

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : Stamping ink 8080 P
traffic blue RAL 5017

Revision date : 17.09.2020

Print date : 17.09.2020

Version (Revision) : 3.0.1 (3.0.0)

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

1.1 Product identifier

Stamping ink 8080 P
traffic blue RAL 5017 (15035150167040)
Unique Formula Identifier (UFI): 9A0A-RADU-P40U-YTG8

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

Relevant identified uses

Industrial marking ink

1.3 Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor)

Stefan Kupietz GmbH & Co. KG
Chemische Fabrik

Street : August-Wilhelm-Kühnholz-Str. 9

Postal code/city : 26135 Oldenburg

Telephone : +49(0)441/20 69 50

Telefax : +49(0)441 /20 69 520

Information contact : E-Mail: info@kupietz.de

1.4 Emergency telephone number

Poison emergency centre +49-551-19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Flam. Liq. 3 ; H226 - Flammable liquids : Category 3 ; Flammable liquid and vapour.
STOT SE 3 ; H336 - STOT-single exposure : Category 3 ; May cause drowsiness or dizziness.

2.2 Label elements

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

Hazard pictograms



Flame (GHS02) · Exclamation mark (GHS07)

Signal word

Warning

Hazard components for labelling

1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2

Hazard statements

H226 Flammable liquid and vapour.
H336 May cause drowsiness or dizziness.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P312 Call a POISON CENTER/doctor if you feel unwell.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

2.3 Other hazards

None

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

(2-METHOXYMETHYLETHOXY)PROPANOL ; REACH Registration No. : 01-2119450011-60-xxxx ; EC No. : 252-104-2; CAS No. : 34590-94-8

Weight fraction : < 60 %

Classification 1272/2008 [CLP] : Substance with a Community workplace exposure limit

1-METHOXY-2-PROPANOL ; REACH Registration No. : 01-2119457435-35-xxxx ; EC No. : 203-539-1; CAS No. : 107-98-2

Weight fraction : < 30 %

Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 STOT SE 3 ; H336

Additional information

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

SECTION 4: First aid measures

4.1 Description of first aid measures

After eye contact

Flush with plenty of water (10 - 15 min.). Call a physician.

After ingestion

Drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

5.1 Extinguishing media

None

5.2 Special hazards arising from the substance or mixture

None

5.3 Advice for firefighters

None

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

None

6.2 Environmental precautions

None

6.3 Methods and material for containment and cleaning up

For cleaning up

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Remove mechanically, take-up residues with absorbing material.

6.4 Reference to other sections

None

SECTION 7: Handling and storage

7.1 Precautions for safe handling

None

7.2 Conditions for safe storage, including any incompatibilities

Hints on joint storage

Store the foodstuffs separately.

Storage class (TRGS 510) : 3

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

(2-METHOXYMETHYLETHOXY)PROPANOL ; CAS No. : 34590-94-8

Limit value type (country of origin) : TRGS 900 (D)

Limit value : 50 ppm / 310 mg/m³

Peak limitation : 1(I)

Version : 29.03.2019

Limit value type (country of origin) : TWA (EC)

Limit value : 50 ppm / 308 mg/m³

Remark : Skin

Version : 20.06.2019

1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2

Limit value type (country of origin) : TRGS 900 (D)

Limit value : 100 ppm / 370 mg/m³

Peak limitation : 2(I)

Remark : Y

Version : 29.03.2019

Limit value type (country of origin) : STEL (EC)

Limit value : 150 ppm / 568 mg/m³

Remark : Skin

Version : 20.06.2019

Limit value type (country of origin) : TWA (EC)

Limit value : 100 ppm / 375 mg/m³

Remark : Skin

Version : 20.06.2019

Biological limit values

1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2

Limit value type (country of origin) : TRGS 903 (D)

Parameter : 1-methoxy-2-propanol / Urine (U) / End of exposure or end of shift

Limit value : 15 mg/l

Version : 29.03.2019

8.2 Exposure controls

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Appropriate engineering controls

The usual precautionary measures for the handling of chemicals have to be observed.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : Liquid
Colour : dark blue
Odour : characteristic

Safety characteristics

Physical state :		Liquid	
Freezing point :		No data available	
Initial boiling point and boiling range :	(1013 hPa) ~	132	°C
Decomposition temperature :	>	200	°C
Flash point :	~	37	°C Brookfield
Auto-ignition temperature :		No data available	
Lower explosion limit :		No data available	
Upper explosion limit :		No data available	
Vapour pressure :	(50 °C) <	1100	hPa
Density :	(20 °C) ~	1,008	g/cm ³
Solvent separation test :	(20 °C) <	3	%
pH :	~	7	
log P O/W :		No data available	
Flow time :	(20 °C) ~	17	s DIN-cup 4 mm
Odour threshold :		No data available	
Relative vapour density :	(20 °C)	No data available	
Vapourisation rate :		No data available	
Oxidising liquids :	No data available.		
Explosive properties :	No data available.		

9.2 Other information

The physical specifications are approximate values and refer to the used safety relevant component(s).

