

Safety Data Sheet

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



Trade name : PIPEPAINT H51
HANDMATIGE VERWERKING
Revision date : 12-05-2017
Print date : 12-05-2017

Version (Revision) : 15.1.0 (13.0.0)

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

1.1 Product identifier

PIPEPAINT H51
HANDMATIGE VERWERKING (14CFA09010)

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

Relevant identified uses

Coatings and paints, thinners, paint removers

Product Categories [PC]

PC9a - Coatings and paints, thinners, paint removers

Sector of uses [SU]

SU3 - Industrial uses: Uses of substances as such or in preparations at industrial sites

SU10 - Formulation [mixing] of preparations and/or re-packaging (excluding alloys)

SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Article categories [AC]

SEE TECHNICAL DATA SHEET

AC1 - Vehicles

AC2 - Machinery, mechanical appliances, electrical/electronic articles

AC4 - Stone, plaster, cement, glass and ceramic articles

AC5 - Fabrics, textiles and apparel

AC6 - Leather articles

AC7 - Metal articles

AC8 - Paper articles

AC10 - Rubber articles

AC11 - Wood articles

AC13 - Plastic articles

http://ec.europa.eu/taxation_customs/dds/

Process categories [PROC]

PROC1 - Use in closed process, no likelihood of exposure

PROC2 - Use in closed, continuous process with occasional controlled exposure

PROC3 - Use in closed batch process (synthesis or formulation)

PROC4 - Use in batch and other process (synthesis) where opportunity for exposure arises

PROC5 - Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)

PROC7 - Industrial spraying

PROC8a - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities

PROC8b - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities

PROC9 - Transfer of substance or preparation into small containers (dedicated filling line, including weighing)

PROC10 - Roller application or brushing

PROC11 - Non industrial spraying

PROC13 - Treatment of articles by dipping and pouring

PROC15 - Use as laboratory reagent

PROC19 - Hand-mixing with intimate contact and only PPE available

PROC21 - Low energy manipulation of substances bound in materials and/or articles

PROC24 - High (mechanical) energy work-up of substances bound in materials and/or articles

PROC25 - Other hot work operations with metals

Environmental release categories [ERC]

ERC2 - Formulation of preparations (mixtures)

ERC4 - Industrial use of processing aids in processes and products, not becoming part of articles

ERC5 - Industrial use resulting in inclusion into or onto a matrix

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ERC8a - Wide dispersive indoor use of processing aids in open systems
ERC8c - Wide dispersive indoor use resulting in inclusion into or onto a matrix
ERC8d - Wide dispersive outdoor use of processing aids in open systems
ERC8f - Wide dispersive outdoor use resulting in inclusion into or onto a matrix

1.3 Details of the supplier of the safety data sheet

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

SPUITERIJ GERAERTS

Street : AMBACHTEN 10

Postal code/city : 5711 LC SOMEREN

Telephone : 0031/493.440.825

Telefax : 0031/493.440.508

Information contact : GILBERT GERAERTS (T: 0031/620.597.294 E: gilbert@spuiterijgeraerts.nl)

1.4 Emergency telephone number

GILBERT GERAERTS (T: 0031/620.597.294 E: gilbert@spuiterijgeraerts.nl)

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.

Skin Irrit. 2 ; H315 - Skin corrosion/irritation : Category 2 ; Causes skin 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.
H315 Causes skin 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.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P321 Specific treatment (see ... on this label).
P403+P235 Store in a well-ventilated place. Keep cool.

Special rules for supplemental label elements for certain mixtures

EUH208 Contains 2-BUTANONE OXIME. May produce an allergic reaction.

