QUIXX Rim Paint "Silver"

Safety Data Sheet

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

Date of issue: 19/12/2018 Revision date: 19/12/2018 Version: 1.00

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

1.1. Product identifier

Trade name : QUIXX Rim Paint "Silver"

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

1.2.1. Relevant identified uses

Intended for general public

Main use category : Consumer use

Use of the substance/mixture : Varnish

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

E.V.I. GmbH
Hainbuchenring 4
82061 Neuried - Germany
T +49 (0)89 745062-0 - F +49 (0)89 745062-99
www.e-v-i.de

E-mail address of competent person responsible for the SDS

sds@kft.de

1.4. Emergency telephone number

Emergency number : GIZ-Nord, Göttingen
Germany
+49 551 19240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flammable liquids, Category 2	H225
Specific target organ toxicity — Single exposure, Category 3, Narcosis	H336
Hazardous to the aquatic environment — Chronic Hazard, Category 3	H412

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Highly flammable liquid and vapour. May cause drowsiness or dizziness. Harmful to aquatic life with long lasting effects.

2.2. Label elements

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

Hazard pictograms (CLP) :

GHS02 GHS07

Signal word (CLP) : Danger

Hazardous ingredients : n-butyl acetate; Naphtha (petroleum), hydrotreated heavy; Solvent naphtha (petroleum), light arom.

Hazard statements (CLP) : H225 - Highly flammable liquid and vapour.
H336 - May cause drowsiness or dizziness.
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP) : P102 - Keep out of reach of children.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P271 - Use only outdoors or in a well-ventilated area.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P501 - Dispose of contents, container to a hazardous or special waste collection point.

EUH-statements : EUH066 - Repeated exposure may cause skin dryness or cracking.

Extra phrases	: INCI Name. BUTYL ACETATE; C10-12 ALKANE/CYCLOALKANE; C9-10 AROMATIC HYDROCARBONS.
Child-resistant fastening	: Not applicable
Tactile warning	: Applicable

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
n-butyl acetate	(CAS-No.) 123-86-4 (EC-No.) 204-658-1 (EC Index-No.) 607-025-00-1	>=50 - <70	Flam. Liq. 3, H226 STOT SE 3, H336
reaction mass of ethylbenzene and xylene		>=5 - <10	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:vapour), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304
Ethanol	(CAS-No.) 64-17-5 (EC-No.) 200-578-6 (EC Index-No.) 603-002-00-5	>=5 - <10	Flam. Liq. 2, H225 Eye Irrit. 2, H319
aluminium powder (stabilised) substance with national workplace exposure limit(s) (GB) (Note T)	(CAS-No.) 7429-90-5 (EC-No.) 231-072-3 (EC Index-No.) 013-002-00-1	>=2.5 - <5	Water-react. 2, H261 Flam. Sol. 1, H228
Naphtha (petroleum), hydrotreated heavy (Note P)	(CAS-No.) 64742-48-9 (EC-No.) 265-150-3 (EC Index-No.) 649-327-00-6	>=1 - <2.5	Flam. Liq. 1, H224 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Solvent naphtha (petroleum), light arom. (Note P)	(CAS-No.) 64742-95-6 (EC-No.) 265-199-0 (EC Index-No.) 649-356-00-4	>=1 - <2.5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
propan-2-ol substance with national workplace exposure limit(s) (GB)	(CAS-No.) 67-63-0 (EC-No.) 200-661-7 (EC Index-No.) 603-117-00-0	>=0.1 - <1	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
acetone substance with a Community workplace exposure limit substance with national workplace exposure limit(s) (GB)	(CAS-No.) 67-64-1 (EC-No.) 200-662-2 (EC Index-No.) 606-001-00-8	>=0.1 - <1	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
2-methoxy-1-methylethyl acetate substance with a Community workplace exposure limit substance with national workplace exposure limit(s) (GB)	(CAS-No.) 108-65-6 (EC-No.) 203-603-9 (EC Index-No.) 607-195-00-7	>=0.1 - <1	Flam. Liq. 3, H226 STOT SE 3, H336
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) substance with a Community workplace exposure limit	(REACH-no) 01-2119458049-33-xxxx	>=0.1 - <1	Flam. Liq. 3, H226 STOT SE 3, H336 STOT RE 1, H372 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

