

Safety Data Sheet

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



Trade name : Marking ink 777
red
Revision date : 15.02.2018
Print date : 15.02.2018

Version (Revision) : 18.0.0 (17.0.0)

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

1.1 Product identifier

Marking ink 777
red (15050300002038)

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]

Aquatic Chronic 3 ; H412 - Hazardous to the aquatic environment : Chronic 3 ; Harmful to aquatic life with long lasting effects.

Eye Irrit. 2 ; H319 - Serious eye damage/eye irritation : Category 2 ; Causes serious eye irritation.

Flam. Liq. 3 ; H226 - Flammable liquids : Category 3 ; Flammable liquid and vapour.

2.2 Label elements

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

Hazard pictograms



Flame (GHS02) · Exclamation mark (GHS07)

Signal word

Warning

Hazard statements

H226 Flammable liquid and vapour.
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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Trade name : Marking ink 777
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P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P337+P313 If eye irritation persists: Get medical advice/attention.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403+P235 Store in a well-ventilated place. Keep cool.

2.3 Other hazards

None

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

ETHANOL ; EC No. : 200-578-6; CAS No. : 64-17-5

Weight fraction : $\geq 15 - < 20$ %

Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Eye Irrit. 2 ; H319

Xanthene dye; CI.45160; similar C.I. Basic Red 1 ; EC No. : 247-906-4; CAS No. : 26694-69-9

Weight fraction : $< 2,5$ %

Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

Additional information

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

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Immediately remove all contaminated clothing.

Following inhalation

Provide fresh air.

In case of skin contact

Wash away with soap and water and rinse.

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

Suitable extinguishing media

alcohol resistant foam , Carbon dioxide (CO₂) , Extinguishing powder or Water spray jet .

5.2 Special hazards arising from the substance or mixture

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5.3 Advice for firefighters

None

5.4 Additional information

Cool endangered containers with water in case of fire.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Keep away from ignition sources on account of the organic solvent content and air room well. Do not inhale vapours.

6.2 Environmental precautions

Take up with a liquid absorbing material and proceed according to the waste disposal regulations. Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up

For cleaning up

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

Normal precautions taken when handling chemicals should be observed. Only use in locations with adequate suction ventilation.

Protective measures

Measures to prevent fire

Take precautionary measures against static discharges. Keep away from sources of ignition. - No smoking.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Do not leave vessels open, earth storage containers.

Hints on joint storage

Store the foodstuffs separately. Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.

Storage class : 3

Storage class (TRGS 510) : 3

Further information on storage conditions

Store containers tightly closed in a cool well ventilated place.

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

2-(2-ETHOXYETHOXY)ETHANOL ; CAS No. : 111-90-0

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

Limit value : 6 ppm / 35 mg/m³

Peak limitation : 2(I)

Remark : Y

Safety Data Sheet

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Version : 04.11.2017
ETHANOL ; CAS No. : 64-17-5
Limit value type (country of origin) : TRGS 900 (D)
Limit value : 500 ppm / 960 mg/m³
Peak limitation : 2(II)
Remark : Y
Version : 04.11.2017

8.2 Exposure controls

Personal protection equipment

Eye/face protection

Use tightly fitting safety glasses.

Skin protection

Hand protection

Use protective butyl rubber gloves (0,5 mm). Permeation time of glove material: level >= 240 min (4h) EN374

Respiratory protection

Suitable respiratory protection apparatus

Respiratory protection necessary at: aerosol or mist formation. Half-face mask (DIN EN 140) Filtering device (full mask or mouthpiece) with filter: A

General health and safety measures

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

Colour : red

Odour : characteristic

Safety relevant basis data

Physical state :			liquid	
Initial boiling point and boiling range :	(1013 hPa)	approx.	97 °C	
Flash point :		approx.	38 °C	Brookfield
Vapour pressure :	(50 °C)	<	1100 hPa	
Density :	(20 °C)	approx.	1,099 g/cm ³	
Solvent separation test :	(20 °C)	<	3 %	
pH :		approx.	2,6	
Flow time :	(20 °C)	approx.	13 s	DIN-cup 4 mm

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

Safety Data Sheet

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Version (Revision) : 18.0.0 (17.0.0)

None, if handled according to order.

10.5 Incompatible materials

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions. In connection with inorganic and organic acids, acid chlorides violent reactions can take place and CO₂ released. Formation of hydrogen by acids, lyes, moisture possible.

10.6 Hazardous decomposition products

No information available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute effects

Acute oral toxicity

Parameter : LD50 (Xanthene dye; CI.45160; similar C.I. Basic Red 1 ; CAS No. : 26694-69-9)
Exposure route : Oral
Species : Rat
Effective dose : 500 mg/kg
Method : OECD 423

Acute dermal toxicity

Parameter : LD50 (ETHANOL ; CAS No. : 64-17-5)
Exposure route : Dermal
Species : Rabbit
Effective dose : 20 g/kg

Acute inhalation toxicity

Practical experience/human evidence

Slight narcotic effect. Prolonged inhalation of vapours in high concentrations may lead to headache, giddiness and nausea.

Irritant and corrosive effects

Primary irritation to the skin

Parameter : Primary irritation to the skin (Xanthene dye; CI.45160; similar C.I. Basic Red 1 ; CAS No. : 26694-69-9)
Species : Guinea pig
Method : OECD 404

Irritation to eyes

Parameter : Irritation to eyes (Xanthene dye; CI.45160; similar C.I. Basic Red 1 ; CAS No. : 26694-69-9)
Species : Rabbit

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Acute (short-term) daphnia toxicity

Parameter : EC50 (Xanthene dye; CI.45160; similar C.I. Basic Red 1 ; CAS No. : 26694-69-9)
Species : Daphnia magna (Big water flea)
Evaluation parameter : Chronic (long-term) daphnia toxicity
Effective dose : 1,8 mg/l
Exposure time : 48 h
Method : OECD 202

Acute (short-term) algae toxicity

Parameter : EC50 (Xanthene dye; CI.45160; similar C.I. Basic Red 1 ; CAS No. : 26694-69-9)

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Species : Pseudokirchneriella subcapitata
Evaluation parameter : Acute (short-term) algae toxicity
Effective dose : 1,4 mg/l
Exposure time : 72 h
Method : OECD 201

12.2 Persistence and degradability

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

Biodegradation

Parameter : Biodegradation (Xanthene dye; CI.45160; similar C.I. Basic Red 1 ; CAS No. : 26694-69-9)
Inoculum : Degree of elimination
Evaluation parameter : Biodegradation
Effective dose : 27 %
Exposure time : 28 t/a
Method : OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

No information available.

12.7 Additional ecotoxicological information

Do not empty into waters or drains.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Dispose according to legislation.

Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

- 080111

Waste treatment options

Appropriate disposal / Package

Contaminated packaging should be residue-free emptying. They can then be recycled after appropriate cleaning (Waste code 080112 contains no organic solvents). Contaminated packaging should be disposed of like the product. (Waste code 150110)

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)

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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
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

National regulations

Water hazard class (WGK)

Class : 2 (Hazardous to water) Classification according to VwVwS

15.2 Chemical safety assessment

No information available.

SECTION 16: Other information

16.1 Indication of changes

03. Hazardous ingredients · 14. Transport hazard class(es) - Land transport (ADR/RID)

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]

No information available.

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

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

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.
