

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Commercial Product Name: FINALUX-Decklack 812
Quality No.: 81200356G7000

Revision Date 02.11.2018
Print Date 02.11.2018
Version 2

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

1.1 Product identifier

Trade name : FINALUX-Decklack 812 356G karminrot seidenglänzend

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

Use of the Substance/Mixture : Industrial serial painting

1.3 Details of the supplier of the safety data sheet

Producer : Mankiewicz Gebr. & Co. (GmbH & Co. KG)
Georg-Wilhelm-Strasse 189
21107 Hamburg
Germany

Telephone : +49 (0) 40 75103 0
Telefax : +49 (0) 40 75103 375
E-mail address : sdb_info@umco.de

1.4 Emergency telephone number

Emergency telephone number : +49 (0) 551 / 19240 (Toxic agent information centre North /
NORD)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 3 H226: Flammable liquid and vapour.
Specific target organ toxicity - single exposure, Category 3, Central nervous system H336: May cause drowsiness or dizziness.
Long-term (chronic) aquatic hazard, Category 2 H411: Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



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Signal word	:	Warning	
Hazard statements	:	H226 H336 H411	Flammable liquid and vapour. May cause drowsiness or dizziness. Toxic to aquatic life with long lasting effects.
Supplemental Hazard Statements	:	EUH066	Repeated exposure may cause skin dryness or cracking.
Precautionary statements	:	Prevention: P210 P261 P273 Response: P303 + P361 + P353 P304 + P340 + P312 P370 + P378	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Avoid release to the environment. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Hazardous components which must be listed on the label:

64742-82-1	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)
64742-95-6	Hydrocarbons, C9, aromatics
1330-20-7	xylene
123-86-4	n-butyl acetate
107-98-2	1-methoxy-2-propanol

Additional Labelling:

Contains: 2-butanone oxime and Fatty acids, C6-19-branched, cobalt(2+) salts
May produce an allergic reaction.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Mixture of synthetic resins, organic solvents and pigments

Hazardous components

Chemical name CAS-No.	Classification (REGULATION (EC))	Concentration [%]
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EC-No. Registration number Remarks	No 1272/2008)	
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) 64742-82-1 919-446-0 01-2119458049-33	Flam. Liq. 3; H226 STOT SE 3; H336 Asp. Tox. 1; H304 Aquatic Chronic 2; H411	>= 12,5 - < 20
Hydrocarbons, C9, aromatics 64742-95-6 01-2119455851-35	Flam. Liq. 3; H226 STOT SE 3; H335, H336 Asp. Tox. 1; H304 Aquatic Chronic 2; H411	>= 10 - < 12,5
xylene 1330-20-7 215-535-7 01-2119488216-32 Note C	Flam. Liq. 3; H226 Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 Asp. Tox. 1; H304 STOT RE 2; H373	>= 5 - < 10
ethylbenzene 100-41-4 202-849-4 01-2119489370-35	Flam. Liq. 2; H225 Acute Tox. 4; H332 STOT RE 2; H373 Asp. Tox. 1; H304 Aquatic Chronic 3; H412	>= 1 - < 5
2-butanone oxime 96-29-7 202-496-6 01-2119539477-28	Flam. Liq. 3; H226 Acute Tox. 4; H312 Eye Dam. 1; H318 Skin Sens. 1; H317 Carc. 2; H351	>= 0,25 - < 0,5
Fatty acids, C6-19-branched, cobalt(2+) salts 68409-81-4 270-066-5	Acute Tox. 4; H302 Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Chronic 2; H411	>= 0,1 - < 0,25
Substances with a workplace exposure limit :		
n-butyl acetate 123-86-4 204-658-1 01-2119485493-29	Flam. Liq. 3; H226 STOT SE 3; H336	>= 1 - < 5
1-methoxy-2-propanol 107-98-2 203-539-1 01-2119457435-35	Flam. Liq. 3; H226 STOT SE 3; H336	>= 1 - < 5



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SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : In all cases of doubt, or when sickness symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.
- If inhaled : Remove to fresh air, keep patient warm and at rest.
Irregular breathing/no breathing: artificial respiration.
If unconscious place in recovery position and seek medical advice.
- In case of skin contact : Take off all contaminated clothing immediately.
Wash skin thoroughly with soap and water or use recognised skin cleanser.
Do NOT use solvents or thinners !
- In case of eye contact : Remove contact lenses, irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.
- If swallowed : Do NOT induce vomiting.
If accidentally swallowed obtain immediate medical attention.
Never give anything by mouth to an unconscious person.
Keep at rest.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Alcohol resistant foam, CO2, powders, water spray
- Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

- Specific hazards during firefighting : 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 : Appropriate breathing apparatus may be required.
- Further information : Cool endangered containers with water in case of fire.
DO NOT ALLOW RUN-OFF FROM FIRE FIGHTING TO ENTER



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DRAINS OR WATER COURSES!!

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Exclude sources of ignition and ventilate the area.
Do not inhale vapours.
Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions

Environmental precautions : Do not let product enter drains.
If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up

Methods 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 chapter 13).
Clean preferably with a detergent; avoid use of solvents.

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the occupational exposure limits.
Comply with the health and safety at work laws.
Smoking, eating and drinking should be prohibited in the application area.
Observe specific national regulations for handling and use of paints.

Advice on protection against fire and explosion : The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use earthing leads when transferring from one container to another. Operators should wear anti-static footwear and clothing. No sparking tools should be used. Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Electrical equipment should be protected to the appropriate standard. Floors should be of the conducting type. Keep container tightly closed. Never use pressure to empty: container is not a pressure vessel. No smoking. Prevent unauthorized access. Containers which

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are opened must be carefully resealed and kept upright to prevent leakage.