Specific concentration limits:		
Name	**Product identifier**	**Specific concentration limits**
reaction mass of ethylbenzene and xylene		(C >= 10) STOT RE 2, H373
Ethanol	(CAS-No.) 64-17-5 (EC-No.) 200-578-6 (EC Index-No.) 603-002-00-5	(50 =<C < 100) Eye Irrit. 2, H319

Note P : The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7). When the substance is not classified as a carcinogen at least the precautionary statements (P102-)P260-P262- P301 + P310-P331 (Table 3.1) or the S-phrases (2-)23-24-62 (Table 3.2) shall apply. This note applies only to certain complex oil-derived substances in Part 3.

Note T : This substance may be marketed in a form which does not have the physical hazards as indicated by the classification in the entry in Part 3. If the results of the relevant method or methods in accordance with Part 2 of Annex I of this Regulation show that the specific form of substance marketed does not exhibit this physical property or these physical hazards, the substance shall be classified in accordance with the result or results of this test or these tests. Relevant information, including reference to the relevant test method(s) shall be included in the safety data sheet.

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Call a poison center or a doctor if you feel unwell.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.

First-aid measures after skin contact : Rinse skin with water/shower. Take off immediately all contaminated clothing.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Call a physician immediately. Vomiting: prevent asphyxia/aspiration pneumonia.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects : May cause drowsiness or dizziness.

Symptoms/effects after skin contact : Repeated exposure may cause skin dryness or cracking.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : Strong water jet.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Highly flammable liquid and vapour.

Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon dioxide. Carbon monoxide. Aluminium oxides.

5.3. Advice for firefighters

Firefighting instructions : Protect container with water spray.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

Other information : Do not allow run-off from fire fighting to enter drains or water courses. Disposal must be done according to official regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing mist, vapours, spray.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid sub-soil penetration. Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Notify authorities if product enters sewers or public waters.

Other information : Disposal must be done according to official regulations.

6.4. Reference to other sections

Information for safe handling. See section 7. Concerning personal protective equipment to use, see section 8. For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing mist, vapours, spray.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground/bond container and receiving equipment.

Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up. Protect against frost.

Heat and ignition sources : Keep away from heat and direct sunlight.

Information about storage in one common storage facility : Keep away from food, drink and animal feeding stuffs.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

n-butyl acetate (123-86-4)		
EU	Local name	n-butyl acetate
EU	Notes	(Ongoing)
EU	Regulatory reference	SCOEL Recommendations
United Kingdom	Local name	Butyl acetate
United Kingdom	WEL TWA (mg/m³)	724 mg/m³
United Kingdom	WEL TWA (ppm)	150 ppm
United Kingdom	WEL STEL (mg/m³)	966 mg/m³
United Kingdom	WEL STEL (ppm)	200 ppm
United Kingdom	Regulatory reference	EH40/2005 (Third edition, 2018). HSE

reaction mass of ethylbenzene and xylene		
EU	Local name	Xylene, mixed isomers, pure
EU	IOELV TWA (mg/m³)	221 mg/m³

reaction mass of ethylbenzene and xylene		
EU	IOELV TWA (ppm)	50 ppm
EU	IOELV STEL (mg/m³)	442 mg/m³
EU	IOELV STEL (ppm)	100 ppm
EU	Notes	Skin
EU	Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
United Kingdom	Local name	Xylene
United Kingdom	WEL TWA (mg/m³)	220 mg/m³ o-,m-,p- or mixed isomers
United Kingdom	WEL TWA (ppm)	50 ppm o-,m-,p- or mixed isomers
United Kingdom	WEL STEL (mg/m³)	441 mg/m³ o-,m-,p- or mixed isomers
United Kingdom	WEL STEL (ppm)	100 ppm o-,m-,p- or mixed isomers
United Kingdom	Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
United Kingdom	Regulatory reference	EH40/2005 (Third edition, 2018). HSE

