

Safety Data Sheet

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



Trade name : Easyline Edge Farbkartusche 1858
Revision date : 30.08.2017
Print date : 30.08.2017

Version (Revision) : 4.0.0 (3.0.0)

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

1.1 Product identifier

Easyline Edge Farbkartusche 1858

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

Relevant identified uses

Coating compound / Surface coating / paint.

1.3 Details of the supplier of the safety data sheet

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

Brillux GmbH & Co KG
www.brillux.de

Street : Weseler Straße 401

Postal code/city : D - 48163 Münster

Telephone : +49 (0)251-7188-0

Telefax : +49 (0)251-7188-280

Information contact :

Electronic mail address of the well-informed person for safety data sheets:sdb@brillux.de

1.4 Emergency telephone number

Outside the business hours (9 a.m. to 5 p.m.):
(Giftnotruf Berlin, consultation in german or english language)
Telephone: +49 (0)30 30686 790.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Aerosol 1 ; H222 - Aerosols : Category 1 ; Extremely flammable aerosol.

Aerosol 1 ; H229 - Aerosols : Category 1 ; Pressurised container: May burst if heated.

2.2 Label elements

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

Hazard pictograms



Flame (GHS02)

Signal word

Danger

Hazard statements

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

Precautionary statements

P261 Avoid breathing spray.

P102 Keep out of reach of children.

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

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

Safety Data Sheet

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



Trade name : Easyline Edge Farbkartusche 1858
Revision date : 30.08.2017
Print date : 30.08.2017

Version (Revision) : 4.0.0 (3.0.0)

P271 Use only outdoors or in a well-ventilated area.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501 Dispose of contents/container to approved disposal company or local collection.

2.3 Other hazards

Out of the reach of children.

Adverse physicochemical effects

Caution! Container is under pressure.

Adverse human health effects and symptoms

At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description

Mixture based on components, which are called following, and other components.

Hazardous ingredients

DIMETHYL ETHER ; REACH registration No. : 01-2119472128-37 ; EC No. : 204-065-8; CAS No. : 115-10-6

Weight fraction : $\geq 10 - < 25$ %

Classification 1272/2008 [CLP] : Flam. Gas 1 ; H220 Press. Gas (Liq.) ; H280

ACETONE ; REACH registration No. : 01-2119471330-49 ; EC No. : 200-662-2; CAS No. : 67-64-1

Weight fraction : $\geq 5 - < 10$ %

Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Eye Irrit. 2 ; H319 STOT SE 3 ; H336

XYLENE ; REACH registration No. : 01-21194861136-34 ; EC No. : 215-535-7; CAS No. : 1330-20-7

Weight fraction : $\geq 5 - < 10$ %

Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Acute Tox. 4 ; H312 Acute Tox. 4 ; H332 Skin Irrit. 2 ; H315

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

Weight fraction : $\geq 0,5 - < 5$ %

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

ETHYLBENZENE ; REACH registration No. : 01-2119489370-35 ; EC No. : 202-849-4; CAS No. : 100-41-4

Weight fraction : $\geq 0,5 - < 5$ %

Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Asp. Tox. 1 ; H304 STOT RE 2 ; H373 Acute Tox. 4 ; H332

HYDROCARBONS, C10-C13, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS ; REACH registration No. : 01-2119457273-39 ; EC No. : 918-481-9

Weight fraction : $\geq 0,2 - < 0,5$ %

Classification 1272/2008 [CLP] : Asp. Tox. 1 ; H304

TOLUENE ; EC No. : 203-625-9; CAS No. : 108-88-3

Weight fraction : $\geq 0 - < 0,2$ %

Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Asp. Tox. 1 ; H304 Repr. 2 ; H361d STOT RE 2 ; H373 Skin Irrit. 2 ; H315 STOT SE 3 ; H336

STYRENE ; EC No. : 202-851-5; CAS No. : 100-42-5

Weight fraction : $\geq 0 - < 0,2$ %

Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 STOT RE 1 ; H372 Repr. 2 ; H361 Acute Tox. 4 ; H332 Skin Irrit. 2 ; H315 Eye Irrit. 2 ; H319

Additional information

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

SECTION 4: First aid measures

4.1 Description of first aid measures

Trade name : Easyline Edge Farbkartusche 1858
Revision date : 30.08.2017
Print date : 30.08.2017

Version (Revision) : 4.0.0 (3.0.0)

General information

If medical advice is needed, have product container or label at hand.

