8)***SECTION 14: Transport information**• **14.1 UN-Number****ADR** UN1263**IMDG** UN1263**IATA** UN1263• **14.2 UN proper shipping name****ADR** 1263 PAINT**IMDG** PAINT**IATA** PAINT• **14.3 Transport hazard class(es)****ADR****Class** 3 Flammable liquids.**Label****3****IMDG****Class**

3 Flammable liquids.

Label**3****IATA****Class**

3 Flammable liquids.

Label**3**• **14.4 Packing group****ADR** III**IMDG** III**IATA** III• **14.5 Environmental hazards:**

Not applicable.

• **14.6 Special precautions for user**

Warning: Flammable liquids.

Danger code (Kemler): 30**EMS Number:** F-E,S-E• **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

• **Transport/Additional information:**

Not applicable.

Excepted quantities (EQ): E1**Limited quantities (LQ)** 5L**Transport category** 3**Tunnel restriction code** D/E**Remarks:** ADR/RID 2.2.3.1.5 (<= 450 l)*(continued on page 10)*

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IMDG**Limited quantities (LQ)** 5L**Excepted quantities (EQ)** E1**Remarks:** IMDG 2.3.2.5 (<= 30 l)

- **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**
- **REGULATION (EC) No 1907/2006 ANNEX XVII**
Conditions of restriction: 3, 40
- **National regulations:**
- **Classification according to VbF:**
—
- **Technical instructions (air):**
- **Class Share in %**

III	21, 13
II	8, 17
I	
- **Waterhazard class:**
Water hazard class 2 (Self-assessment): hazardous for water.
- **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.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
- **Department issuing MSDS:**
Environment protection department.
- **Abbreviations and acronyms:**
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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according to 1907/2006/EC, Article 31

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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)
VbF: Verordnung über brennbare Flüssigkeiten, Österreich (Ordinance on the storage of combustible liquids, Austria)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

- ** Data compared to the previous version altered.*