Ethanol (64-17-5)		
United Kingdom	Local name	Ethanol
United Kingdom	WEL TWA (mg/m³)	1920 mg/m³
United Kingdom	WEL TWA (ppm)	1000 ppm
United Kingdom	Regulatory reference	EH40/2005 (Third edition, 2018). HSE

aluminium powder (stabilised) (7429-90-5)		
United Kingdom	Local name	Aluminium
United Kingdom	WEL TWA (mg/m³)	2 mg/m³ alkyl compounds 2 mg/m³ salts, soluble 10 mg/m³ metal, inhalable dust 4 mg/m³ metal, respirable dust
United Kingdom	Regulatory reference	EH40/2005 (Third edition, 2018). HSE

Naphtha (petroleum), hydrotreated heavy (64742-48-9)		
EU	Local name	White spirit Type 3
EU	IOELV TWA (mg/m³)	116 mg/m³
EU	IOELV TWA (ppm)	20 ppm
EU	IOELV STEL (mg/m³)	290 mg/m³
EU	IOELV STEL (ppm)	50 ppm
EU	Notes	skin. (Year of adoption 2007)
EU	Regulatory reference	SCOEL Recommendations

propan-2-ol (67-63-0)		
United Kingdom	Local name	Propan-2-ol
United Kingdom	WEL TWA (mg/m³)	999 mg/m³
United Kingdom	WEL TWA (ppm)	400 ppm
United Kingdom	WEL STEL (mg/m³)	1250 mg/m³
United Kingdom	WEL STEL (ppm)	500 ppm
United Kingdom	Regulatory reference	EH40/2005 (Third edition, 2018). HSE

acetone (67-64-1)		
EU	Local name	Acetone
EU	IOELV TWA (mg/m³)	1210 mg/m³
EU	IOELV TWA (ppm)	500 ppm
EU	Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
United Kingdom	Local name	Acetone
United Kingdom	WEL TWA (mg/m³)	1210 mg/m³
United Kingdom	WEL TWA (ppm)	500 ppm
United Kingdom	WEL STEL (mg/m³)	3620 mg/m³
United Kingdom	WEL STEL (ppm)	1500 ppm
United Kingdom	Regulatory reference	EH40/2005 (Third edition, 2018). HSE

2-methoxy-1-methylethyl acetate (108-65-6)		
EU	Local name	2-Methoxy-1-methylethylacetate
EU	IOELV TWA (mg/m³)	275 mg/m³
EU	IOELV TWA (ppm)	50 ppm
EU	IOELV STEL (mg/m³)	550 mg/m³
EU	IOELV STEL (ppm)	100 ppm
EU	Notes	Skin
EU	Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
United Kingdom	Local name	1-Methoxypropyl acetate
United Kingdom	WEL TWA (mg/m³)	274 mg/m³
United Kingdom	WEL TWA (ppm)	50 ppm
United Kingdom	WEL STEL (mg/m³)	548 mg/m³
United Kingdom	WEL STEL (ppm)	100 ppm
United Kingdom	Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
United Kingdom	Regulatory reference	EH40/2005 (Third edition, 2018). HSE

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)		
EU	Local name	White spirit Type 1
EU	IOELV TWA (mg/m³)	116 mg/m³
EU	IOELV TWA (ppm)	20 ppm
EU	IOELV STEL (mg/m³)	290 mg/m³
EU	IOELV STEL (ppm)	50 ppm
EU	Notes	skin. (Year of adoption 2007)
EU	Regulatory reference	SCOEL Recommendations

n-butyl acetate (123-86-4)	
DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	11 mg/kg bodyweight/day
Acute - systemic effects, inhalation	600 mg/m³
Acute - local effects, inhalation	600 mg/m³
Long-term - systemic effects, dermal	11 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	300 mg/m³
Long-term - local effects, inhalation	300 mg/m³