Following inhalation

Remove concerned person out of danger area. Fresh air supply, go to doctor at complaints.

In case of skin contact

Wash away with soap and water and rinse. Take off immediately all contaminated clothes.

After eye contact

Remove contact lenses, keep eyelids open. Rinse open eye immediately with plenty of running water. Seek medical advice if complaint continues.

After ingestion

Rinse mouth with plenty of water. When swallowed immediately consult and show packing or label to physician.

4.2 Most important symptoms and effects, both acute and delayed

Potential symptoms: Headache, dizziness, giddiness, skin irritation, eye irritation and irritation to respiratory tract are possible.

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

In case of fire: Use alcohol resistant foam, CO₂, powders or water spray for extinction. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable extinguishing media

In case of fire: Do not use waterjet for extinction.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

5.3 Advice for firefighters

Special protective equipment for firefighters

When extinguishing fires, use breathing apparatus with an independent source of air. Personnel should wear protective clothings.

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 no protective persons away, personal should wear protective clothings.

6.2 Environmental precautions

Do not empty into drains. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up

For cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Ensure adequate ventilation. Do not remove residue by rinsing thoroughly with water or a detergent, based on water.

6.4 Reference to other sections

None

Trade name : Easyline Edge Farbkartusche 1858
Revision date : 30.08.2017
Print date : 30.08.2017

Version (Revision) : 4.0.0 (3.0.0)

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

Keep away from heat and direct sunlight. Ensure a good ventilation in room and working area. Avoid vapour concentrations higher than the OEL (=Occupational Exposure Limit) or other thresholds. Avoid contact with the product. Do not breathe the vapour. Use only outdoors or in a well-ventilated area. Read label before use.

Measures to prevent fire

Keep ignition sources away - Do not smoke. Container is under pressure. Protect against sunshine and heating over 50 °C. After use: do not open violently or burn. Do not spray into flames or on glowing materials. Ground/bond container and receiving equipment. Use explosion-proof pipes, electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly in a dry, cool and good ventilated place. Keep ignition sources away - Do not smoke. Observe official regulations on storing packagings with pressurized containers. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.

Hints on joint storage

The product should not store together with strong acids and oxidants.

Storage class (TRGS 510) : 2B

Further information on storage conditions

Keep away from heat and direct sun. Keep only in the original container or in containers recommended by the manufacturer.

7.3 Specific end use(s)

Paint for marking factory floors, stores and warehouses, car parks, playgrounds and other hard flat surfaces.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

DIMETHYL ETHER ; CAS No. : 115-10-6

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

Limit value : 1000 ppm / 1900 mg/m³

Peak limitation : 8(II)

Version : 06.11.2015

ACETONE ; CAS No. : 67-64-1

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

Limit value : 500 ppm / 1200 mg/m³

Peak limitation : 2(I)

Remark : Y

Version : 06.11.2015

XYLENE ; CAS No. : 1330-20-7

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

Limit value : 100 ppm / 440 mg/m³

Peak limitation : 2(II)

Remark : H

Version : 02.07.2009

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 : 06.11.2015

Safety Data Sheet

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



Trade name : Easyline Edge Farbkartusche 1858
Revision date : 30.08.2017
Print date : 30.08.2017

Version (Revision) : 4.0.0 (3.0.0)

ETHYLBENZENE ; CAS No. : 100-41-4

Limit value type (country of origin) : TRGS 900 (D)
Limit value : 20 ppm / 88 mg/m³
Peak limitation : 2(II)
Remark : H, Y, DFG
Version : 02.07.2009

TOLUENE ; CAS No. : 108-88-3

Limit value type (country of origin) : TRGS 900 (D)
Limit value : 50 ppm / 190 mg/m³
Peak limitation : 4(II)
Remark : H, Y
Version : 06.11.2015