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2.3 Other hazards

None

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

XYLENE ; REACH registration No. : 01-2119488216-32 ; EC No. : 215-535-7 ; CAS No. : 1330-20-7

Weight fraction : $\geq 25 - < 50$ %

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

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

Weight fraction : $\geq 2,5 - < 10$ %

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

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

Weight fraction : $< 2,5$ %

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

TRIZINC BIS(ORTHOPHOSPHATE) ; REACH registration No. : 01-2119485044-40 ; EC No. : 231-944-3 ; CAS No. : 7779-90-0

Weight fraction : $< 2,5$ %

Classification 1272/2008 [CLP] : Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

ZINC OXIDE ; REACH registration No. : 01-2119463881-32 ; EC No. : 215-222-5 ; CAS No. : 1314-13-2

Weight fraction : $< 2,5$ %

Classification 1272/2008 [CLP] : Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

2-BUTANONE OXIME ; REACH registration No. : 01-2119539477-28 ; EC No. : 202-496-6 ; CAS No. : 96-29-7

Weight fraction : $\geq 0,1 - < 1$ %

Classification 1272/2008 [CLP] : Carc. 2 ; H351 Eye Dam. 1 ; H318 Acute Tox. 4 ; H312 Skin Sens. 1 ; H317

FATTY ACID, C6-19-BRANCHED ZINC SALTS ; REACH registration No. : 01-2119980048-32 ; EC No. : 271-378-4 ; CAS No. : 68551-44-0

Weight fraction : $< 2,5$ %

Classification 1272/2008 [CLP] : Aquatic Chronic 2 ; H411

TOLUENE ; REACH registration No. : 01-2119471310-51 ; EC No. : 203-625-9 ; CAS No. : 108-88-3

Weight fraction : < 1 %

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

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Following inhalation

Remove casualty to fresh air and keep warm and at rest. Consult a doctor immediately in the case of inhaling spray mist and show him packing or label.

In case of skin contact

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician.

After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

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After ingestion

Do NOT induce vomiting. Call a physician in any case!

Self-protection of the first aider

First aider: Pay attention to self-protection!

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

36/37 - Irritating to eyes and respiratory system. 20/21/22 - Harmful by inhalation, in contact with skin and if swallowed. Headache Dizziness Vomiting

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Foam Extinguishing powder Carbon dioxide (CO₂)

Unsuitable extinguishing media

Water spray jet

5.2 Special hazards arising from the substance or mixture

Nitrogen oxides (NO_x) Carbon monoxide Burning produces heavy smoke. Hazardous combustion products

5.3 Advice for firefighters

Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Do not inhale explosion and combustion gases.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Avoid direct skin contact with product. Identify potential areas for indirect skin contact. Wear gloves (tested to EN374) if hand contact with substance likely. Clean up contamination/spills as soon as they occur. Wash off any skin contamination immediately. Provide basic employee training to prevent/minimise exposures and to report any skin problems that may develop. Use personal protection equipment.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Do not allow to enter into soil/subsoil.

6.3 Methods and material for containment and cleaning up

Sawdust Take up mechanically, placing in appropriate containers for disposal.

6.4 Reference to other sections

Safe handling: see section 7 Disposal: see section 13 Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Wear personal protection equipment (refer to section 8). Use only in well-ventilated areas. Take precautionary measures against static discharges. Wear anti-static footwear and clothing Handling Precautions against fire and explosion Vapours are heavier than air, spread along floors and form explosive mixtures with air. This material is combustible and can be ignited by heat, sparks, flames, or other sources of ignition (e.g. static electricity, pilot lights, or mechanical/electrical equipment). P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

7.2 Conditions for safe storage, including any incompatibilities Requirements for storage rooms and vessels

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Protect against direct sunlight. 13 - Keep away from food, drink and animal feedingstuffs. Materials to avoid Strong acid Oxidising agent Keep only in the original container in a cool, well-ventilated place.

Hints on joint storage

Storage class : 3

Storage class (TRGS 510) : 3

Further information on storage conditions

Storage temperature : 12 months in original, unopened packaging, protected from extreme cold and excessive heat (- 5°C < t°C < 35°C).