n-butyl acetate (123-86-4)	
DNEL/DMEL (General population)	
Acute - systemic effects, dermal	6 mg/kg bodyweight
Acute - systemic effects, inhalation	300 mg/m³
Acute - systemic effects, oral	2 mg/kg bodyweight
Acute - local effects, inhalation	300 mg/m³
Long-term - systemic effects,oral	2 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	35.7 mg/m³
Long-term - systemic effects, dermal	6 mg/kg bodyweight/day
Long-term - local effects, inhalation	35.7 mg/m³
PNEC (Water)	
PNEC aqua (freshwater)	0.18 mg/l
PNEC aqua (marine water)	0.018 mg/l
PNEC aqua (intermittent, freshwater)	0.36 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0.981 mg/kg dwt
PNEC sediment (marine water)	0.0981 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.0903 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	35.6 mg/l

aluminium powder (stabilised) (7429-90-5)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, inhalation	3.72 mg/m³
Long-term - local effects, inhalation	3.72 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	7.9 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	74.9 µg/L
PNEC (STP)	
PNEC sewage treatment plant	20 mg/l

Naphtha (petroleum), hydrotreated heavy (64742-48-9)	
DNEL/DMEL (Workers)	
Acute - systemic effects, inhalation	1300 mg/m³
Acute - local effects, inhalation	1100 mg/m³
Long-term - local effects, inhalation	840 mg/m³
DNEL/DMEL (General population)	
Acute - systemic effects, inhalation	1200 mg/m³
Acute - local effects, inhalation	640 mg/m³
Long-term - local effects, inhalation	180 mg/m³

Solvent naphtha (petroleum), light arom. (64742-95-6)	
DNEL/DMEL (Workers)	
Acute - systemic effects, inhalation	1300 mg/m³
Acute - local effects, inhalation	1100 mg/m³
Long-term - local effects, inhalation	840 mg/m³

Solvent naphtha (petroleum), light arom. (64742-95-6)	
DNEL/DMEL (General population)	
Acute - systemic effects, inhalation	1200 mg/m³
Acute - local effects, inhalation	640 mg/m³
Long-term - local effects, inhalation	180 mg/m³

propan-2-ol (67-63-0)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	888 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	500 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	26 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	89 mg/m³
Long-term - systemic effects, dermal	319 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	140.9 mg/l
PNEC aqua (marine water)	140.9 mg/l
PNEC aqua (intermittent, freshwater)	140.9 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	552 mg/kg dwt
PNEC sediment (marine water)	552 mg/kg dwt
PNEC (Soil)	
PNEC soil	28 mg/kg dwt
PNEC (Oral)	
PNEC oral (secondary poisoning)	160 mg/kg
PNEC (STP)	
PNEC sewage treatment plant	2251 mg/l

acetone (67-64-1)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	2420 mg/m³
Long-term - systemic effects, dermal	186 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	1210 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	62 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	200 mg/m³
Long-term - systemic effects, dermal	62 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	10.6 mg/l
PNEC aqua (marine water)	1.06 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	30.4 mg/kg dwt
PNEC sediment (marine water)	3.04 mg/kg dwt
PNEC (Soil)	
PNEC soil	29.5 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	100 mg/l

2-methoxy-1-methylethyl acetate (108-65-6)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	796 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	275 mg/m³
Long-term - local effects, inhalation	550 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	36 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	33 mg/m³
Long-term - systemic effects, dermal	320 mg/kg bodyweight/day
Long-term - local effects, inhalation	33 mg/m³
PNEC (Water)	
PNEC aqua (freshwater)	0.635 mg/l
PNEC aqua (marine water)	0.064 mg/l
PNEC aqua (intermittent, freshwater)	6.35 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	3.29 mg/kg dwt
PNEC sediment (marine water)	0.329 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.29 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	100 mg/l

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	44 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	330 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	26 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	71 mg/m³
Long-term - systemic effects, dermal	26 mg/kg bodyweight/day

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection:

In case of repeated or prolonged contact wear gloves. Nitrile rubber. EN 374. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Gloves must be replaced after each use and whenever signs of wear or perforation appear

Eye protection:

Use splash goggles when eye contact due to splashing is possible. EN 166

Skin and body protection:

Wear suitable protective clothing. EN 340. EN 13034

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Filter A (colour code: brown). EN 143. . Breathing equipment is only to be used in order to handle the residual risk of short term jobs if all other risk minimizing measures have been carried out e.g. retention and/or local exhaust

Environmental exposure controls:

Avoid release to the environment.