STYRENE ; CAS No. : 100-42-5

Limit value type (country of origin) : TRGS 900 (D)
Limit value : 20 ppm / 86 mg/m³
Peak limitation : 2(II)
Remark : Y
Version : 02.07.2009

Biological limit values

ACETONE ; CAS No. : 67-64-1

Limit value type (country of origin) : TRGS 903 (D)
Parameter : Acetone / Urine (U) / End of exposure or end of shift
Limit value : 80 mg/l
Version : 31.03.2004

XYLENE ; CAS No. : 1330-20-7

Limit value type (country of origin) : TRGS 903 (D)
Parameter : Xylene / Whole blood (B) / End of exposure or end of shift
Limit value : 1,5 mg/l
Remark : DFG
Version : 01.05.2013

Limit value type (country of origin) : TRGS 903 (D)
Parameter : Methylhippuric acid / Urine (U) / End of exposure or end of shift
Limit value : 2 g/l
Remark : DFG
Version : 01.05.2013

ETHYLBENZENE ; CAS No. : 100-41-4

Limit value type (country of origin) : TRGS 903 (D)
Parameter : Ethylbenzene / Whole blood (B) / End of exposure or end of shift
Limit value : 1 mg/l
Version : 31.03.2004
Limit value type (country of origin) : TRGS 903 (D)
Parameter : Mandelic acid + Phenylglyoxyl acid / Urine (U) / End of exposure or end of shift
Limit value : 800 mg/g Kr
Version : 31.03.2004

TOLUENE ; CAS No. : 108-88-3

Limit value type (country of origin) : TRGS 903 (D)
Parameter : Toluene / Whole blood (B) / End of exposure or end of shift
Limit value : 1 mg/l
Version : 31.03.2004

Limit value type (country of origin) : TRGS 903 (D)
Parameter : o-Cresol / Urine (U) / End of exposure or end of shift ; At long term exposure: after several previous shifts
Limit value : 3 mg/l
Version : 31.03.2004

STYRENE ; CAS No. : 100-42-5

Safety Data Sheet

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



Trade name : Easyline Edge Farbkartusche 1858
Revision date : 30.08.2017
Print date : 30.08.2017

Version (Revision) : 4.0.0 (3.0.0)

Limit value type (country of origin) : TRGS 903 (D)
Parameter : hydroxyphenylacetic acid / Urine (U) / End of exposure or end of shift
Limit value : 600 mg/g Kr
Version : 31.03.2004

DNEL/DMEL and PNEC values

DNEL/DMEL

Limit value type :	DNEL/DMEL (Consumer) (DIMETHYL ETHER ; CAS No. : 115-10-6)
Exposure route :	Inhalation
Exposure frequency :	Long-term
Limit value :	497 mg/m ³
Limit value type :	DNEL/DMEL (Professional) (DIMETHYL ETHER ; CAS No. : 115-10-6)
Exposure route :	Inhalation
Exposure frequency :	Long-term
Limit value :	1894 mg/m ³
Limit value type :	DNEL/DMEL (Consumer) (ACETONE ; CAS No. : 67-64-1)
Exposure route :	Oral
Exposure frequency :	Long-term
Limit value :	62 mg/kg
Limit value type :	DNEL/DMEL (Consumer) (ACETONE ; CAS No. : 67-64-1)
Exposure route :	Dermal
Exposure frequency :	Long-term
Limit value :	62 mg/kg
Limit value type :	DNEL/DMEL (Consumer) (ACETONE ; CAS No. : 67-64-1)
Exposure route :	Inhalation
Exposure frequency :	Long-term
Limit value :	200 mg/m ³
Limit value type :	DNEL/DMEL (Industrial) (ACETONE ; CAS No. : 67-64-1)
Exposure route :	Dermal
Exposure frequency :	Long-term
Limit value :	186 mg/kg
Limit value type :	DNEL/DMEL (Industrial) (ACETONE ; CAS No. : 67-64-1)
Exposure route :	Inhalation
Exposure frequency :	Short-term (acute)
Limit value :	2420 mg/m ³
Limit value type :	DNEL/DMEL (Industrial) (ACETONE ; CAS No. : 67-64-1)
Exposure route :	Inhalation
Exposure frequency :	Long-term
Limit value :	1210 mg/m ³
Limit value type :	DNEL/DMEL (Industrial) (XYLENE ; CAS No. : 1330-20-7)
Exposure route :	Inhalation
Exposure frequency :	Short-term (acute)
Limit value :	289 mg/kg
Limit value type :	DNEL/DMEL (Industrial) (XYLENE ; CAS No. : 1330-20-7)
Exposure route :	Inhalation
Exposure frequency :	Long-term (repeated)
Limit value :	289 mg/kg
Limit value type :	DNEL/DMEL (Industrial) (XYLENE ; CAS No. : 1330-20-7)
Exposure route :	Dermal
Exposure frequency :	Long-term (repeated)
Limit value :	180 mg/kg
Limit value type :	DNEL/DMEL (Industrial) (XYLENE ; CAS No. : 1330-20-7)
Exposure route :	Inhalation
Exposure frequency :	Long-term (repeated)
Limit value :	77 mg/kg
Limit value type :	DNEL/DMEL (Industrial) (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)
Exposure route :	Dermal