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection



8.1 Control parameters

Occupational exposure limit values

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 : 06-11-2015

Limit value type (country of origin) : STEL (EC)
Limit value : 100 ppm / 442 mg/m³
Remark : H
Version : 08-06-2000

Limit value type (country of origin) : TWA (EC)
Limit value : 50 ppm / 221 mg/m³
Remark : H
Version : 08-06-2000

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
Version : 06-11-2015

Limit value type (country of origin) : STEL (EC)
Limit value : 200 ppm / 884 mg/m³
Remark : H
Version : 08-06-2000

Limit value type (country of origin) : TWA (EC)
Limit value : 100 ppm / 442 mg/m³
Remark : H
Version : 08-06-2000

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

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Version : 06-11-2015
Limit value type (country of origin) : STEL (EC)
Limit value : 150 ppm / 568 mg/m³
Remark : H
Version : 08-06-2000
Limit value type (country of origin) : TWA (EC)
Limit value : 100 ppm / 375 mg/m³
Remark : H
Version : 08-06-2000

2-BUTANONE OXIME ; CAS No. : 96-29-7
Limit value type (country of origin) : TRGS 900 (D)
Limit value : 0,3 ppm / 1 mg/m³
Peak limitation : 8(I)
Remark : Y, H, Sh
Version : 06-11-2015

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
Limit value type (country of origin) : STEL (EC)
Limit value : 100 ppm / 384 mg/m³
Remark : H
Version : 07-02-2006
Limit value type (country of origin) : TWA (EC)
Limit value : 50 ppm / 192 mg/m³
Remark : H
Version : 07-02-2006

Remark

Y: A risk of reproductive effects needs not to be feared if the occupational exposure limit value (AGW) and the biological limit value (BGW) is kept Z: A risk of reproductive effects cannot to be excluded if the occupational exposure limit value (AGW) and the biological limit value (BGW) is kept H: skin resorptive

Biological limit values

Biological limit values

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
Version : 31-03-2004

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
Version : 31-03-2004

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

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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

DNEL/DMEL and PNEC values

DNEL/DMEL PNEC

DNEL/DMEL

Limit value type : DNEL/DMEL (Consumer) (XYLENE ; CAS No. : 1330-20-7)

Exposure route : Inhalation

Exposure frequency : Short-term (acute)

Limit value : = 174 mg/m³

Limit value type : DNEL/DMEL (Consumer) (XYLENE ; CAS No. : 1330-20-7)

Exposure route : Inhalation

Exposure frequency : Short-term

Limit value : = 174 mg/m³

Limit value type : DNEL/DMEL (Consumer) (XYLENE ; CAS No. : 1330-20-7)

Exposure route : Inhalation

Exposure frequency : Long-term (repeated)

Limit value : = 14,8 mg/m³

Limit value type : DNEL/DMEL (Consumer) (XYLENE ; CAS No. : 1330-20-7)

Exposure route : Dermal

Exposure frequency : Long-term (repeated)

Limit value : = 108 mg/kg

Limit value type : DNEL/DMEL (Consumer) (XYLENE ; CAS No. : 1330-20-7)

Exposure route : Oral

Exposure frequency : Long-term (repeated)

Limit value : = 1,6 mg/kg

Limit value type : DNEL/DMEL (Industrial) (XYLENE ; CAS No. : 1330-20-7)

Exposure route : Inhalation

Exposure frequency : Short-term

Limit value : = 289 mg/m³

Limit value type : DNEL/DMEL (Industrial) (XYLENE ; CAS No. : 1330-20-7)

Exposure route : Inhalation

Exposure frequency : Long-term (repeated)

Limit value : = 77 mg/m³

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 : Short-term (acute)

Limit value : = 289 mg/m³

Limit value type : DNEL worker (systemic) (ZINC OXIDE ; CAS No. : 1314-13-2)