Other information:

Do not eat, drink or smoke when using this product. Avoid contact with skin and eyes. Always wash hands after handling the product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Silver.
Odour	: characteristic.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: 78 °C
Flash point	: 12 °C
Auto-ignition temperature	: 180 °C
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: 58.7 hPa (20 °C)
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 0.9 g/cm³ (20 °C)
Solubility	: No data available
Log Pow	: Not applicable
Viscosity, kinematic	: 40 Seconds (20 °C; DIN 53211/4)
Viscosity, dynamic	: No data available
Explosive properties	: Product is not explosive. Explosive vapour/air mixtures may be formed.
Oxidising properties	: No data available
Lower explosive limit (LEL)	: 1.2 vol %
Upper explosive limit (UEL)	: 15 vol %

9.2. Other information

VOC content	: 67.99 %

SECTION 10: Stability and reactivity

10.1. Reactivity

Highly flammable liquid and vapour.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

ATE CLP (dermal)	15514.81 mg/kg bodyweight

reaction mass of ethylbenzene and xylene	
LD50 oral rat	3523 mg/kg (EU Method B.1)
LD50 dermal rabbit	1000 - 2000 mg/kg
LC50 inhalation rat (Vapours - mg/l/4h)	6350 ppm/4h (EU Method B.2)

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure : May cause drowsiness or dizziness.
STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

reaction mass of ethylbenzene and xylene	
NOAEL (oral, rat, 90 days)	150 mg/kg bodyweight/day (OECD 408 method)

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.
Acute aquatic toxicity : Not classified (Based on available data, the classification criteria are not met)
Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

Solvent naphtha (petroleum), light arom. (64742-95-6)	
LC50 fish 1	8.2 mg/l (96h; Pimephales promelas; EPA 66013-75-009)
EC50 Daphnia 1	4.5 mg/l (48h; Daphnia magna; (OECD 202 method))
ErC50 (algae)	3.7 mg/l (96h; Pseudokirchneriella subcapitata; (OECD 201 method))
NOEC chronic crustacea	2.6 mg/l (21d; Daphnia magna; (OECD 211 method))

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	
LC50 fish 1	10 - 30 mg/l (72h)
EC50 Daphnia 1	10 - 22 mg/l (OECD 202 method)
NOEC (chronic)	0.097 mg/l (OECD 211 method)
NOEC chronic fish	0.13 mg/l (QSAR; 28 d; Oncorhynchus mykiss)

12.2. Persistence and degradability

QUIXX Rim Paint "Silver"	
Persistence and degradability	The product has not been tested.

n-butyl acetate (123-86-4)	
Persistence and degradability	Readily biodegradable.
Biodegradation	83 % (28 d; (OECD 301D method))

reaction mass of ethylbenzene and xylene	
Persistence and degradability	Readily biodegradable.

Ethanol (64-17-5)	
Persistence and degradability	Readily biodegradable.
Biodegradation	84 % (20 d)

propan-2-ol (67-63-0)	
Persistence and degradability	Readily biodegradable.
Biodegradation	53 % (5 d)

acetone (67-64-1)	
Persistence and degradability	Readily biodegradable.
Biodegradation	90.9 % (28 d; (OECD 301B method))

2-methoxy-1-methylethyl acetate (108-65-6)	
Persistence and degradability	Readily biodegradable.
Biodegradation	90 - 99 % (28 d; (OECD 301F method))

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	
Persistence and degradability	Readily biodegradable.

12.3. Bioaccumulative potential

QUIXX Rim Paint "Silver"	
Log Pow	Not applicable
Bioaccumulative potential	The product has not been tested.

n-butyl acetate (123-86-4)	
Bioconcentration factor (BCF REACH)	15 (Calculation method)
Log Pow	2.3 (25 °C; (OECD 117 method))
Bioaccumulative potential	Slightly bioaccumulative.

reaction mass of ethylbenzene and xylene	
Log Pow	3.12 - 3.2

Ethanol (64-17-5)	
Log Kow	-0.35 (24 °C)
Bioaccumulative potential	Bioaccumulation unlikely.

propan-2-ol (67-63-0)	
Log Pow	0.05
Bioaccumulative potential	Bioaccumulation unlikely.

acetone (67-64-1)	
Bioconcentration factor (BCF REACH)	3 (calculated value)
Log Pow	-0.23 Quantitative structure-activity relationship (QSAR)
Bioaccumulative potential	No additional information available.