Safety Data Sheet

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



Trade name : Easyline Edge Farbkartusche 1858
Revision date : 30.08.2017
Print date : 30.08.2017

Version (Revision) : 4.0.0 (3.0.0)

Exposure frequency :	Long-term (repeated)
Limit value :	50,6 mg/kg
Limit value type :	DNEL/DMEL (Industrial) (ETHYLBENZENE ; CAS No. : 100-41-4)
Exposure route :	Inhalation
Exposure frequency :	Short-term (acute)
Limit value :	289 mg/m ³
Limit value type :	DNEL/DMEL (Industrial) (ETHYLBENZENE ; CAS No. : 100-41-4)
Exposure route :	Inhalation
Exposure frequency :	Long-term (repeated)
Limit value :	77 mg/m ³
Limit value type :	DNEL/DMEL (Industrial) (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)
Exposure route :	Inhalation
Exposure frequency :	Long-term (repeated)
Limit value :	369 mg/m ³
Limit value type :	DNEL/DMEL (Industrial) (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)
Exposure route :	Inhalation
Exposure frequency :	Short-term (acute)
Limit value :	553,5 mg/m ³
Limit value type :	DNEL/DMEL (Industrial) (ETHYLBENZENE ; CAS No. : 100-41-4)
Exposure route :	Dermal
Exposure frequency :	Long-term (repeated)
Limit value :	180 mg/kg

PNEC

Limit value type :	PNEC aquatic, freshwater (DIMETHYL ETHER ; CAS No. : 115-10-6)
Exposure route :	Water (Including sewage plant)
Limit value :	0,155 mg/l
Limit value type :	PNEC sediment, freshwater (DIMETHYL ETHER ; CAS No. : 115-10-6)
Exposure route :	Soil
Limit value :	0,681 mg/kg
Safety factor :	1 Days
Limit value type :	PNEC sediment, marine water (DIMETHYL ETHER ; CAS No. : 115-10-6)
Exposure route :	Soil
Limit value :	0,069 mg/kg
Safety factor :	1 Days
Limit value type :	PNEC soil (DIMETHYL ETHER ; CAS No. : 115-10-6)
Exposure route :	Soil
Limit value :	0,045 mg/kg
Safety factor :	1 Days
Limit value type :	PNEC sewage treatment plant (STP) (DIMETHYL ETHER ; CAS No. : 115-10-6)
Exposure route :	Water (Including sewage plant)
Limit value :	160 mg/l
Limit value type :	PNEC aquatic, freshwater (ACETONE ; CAS No. : 67-64-1)
Exposure route :	Water (Including sewage plant)
Limit value :	10,6 mg/l
Limit value type :	PNEC aquatic, intermittent release (ACETONE ; CAS No. : 67-64-1)
Exposure route :	Water (Including sewage plant)
Limit value :	21 mg/l
Limit value type :	PNEC aquatic, marine water (ACETONE ; CAS No. : 67-64-1)
Exposure route :	Water (Including sewage plant)
Limit value :	1,06 mg/l
Limit value type :	PNEC sediment, freshwater (ACETONE ; CAS No. : 67-64-1)
Exposure route :	Soil
Limit value :	30,4 mg/kg
Limit value type :	PNEC sediment, marine water (ACETONE ; CAS No. : 67-64-1)
Exposure route :	Soil
Limit value :	3,04 mg/kg