SECTION 10: Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

No information available.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

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No information available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity

Parameter : LD50 (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)
Exposure route : Oral
Species : Rat
Effective dose : 5660 mg/kg

Acute dermal toxicity

Parameter : LD50 (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)
Exposure route : Dermal
Species : Rabbit
Effective dose : 9999,99 mg/kg

Acute inhalation toxicity

Parameter : LC50 (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)
Exposure route : Inhalation
Species : Rat
Effective dose : 27,596 mg/l
Exposure time : 6 h

Corrosion

Skin corrosion/irritation

Parameter : Skin corrosion/irritation (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)
Species : Rabbit
Result : Not an irritant

Serious eye damage/eye irritation

Parameter : Serious eye damage/eye irritation (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)
Species : Rabbit
Result : Very minor single cell staining (0,5)

Respiratory or skin sensitisation

Skin sensitisation

Parameter : Skin sensitisation (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)
Species : Guinea pig
Result : Not sensitising.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

Parameter : Carcinogenicity (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)
Exposure route : Carcinogenicity
Result : Negative.

Germ cell mutagenicity

In vitro mutagenicity

Parameter : In vitro mutagenicity (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)
Exposure route : In vitro mutagenicity
Result : Negative.

Genotoxicity

Parameter : Genotoxicity (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)
Exposure route : Genotoxicity
Result : Negative.

Reproductive toxicity

Adverse effects on developmental toxicity

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Parameter : One generation reproduction toxicity test (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)

Exposure route : One generation reproduction toxicity test

Result : Negative.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

Parameter : LC50 (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)

Species : Leuciscus idus (golden orfe)

Effective dose : 6812 mg/l

Exposure time : 96 h

Evaluation : Harmless to fish up to the concentration tested.

Parameter : LC50 (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)

Species : Pimephales promelas (fathead minnow)

Effective dose : 20800 mg/l

Exposure time : 96 h

Evaluation : Harmless to fish up to the concentration tested.

Parameter : LC50 (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)

Species : Oncorhynchus mykiss (Rainbow trout)

Effective dose : => 1000 mg/l

Exposure time : 96 h

Evaluation : Harmless to fish up to the concentration tested.

Acute (short-term) toxicity to crustacea

Parameter : EC50 (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)

Species : Daphnia magna (Big water flea)

Effective dose : 23300 mg/l

Exposure time : 48 h

Evaluation : Harmless to daphnia up to the tested concentration.

Acute (short-term) toxicity to aquatic algae and cyanobacteria

Parameter : ErC50 (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)

Species : Pseudokirchneriella subcapitata

Effective dose : > 1000 mg/l

Exposure time : 7 day(s)

Evaluation : Harmless to algae up to the concentration tested.

Toxicity to microorganisms

Parameter : EC50 (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)

Species : Bacteria toxicity

Effective dose : 1000 mg/l

Exposure time : 3 h

Evaluation : Bacteria toxicity

12.2 Persistence and degradability

In case of appropriate conduction into adapted biological purification plants no disturbances have to be expected.

Biodegradation

Parameter : Biodegradation (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)

Inoculum : Degree of elimination

Degradation rate : 96 %

Evaluation : Readily biodegradable (according to OECD criteria).

Method : OECD 301E

12.3 Bioaccumulative potential

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Parameter : Bioconcentration factor (BCF) (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)
Bioconcentration factor (BCF)

Value : < 100

No indication of bioaccumulation potential.

12.4 Mobility in soil

Very high mobility in soil with a negligible tendency to leave the sediment.

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

No information available.

SECTION 14: Transport information

14.1 UN number

UN 1263

14.2 UN proper shipping name

Land transport (ADR/RID)
PAINT RELATED MATERIAL

Sea transport (IMDG)
PAINT RELATED MATERIAL

Air transport (ICAO-TI / IATA-DGR)
PAINT RELATED MATERIAL

14.3 Transport hazard class(es)

Land transport (ADR/RID)

Class(es) : 3
Classification code : F1
Hazard identification number (Kemler No.) : 30
Tunnel restriction code : D/E
Special provisions : LQ 5 I · E 1
Hazard label(s) : 3

Sea transport (IMDG)

Class(es) : 3
EmS-No. : F-E / S-E
Special provisions : LQ 5 I · E 1
Hazard label(s) : 3

Air transport (ICAO-TI / IATA-DGR)

Class(es) : 3
Special provisions : E 1
Hazard label(s) : 3

14.4 Packing group

III

14.5 Environmental hazards

Land transport (ADR/RID) : No

Sea transport (IMDG) : No

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Air transport (ICAO-TI / IATA-DGR) : No

14.6 Special precautions for user

None

SECTION 15: Regulatory information

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

EU legislation

Authorisations and/or restrictions on use

Restrictions on use

Use restriction according to REACH annex XVII, no. : 3, 40

National regulations

Water hazard class (WGK)

Classification according to AwSV - Class : 1 (Slightly hazardous to water)

15.2 Chemical safety assessment

No information available.

SECTION 16: Other information

16.1 Indication of changes

03. Hazardous ingredients · 08. Occupational exposure limit values · 14. Transport hazard class(es) - Land transport (ADR/RID) · 15. Restrictions on use · 15. Water hazard class (WGK)

16.2 Abbreviations and acronyms

None

16.3 Key literature references and sources for data

None

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

See SECTION 2.1 (classification).

16.5 Relevant H- and EUH-phrases (Number and full text)

H226 Flammable liquid and vapour.
H336 May cause drowsiness or dizziness.

16.6 Training advice

None

16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.