2-methoxy-1-methylethyl acetate (108-65-6)	
Log Pow	1.2 (20 °C; pH 6.8; (OECD 117 method))
Bioaccumulative potential	Bioaccumulation unlikely.

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	
Log Pow	3.7 - 6.7
Bioaccumulative potential	bioaccumulative.

12.4. Mobility in soil

QUIXX Rim Paint "Silver"	
Ecology - soil	The product has not been tested.

n-butyl acetate (123-86-4)	
Surface tension	61.3 mN/m (20 °C; (OECD 115 method))
Log Koc	1.268 - 1.844 (Quantitative structure-activity relationship (QSAR))
Ecology - soil	Product adsorbs little onto the soil.

Ethanol (64-17-5)	
Surface tension	22.31 mN/m (20 °C)

propan-2-ol (67-63-0)	
Ecology - soil	Expected to be highly mobile in soil.

acetone (67-64-1)	
Surface tension	23.3 mN/m (20 °C)
Ecology - soil	No additional information available.

2-methoxy-1-methylethyl acetate (108-65-6)	
Surface tension	29.4 mN/m (20 °C)

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	
Ecology - soil	No additional information available.

12.5. Results of PBT and vPvB assessment

QUIXX Rim Paint "Silver"
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Component	
n-butyl acetate (123-86-4)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Ethanol (64-17-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
aluminium powder (stabilised) (7429-90-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Naphtha (petroleum), hydrotreated heavy (64742-48-9)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
propan-2-ol (67-63-0)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

acetone (67-64-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
2-methoxy-1-methylethyl acetate (108-65-6)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) (64742-82-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Solvent naphtha (petroleum), light arom. (64742-95-6)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
reaction mass of ethylbenzene and xylene ()	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Disposal must be done according to official regulations. European waste catalogue. Do not dispose of with domestic waste. Do not discharge into drains or the environment.

Additional information : Flammable vapours may accumulate in the container.

European List of Waste (LoW) code : 08 01 11* - waste paint and varnish containing organic solvents or other dangerous substances
15 01 01 - paper and cardboard packaging
15 01 10* - packaging containing residues of or contaminated by dangerous substances
20 01 27* - paint, inks, adhesives and resins containing dangerous substances
20 01 40 - metals
20 01 01 - paper and cardboard

HP Code : HP3 - “Flammable:”
— flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C;
— flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air;
— flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;
— flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa;
— water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;
— other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.
HP5 - “Specific Target Organ Toxicity (STOT)/Aspiration Toxicity:” waste which can cause specific target organ toxicity either from a single or repeated exposure, or which cause acute toxic effects following aspiration.
HP14 - “Ecotoxic:” waste which presents or may present immediate or delayed risks for one or more sectors of the environment

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

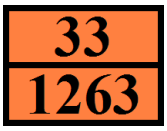
ADR	IMDG	IATA	ADN	RID
14.1. UN number				
1263	1263	1263	1263	1263
14.2. UN proper shipping name				
PAINT	PAINT	Paint	PAINT	PAINT
Transport document description				
UN 1263 PAINT, 3, II, (D/E)	UN 1263 PAINT, 3, II	UN 1263 Paint, 3, II	UN 1263 PAINT, 3, II	UN 1263 PAINT, 3, II
14.3. Transport hazard class(es)				
3	3	3	3	3

				
14.4. Packing group				
II	II	II	II	II
14.5. Environmental hazards				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
No supplementary information available				

14.6. Special precautions for user

Overland transport

Classification code (ADR) : F1
Special provisions (ADR) : 163, 367, 640D, 650
Limited quantities (ADR) : 5l
Excepted quantities (ADR) : E2
Transport category (ADR) : 2
Hazard identification number (Kemler No.) : 33
Orange plates :