Safety Data Sheet

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



Trade name : Easyline Edge Farbkartusche 1858
Revision date : 30.08.2017
Print date : 30.08.2017

Version (Revision) : 4.0.0 (3.0.0)

Limit value type :	PNEC soil (ACETONE ; CAS No. : 67-64-1)
Exposure route :	Soil
Limit value :	0,112 mg/kg
Limit value type :	PNEC sewage treatment plant (STP) (ACETONE ; CAS No. : 67-64-1)
Exposure route :	Water (Including sewage plant)
Limit value :	29,5 mg/l
Limit value type :	PNEC (Industrial) (XYLENE ; CAS No. : 1330-20-7)
Exposure route :	Water (Including sewage plant)
Limit value :	0,327 mg/l
Limit value type :	PNEC (Industrial) (XYLENE ; CAS No. : 1330-20-7)
Exposure route :	Soil
Limit value :	2,31 mg/kg
Limit value type :	PNEC (Industrial) (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)
Exposure route :	Water (Including sewage plant)
Exposure time :	Long-term (continuous)
Limit value :	10 mg/l
Limit value type :	PNEC (Industrial) (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)
Exposure route :	Water (Including sewage plant)
Exposure time :	Short-term (single)
Limit value :	100 mg/l
Limit value type :	PNEC (Industrial) (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)
Exposure route :	Soil
Limit value :	2,47 mg/kg

8.2 Exposure controls

Appropriate engineering controls

Observe data available of section 7. Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

Personal protection equipment

Eye/face protection

Use tightly fitting safety glasses. Having eye rinsing bottle at work ready.

Skin protection

Hand protection

The glove material has to be impermeable and resistant to the product / the substance / the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. Use protective gloves based on nitrile-rubber. Following notes of the gloves-manufacturer. After each contamination the gloves have to be changed. Penetration time of glove material: The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Body protection

Using protective clothing.

Respiratory protection

In case of insufficient ventilation or longer exposure, wear suitable respiratory equipment. Use suitable respiratory protective device in case of insufficient ventilation. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Half mask with combination filter, class A1P2 minimum, or breathing mask with outer air supply.

General health and safety measures

Keep away from food, drink and animal feeding stuff. Wash hands before breaks and after work. Take off immediately and wash all contaminated clothes. Do not inhale gases / fumes / aerosols. Avoid contact with eyes and skin. Wear protective gloves/protective clothing/eye protection/face protection.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Safety Data Sheet

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



Trade name : Easyline Edge Farbkartusche 1858
Revision date : 30.08.2017
Print date : 30.08.2017

Version (Revision) : 4.0.0 (3.0.0)

Appearance

Aerosol.

Colour : conformable to product designation.

Odour

characteristic

Safety relevant basis data

Initial boiling point and boiling range : (1013 hPa) not applicable

Flash point : -30 °C

Ignition temperature : not determined

Lower explosion limit : not determined

Upper explosion limit : not determined

Density : (20 °C) not determined

Water solubility : (20 °C) consolute

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangers connected by a possible reactivity of the product are known to proper handling and storage.

10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

10.3 Possibility of hazardous reactions

Vapours can form explosive mixtures with air.

10.4 Conditions to avoid

To avoid formation of ignitable vapour and air mixtures ensure good ventilation (inter alia extraction system). Keep away from frost, heat and direct sunlight.

Cleaning cloths saturated with solvent can ignite themselves. Therefore ensure safe disposal of waste.

10.5 Incompatible materials

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions. No dangerous reaction known.

10.6 Hazardous decomposition products

Dangerous products of decomposition in traces are possible. When exposed to high temperatures or in case of fire hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen, may produced.

10.7 Additional information

Conditions to avoid: Heating, open flame, ignition sources.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute effects

Acute toxicity:

- Acute oral toxicity: No data available;
- Acute dermal toxicity: No data available;
- Acute inhalation toxicity: No data available.