Exposure route : Inhalation

Exposure frequency : Long-term

Limit value : 5 mg/m³

Limit value type : DNEL worker (systemic) (ZINC OXIDE ; CAS No. : 1314-13-2)

Exposure route : Dermal

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Exposure frequency : Long-term
Limit value : 87 mg/kg
Safety factor : 24 h

PNEC

Limit value type : PNEC aquatic, freshwater (XYLENE ; CAS No. : 1330-20-7)
Exposure route : Water (Including sewage plant)
Exposure time : Long-term (continuous)
Limit value : = 0,327 mg/l

Limit value type : PNEC sediment, freshwater (XYLENE ; CAS No. : 1330-20-7)
Exposure route : Soil
Exposure time : Long-term (continuous)
Limit value : = 12,46 mg/kg

Limit value type : PNEC soil, freshwater (XYLENE ; CAS No. : 1330-20-7)
Exposure route : Soil
Exposure time : Long-term (continuous)
Limit value : = 2,31 mg/kg

Limit value type : PNEC sewage treatment plant (STP) (XYLENE ; CAS No. : 1330-20-7)
Exposure route : Water (Including sewage plant)
Exposure time : Long-term (continuous)
Limit value : = 6,58 mg/l

Limit value type : PNEC aquatic, freshwater (ZINC OXIDE ; CAS No. : 1314-13-2)
Exposure route : Water (Including sewage plant)
Exposure time : Long-term (continuous)
Limit value : 20,6 µg/l

Limit value type : PNEC aquatic, marine water (ZINC OXIDE ; CAS No. : 1314-13-2)
Exposure route : Water (Including sewage plant)
Exposure time : Long-term (continuous)
Limit value : 6,1 µg/l

Limit value type : PNEC sediment, freshwater (ZINC OXIDE ; CAS No. : 1314-13-2)
Exposure route : Soil
Exposure time : Long-term (continuous)
Limit value : 117 mg/kg

Limit value type : PNEC sediment, marine water (ZINC OXIDE ; CAS No. : 1314-13-2)
Exposure route : Soil
Exposure time : Long-term (continuous)
Limit value : 56,5 mg/kg

Limit value type : PNEC soil, freshwater (ZINC OXIDE ; CAS No. : 1314-13-2)
Exposure route : Soil
Exposure time : Long-term (continuous)
Limit value : 35,6 mg/kg

Limit value type : PNEC sewage treatment plant (STP) (ZINC OXIDE ; CAS No. : 1314-13-2)
Exposure route : Water (Including sewage plant)
Exposure time : Long-term (continuous)
Limit value : 52 µg/l

8.2 Exposure controls

Personal protection equipment

Eye/face protection

Wear eye glasses with side protection according to EN 166.

Skin protection

Chemical resistant safety shoes Wear anti-static footwear and clothing When handling with chemical substances, protective clothing with CE-labels including the four control digits must be worn.

Hand protection

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

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Repeated or prolonged exposure:

Glove material: PVA Fluoridated rubber , Glove thickness : (*), Breakthrough time : > 480 min , Comments : EN 374 (*) gehele laagdikte

Upon exposure by splashes:

Glove material: Nitrile , Glove thickness : > 0.45 mm , Breakthrough time : > 30 min , Comments : EN 374 Hand protection

Suitable material : Butyl caoutchouc (butyl rubber)

Respiratory protection

23 - Do not breathe vapour. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Half-face mask or quarter facepiece: maximum use concentration for substances with exposure limits: P1 filter: up to a max. of 4 times the exposure limit. P2 filter: up to a max. of 10 times the exposure limit. P3 filter: up to a max. of 30 times the expo DIN-/EN-Norms (EN 529) Filtertypes: A and AX (Brown) // Class 1, 2 and 3

General health and safety measures

13 - Keep away from food, drink and animal feedingstuffs. Remove contaminated, saturated clothing immediately. Precautions for safe handling