Tunnel restriction code (ADR) : D/E
EAC code : •3YE

Transport by sea

Special provisions (IMDG) : 163, 367
Limited quantities (IMDG) : 5 L
Excepted quantities (IMDG) : E2
EmS-No. (Fire) : F-E
EmS-No. (Spillage) : S-E

Air transport

PCA Excepted quantities (IATA) : E2
PCA Limited quantities (IATA) : Y341
PCA limited quantity max net quantity (IATA) : 1L
PCA packing instructions (IATA) : 353
PCA max net quantity (IATA) : 5L
CAO max net quantity (IATA) : 60L
Special provisions (IATA) : A3, A72, A192

Inland waterway transport

Classification code (ADN) : F1
Special provisions (ADN) : 163, 367, 640D, 650
Limited quantities (ADN) : 5 L
Excepted quantities (ADN) : E2

Rail transport

Classification code (RID) : F1
Special provisions (RID) : 163, 367, 640D, 650
Limited quantities (RID) : 5L
Excepted quantities (RID) : E2
Transport category (RID) : 2
Hazard identification number (RID) : 33

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:	
3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	n-butyl acetate - Naphtha (petroleum), hydrotreated heavy - acetone - 2-methoxy-1-methylethyl acetate - Solvent naphtha (petroleum), light arom.
3(a) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F	QUIXX Rim Paint "Silver" - n-butyl acetate - Ethanol - Naphtha (petroleum), hydrotreated heavy - propan-2-ol - acetone - 2-methoxy-1-methylethyl acetate - Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) - Solvent naphtha (petroleum), light arom. - reaction mass of ethylbenzene and xylene
3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	Ethanol - Naphtha (petroleum), hydrotreated heavy - propan-2-ol - acetone - Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) - Solvent naphtha (petroleum), light arom. - reaction mass of ethylbenzene and xylene
3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1	QUIXX Rim Paint "Silver" - Naphtha (petroleum), hydrotreated heavy - Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) - Solvent naphtha (petroleum), light arom.
28. Substances which are classified as carcinogen category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 1 or Appendix 2, respectively.	Naphtha (petroleum), hydrotreated heavy
29. Substances which are classified as germ cell mutagen category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 3 or Appendix 4, respectively.	Naphtha (petroleum), hydrotreated heavy
40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.	n-butyl acetate - Ethanol - aluminium powder (stabilised) - Naphtha (petroleum), hydrotreated heavy - propan-2-ol - acetone - 2-methoxy-1-methylethyl acetate - Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) - reaction mass of ethylbenzene and xylene

Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

VOC content : 67.99 %

Other information, restriction and prohibition regulations : Take note of Directive 94/33/EC on the protection of young people at work.

Seveso III Part I (Categories of dangerous substances)	**Qualifying quantity (tonnes)**	
	Lower-tier	**Upper-tier**
P5c FLAMMABLE LIQUIDS Flammable liquids, Categories 2 or 3 not covered by P5a and P5b	5000	50000

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor

CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
TLM	Median Tolerance Limit
vPvB	Very Persistent and Very Bioaccumulative

Data sources : Information provided by the manufacturer. MSDSs of the suppliers. ECHA (European Chemicals Agency).

Department issuing data specification sheet: : KFT Chemieservice GmbH
Im Leuschnerpark. 3 64347 Griesheim
Postfach 1451 64345 Griesheim
Germany

Phone: +49 6155-8981-400 Fax: +49 6155 8981-500
Safety Data Sheet Service: +49 6155 8981-522

Contact person : Dr. Sandra Burkhard

Full text of H- and EUH-statements:	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 1	Flammable liquids, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Flam. Sol. 1	Flammable solids, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
Water-react. 2	Substances and Mixtures which, in contact with water, emit flammable gases, Category 2

H224	Extremely flammable liquid and vapour.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H228	Flammable solid.
H261	In contact with water releases flammable gases.
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.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Flam. Liq. 2	H225	On basis of test data
STOT SE 3	H336	Calculation method
Aquatic Chronic 3	H412	Calculation method

KFT SDS EU 11

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product