Acute oral toxicity

Parameter :	LD50 (ACETONE ; CAS No. : 67-64-1)
Exposure route :	Oral
Species :	Rat
Effective dose :	9750 mg/kg

Safety Data Sheet

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



Trade name : Easyline Edge Farbkartusche 1858
Revision date : 30.08.2017
Print date : 30.08.2017

Version (Revision) : 4.0.0 (3.0.0)

Parameter : LD50 (XYLENE ; CAS No. : 1330-20-7)
Exposure route : Oral
Species : Rat
Effective dose : 8700 mg/kg
Parameter : LD50 (ETHYLBENZENE ; CAS No. : 100-41-4)
Exposure route : Oral
Species : Rat
Effective dose : 3500 mg/kg
Parameter : LD50 (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)
Exposure route : Oral
Species : Rat
Effective dose : 5660 mg/kg
Parameter : LD50 (HYDROCARBONS, C10-C13, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS)
Exposure route : Oral
Species : Rat
Effective dose : > 5000 mg/kg
Parameter : LD50 (TOLUENE ; CAS No. : 108-88-3)
Exposure route : Oral
Species : Rat
Effective dose : 5000 mg/kg
Parameter : LD50 (STYRENE ; CAS No. : 100-42-5)
Exposure route : Oral
Species : Rat
Effective dose : 5000 mg/kg
Parameter : LD50 (STYRENE ; CAS No. : 100-42-5)
Exposure route : Oral
Species : Mouse
Effective dose : 316 mg/kg

Acute dermal toxicity

Parameter : LD50 (ACETONE ; CAS No. : 67-64-1)
Exposure route : Dermal
Species : Rabbit
Effective dose : 20 g/kg
Parameter : LD50 (XYLENE ; CAS No. : 1330-20-7)
Exposure route : Dermal
Species : Rabbit
Effective dose : 2000 mg/kg
Parameter : LD50 (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)
Exposure route : Dermal
Species : Rabbit
Effective dose : 9999,99 mg/kg
Parameter : LD50 (ETHYLBENZENE ; CAS No. : 100-41-4)
Exposure route : Dermal
Species : Rabbit
Effective dose : 5000 mg/kg
Parameter : LD50 (HYDROCARBONS, C10-C13, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS)
Exposure route : Dermal
Species : Rabbit
Effective dose : > 5000 mg/kg
Parameter : LD50 (TOLUENE ; CAS No. : 108-88-3)
Exposure route : Dermal
Species : Rabbit
Effective dose : 14 g/kg

Acute inhalation toxicity

Safety Data Sheet

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



Trade name : Easyline Edge Farbkartusche 1858
Revision date : 30.08.2017
Print date : 30.08.2017

Version (Revision) : 4.0.0 (3.0.0)

Parameter :	LC50 (DIMETHYL ETHER ; CAS No. : 115-10-6)
Exposure route :	Inhalation
Species :	Rat
Effective dose :	308 mg/l
Parameter :	LC50 (XYLENE ; CAS No. : 1330-20-7)
Exposure route :	Inhalation
Species :	Rat
Effective dose :	6350 mg/l
Parameter :	LC50 (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)
Exposure route :	Inhalation
Species :	Rat
Effective dose :	7360 ppm
Exposure time :	6 h
Parameter :	LC50 (HYDROCARBONS, C10-C13, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS)
Exposure route :	Inhalation
Species :	Rat
Effective dose :	> 4,951 mg/l
Exposure time :	4 h
Parameter :	LC50 (TOLUENE ; CAS No. : 108-88-3)
Exposure route :	Inhalation
Species :	Mouse
Effective dose :	5300 ppm

Irritant and corrosive effects

Irritation:

- Skin contact: Repeated exposure may cause skin dryness or cracking.
- Eye contact: Causes serious eye irritation.

Sensitisation

Sensitization: The product does not cause any skin and respiratory tract sensitization.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

The product is not classified as human germ cell mutagenic, carcinogenic or human reproductive toxic (CMR effects).

STOT-single exposure

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation, kidneys and liver damages, as well as leading the impairment of the central nervous system.