Occupational exposure controls

Technical measures to prevent exposure

Provide for sufficient ventilation. This can be achieved by local exhaust or general exhaust air collection. Wear a suitable respirator if the ventilation is not sufficient to keep the solvent vapour concentration below the occupational limit values.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Safety relevant basis data

Physical state :			liquid
Initial boiling point and boiling range :	(1013 hPa)	>	100 °C
Flash point :		>	23 °C
Lower explosion limit :			1 - 8 Vol-%
Density :	(20 °C)	approx.	1,27 g/cm ³
Viscosity:	(25 °C)		80 - 90 KU
Relative vapour density (air = 1)		>	1

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2 Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Take precautionary measures against static discharges.

10.5 Incompatible materials

Strong acid Oxidising agent.

10.6 Hazardous decomposition products

The product is stable under storage at normal ambient temperatures.

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute effects

Acute oral toxicity

Parameter : LD50 (XYLENE ; CAS No. : 1330-20-7)
Exposure route : Oral
Species : Rat
Effective dose : 3523 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 (ZINC OXIDE ; CAS No. : 1314-13-2)
Exposure route : Oral
Species : Rat
Effective dose : 7950 mg/kg
Parameter : LD50 (TOLUENE ; CAS No. : 108-88-3)
Exposure route : Oral
Species : Rat
Effective dose : 5000 mg/kg

Acute dermal toxicity

Parameter : LD50 (XYLENE ; CAS No. : 1330-20-7)
Exposure route : Dermal
Species : Rabbit
Effective dose : 12126 mg/kg
Parameter : LD50 (ETHYLBENZENE ; CAS No. : 100-41-4)
Exposure route : Dermal
Species : Rabbit
Effective dose : 5000 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 (TOLUENE ; CAS No. : 108-88-3)
Exposure route : Dermal
Species : Rabbit
Effective dose : 14 g/kg

Acute inhalation toxicity

Parameter : LC50 (XYLENE ; CAS No. : 1330-20-7)
Exposure route : Inhalation
Species : Rat
Effective dose : 27124 mg/m³
Exposure time : 4 h
Parameter : LC50 (ZINC OXIDE ; CAS No. : 1314-13-2)
Exposure route : Inhalation
Species : Mouse
Effective dose : 2500 mg/m³
Parameter : LC50 (TOLUENE ; CAS No. : 108-88-3)

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Exposure route : Inhalation
Species : Mouse
Effective dose : 5300 ppm

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Acute (short-term) algae toxicity

Parameter : EC50 (XYLENE ; CAS No. : 1330-20-7)
Species : Daphnia magna (Big water flea)
Evaluation parameter : Acute (short-term) daphnia toxicity
Effective dose : = 1 mg/l
Exposure time : 48 h

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

Parameter : Bioconcentration factor (BCF) (XYLENE ; CAS No. : 1330-20-7)
Bioconcentration factor (BCF)
Bioconcentration factor (BCF)
Concentration : = 25,9

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

None

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Handle contaminated packages in the same way as the substance itself. Dispose according to legislation.

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

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Hazard identification number (Kemler No.) : 30
Tunnel restriction code : D/E
Special provisions : 640E · 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

Technische Anleitung Luft (TA-Luft)

Weight fraction (Number 5.2.5. I) : < 5 %

Water hazard class (WGK)

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

Other regulations, restrictions and prohibition regulations

Betriebssicherheitsverordnung (BetrSichV)

No flammable liquid according to BetrSichV.

VOC-Regulation

VOC-value : < 460 g/l according to 31. BImSchV

15.2 Chemical safety assessment

No information available.

15.3 Additional information

EU limit value (cat. A/i): 500 g/l.

SECTION 16: Other information

16.1 Indication of changes

None

16.2 Abbreviations and acronyms

None

16.3 Key literature references and sources for data

None

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

No information available.

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

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H312+H332	Harmful in contact with skin or if inhaled.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful 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.