Symptoms and signs include headache: dizziness, fatigue, muscular weakness, drowsiness and in extreme cases loss of consciousness.

The liquid splashed in the eyes may cause irritation and reversible damage.

STOT-repeated exposure

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Aspiration hazard

The product contains substances, which are classified as aspiration toxicity, category 1, in accordance to the Regulation (EC) No. 1272/2008 (CLP-Regulation) in their pure form.

The product is not classified as aspiration toxicity, category 1, because of the higher viscosity (> 20,5 mm²/s at 40°C) and the used concentration of the substances..

11.4 Other adverse effects

Other observations

This product is unlikely to harm health, given normal and proper handling and hygienic precautions.

11.5 Additional information

The product is classified in toxicological terms on the basis of the results of the calculation procedure outlined within the Regulation (EC) No 1272/2008 (CLP-Regulation), listed in sections 2 and 3.

At proper dealing and use as agreed the product does not cause any effects bad for health after our experiences and the information submitted to us.

Trade name : Easyline Edge Farbkartusche 1858
Revision date : 30.08.2017
Print date : 30.08.2017

Version (Revision) : 4.0.0 (3.0.0)

SECTION 12: Ecological information

12.1 Toxicity

Acute or chronic damages to water organisms by the product in the aquatic environment are not expecting.

Aquatic toxicity

Acute (short-term) fish toxicity

Parameter : LC50 (XYLENE ; CAS No. : 1330-20-7)
Species : Oncorhynchus mykiss (Rainbow trout)
Effective dose : 7,6 mg/l
Exposure time : 96 h

Acute (short-term) daphnia toxicity

Parameter : EC50 (XYLENE ; CAS No. : 1330-20-7)
Species : Daphnia magna (Big water flea)
Effective dose : 3,82 mg/l
Exposure time : 48 h

Acute (short-term) algae toxicity

Parameter : EC50 (XYLENE ; CAS No. : 1330-20-7)
Species : Pseudokirchneriella subcapitata
Effective dose : 4,7 mg/l
Exposure time : 72 h
Parameter : EL0 (HYDROCARBONS, C10-C13, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS)
Species : Daphnia magna (Big water flea)
Effective dose : 1000 mg/l
Exposure time : 48 h
Parameter : EL0 (HYDROCARBONS, C10-C13, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS)
Species : Pseudokirchneriella subcapitata
Effective dose : 1000 mg/l
Exposure time : 72 h

12.2 Persistence and degradability

These are not data available about the potential of the product concerning his persistency and degradability.

12.3 Bioaccumulative potential

These are not data available about the bio accumulation potential of the product. No information about the individual components is available either.

12.4 Mobility in soil

These are not datas available about the potential of the product concerning his mobility in the ground.
A penetrating into soil, waters and sewage system should be prevented.

12.5 Results of PBT and vPvB assessment

This product does not contain any relevant substances which were classified as a PBT or vPvB-substance.

12.6 Other adverse effects

There are no data available on the preparation itself.

12.7 Additional ecotoxicological information

Avoid exposing into ground, waterways and drainage.
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water. The classification of the product is based on summation of classified components according to the Regulation (EC) No 1272/2008 (CLP-Regulation). See details in sections 2 and 3.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Send to a hazardous waste incinerator facility under observation of official regulations.

Safety Data Sheet

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



Trade name : Easyline Edge Farbkartusche 1858
Revision date : 30.08.2017
Print date : 30.08.2017

Version (Revision) : 4.0.0 (3.0.0)

Product/Packaging disposal

Do not dispose together with household garbage. Do not empty into waters or drains. Avoid release to the environment. Empty containers should be scrapped or reconditioned. Containers, which have not been emptied properly must be treated as special waste.

Waste codes/waste designations according to EWC/AVV

Waste code product

Disposal-definition No. (AVV-Code): 08 01 11* Paint and varnish waste which contains organic solvents or other dangerous substances.

Waste code packaging

Disposal-definition No. (AVV-Code):
15 01 10 * packings which contain dangerous substances or are polluted by dangerous substances.

SECTION 14: Transport information

14.1 UN number

UN 1950

14.2 UN proper shipping name

Land transport (ADR/RID)

AEROSOLS

Sea transport (IMDG)

AEROSOLS

Air transport (ICAO-TI / IATA-DGR)

AEROSOLS, FLAMMABLE

14.3 Transport hazard class(es)

Land transport (ADR/RID)

Class(es) : 2
Classification code : 5F
Hazard identification number (Kemler No.) : 23
Tunnel restriction code : D
Hazard label(s) : 2.1

Sea transport (IMDG)

Class(es) : 2.1
EmS-No. : F-D / S-U
Hazard label(s) : 2.1

Air transport (ICAO-TI / IATA-DGR)

Class(es) : 2.1
Hazard label(s) : 2.1

14.4 Packing group

-

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

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

Not relevant because the product in type of delivery does not transport in bulks according to the International Maritime Organization (IMO) instruments.

14.8 Additional information

ADR/RID: Limited quantities.

Trade name : Easyline Edge Farbkartusche 1858
Revision date : 30.08.2017
Print date : 30.08.2017

Version (Revision) : 4.0.0 (3.0.0)

SECTION 15: Regulatory information

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

EU legislation

Other regulations (EU)

Information according to 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline)

The product is not subject to the EU guideline 2004/42/EC about the limitation of the issues of brief organic connections due to the use of organic solvents in certain colours and varnishes.

National regulations

Water hazard class (WGK)

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

15.2 Chemical safety assessment

A chemical safety assessments was not carried out.

SECTION 16: Other information

16.1 Indication of changes

None

16.2 Abbreviations and acronyms

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)

ADR: European agreement concerning the international carriage of dangerous goods by road (Accord européen relatif transport des marchandises dangereuses par route)

AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany) AOX: Adsorbable Organic halogen compounds

ATEmix: Calculated acute toxicity estimate of mixture

BCF: Bio-Concentration Factor

CAS: Chemical Abstract Service

CLP: Classification, Labelling and Packaging

CMR: Substances classified as Carcinogenic, Mutagenic or toxic for Reproduction

CSR: Chemical Safety Report

DNEL: Derived No Effect Level

EC: European Commission

EC50: Effective Concentration 50%

ECHA: European Chemical Agency

EEC: European Economic Community

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

EWG: European Waste Catalogue

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

IC50: Inhibition Concentration 50%

IMDG Code: International Maritime Dangerous Goods Code

IMO: International Maritime Organization

LC50: Lethal concentration 50%

LD50: Lethal Dose 50%

LOAEL: Lowest Observed Adverse Effect Level

LOEL: Lowest observable effect level

MAK: Threshold limit values Germany (Maximale Arbeitsplatzkonzentration - DFG)

MARPOL: Convention for the Prevention of Marine Pollution from Ships

MVZ: molar ratio

n.a.: Not applicable

n.d.: Not determined

n.r.: Not relevant

Safety Data Sheet

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



Trade name : Easyline Edge Farbkartusche 1858
Revision date : 30.08.2017
Print date : 30.08.2017

Version (Revision) : 4.0.0 (3.0.0)

NLP: No Longer Polymers
NOAEC: No Observed Adverse Effect Concentration
NOAEL: No Observed Adverse Effect Level
NOEC: No Observed Effect Concentration
NOEL: No Observed Effect Level
OEL: Occupational Exposure Limit
PBT: Persistent, bioaccumulative, toxic
PNEC: Predicted No Effect Concentration
RCP: Reciprocal calculation procedure
REACH: Registration, Evaluation and Authorization of Chemical)
RID: Regulations concerning the international carriage of dangerous goods by rail (Règlement International concernant le transport de marchandises dangereuses par chemin de fer)
STEL: Short-term Exposure Limit
SVHC: Substance of Very High Concern
TLV - TWA: Threshold Limit Value - Time Weighted Average
VOC: Volatile Organic Compounds
vPvB: Very persistent, very bioaccumulative.

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]

The evaluation of hazard information of the product was carried out in accordance to Annex I of the REGULATION (EC) No 1272/2008 (CLP Regulation).

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

H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
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.
H336	May cause drowsiness or dizziness.
H361	Suspected of damaging fertility or the unborn child.
H361d	Suspected of damaging the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.

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.