Further information on storage conditions : Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight. Keep container dry in a cool, well-ventilated place.

Advice on common storage : Keep away from oxidizing agents and strongly acid or alkaline materials.

Storage temperature : 5 - 35 °C

7.3 Specific end use(s)

Specific use(s) : This information is not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

CAS-No.	Source	Value	Ceiling Limit Value	Update
xylene				
1330-20-7	2000/39/EC	50 ml/m3 221 mg/m3		08.06.2000
Further information:	Skin			
xylene				
1330-20-7	Maximum Exposure Limits (MELs) / EH40	50 ml/m3 220 mg/m3		16.02.2016
Further information:	Sk			
n-butyl acetate				
123-86-4	List of approved workplace exposure limits (WELs) / EH40	150 ml/m3 724 mg/m3		December 2011
1-methoxy-2-propanol				
107-98-2	2000/39/EC	100 ml/m3 375 mg/m3		08.06.2000
Further information:	Skin			
1-methoxy-2-propanol				
107-98-2	List of approved workplace exposure limits (WELs) / EH40	100 ml/m3 375 mg/m3		01.09.2003
Further information:	Sk			
ethylbenzene				
100-41-4	2000/39/EC	100 ml/m3 442 mg/m3		08.06.2000
Further information:	Skin			



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ethylbenzene				
100-41-4	List of approved workplace exposure limits (WELs) / EH40	100 ml/m3 441 mg/m3		30.12.2015
Further information:	Sk			
Fatty acids, C6-19-branched, cobalt(2+) salts				
68409-81-4	Maximum Exposure Limits (MELs) / EH40	0,1 mg/m3 (Cobalt)		01.09.2003

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

xylene : End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 221 mg/m3
End Use: Workers
Exposure routes: Dermal
Potential health effects: Long-term systemic effects
Value: 212 mg/kg bw/day
End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 65,3 mg/m3
End Use: Consumers
Exposure routes: Dermal
Potential health effects: Long-term systemic effects
Value: 125 mg/kg bw/day
End Use: Consumers
Exposure routes: Oral
Potential health effects: Long-term systemic effects
Value: 12,5 mg/kg bw/day

ethylbenzene : End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 77 mg/m3
End Use: Workers
Exposure routes: Dermal
Potential health effects: Long-term systemic effects
Value: 180 mg/kg bw/day
End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 15 mg/m3
End Use: Consumers
Exposure routes: Oral
Potential health effects: Long-term systemic effects
Value: 1,6 mg/kg bw/day

2-butanone oxime : End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 9 mg/m3
End Use: Workers
Exposure routes: Dermal
Potential health effects: Long-term systemic effects
Value: 1,3 mg/kg bw/day
End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects

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DE34 2003 0000 0059 2733 00
DE85 2001 0020 0000 3732 05

Sitz/Registriergericht Hamburg: HRA 42442
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Geschäftsführender Gesellschafter:
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n-butyl acetate : Value: 2,7 mg/m3
End Use: Consumers
Exposure routes: Dermal
Potential health effects: Long-term systemic effects
Value: 0,78 mg/kg bw/day
End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 300 mg/m3
End Use: Workers
Exposure routes: Dermal
Potential health effects: Long-term systemic effects
Value: 11 mg/kg bw/day
End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 35,7 mg/m3
End Use: Consumers
Exposure routes: Dermal
Potential health effects: Long-term systemic effects
Value: 554 mg/kg bw/day
End Use: Consumers
Exposure routes: Oral
Potential health effects: Long-term systemic effects
Value: 2 mg/kg bw/day
End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 369 mg/m3
End Use: Workers
Exposure routes: Dermal
Potential health effects: Long-term systemic effects
Value: 183 mg/kg bw/day
End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 43,9 mg/m3
End Use: Consumers
Exposure routes: Dermal
Potential health effects: Long-term systemic effects
Value: 78 mg/kg bw/day
End Use: Consumers
Exposure routes: Oral
Potential health effects: Long-term systemic effects
Value: 33 mg/kg bw/day

1-methoxy-2-propanol : Value: 2,7 mg/m3
End Use: Consumers
Exposure routes: Dermal
Potential health effects: Long-term systemic effects
Value: 0,78 mg/kg bw/day
End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 300 mg/m3
End Use: Workers
Exposure routes: Dermal
Potential health effects: Long-term systemic effects
Value: 11 mg/kg bw/day
End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 35,7 mg/m3
End Use: Consumers
Exposure routes: Dermal
Potential health effects: Long-term systemic effects
Value: 554 mg/kg bw/day
End Use: Consumers
Exposure routes: Oral
Potential health effects: Long-term systemic effects
Value: 2 mg/kg bw/day
End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 369 mg/m3
End Use: Workers
Exposure routes: Dermal
Potential health effects: Long-term systemic effects
Value: 183 mg/kg bw/day
End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 43,9 mg/m3
End Use: Consumers
Exposure routes: Dermal
Potential health effects: Long-term systemic effects
Value: 78 mg/kg bw/day
End Use: Consumers
Exposure routes: Oral
Potential health effects: Long-term systemic effects
Value: 33 mg/kg bw/day

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

xylene : Fresh water
Value: 0,327 mg/l
Marine water
Value: 0,327 mg/l
Fresh water sediment
Value: 12,46 mg/kg dry weight (d.w.)
Marine sediment
Value: 12,46 mg/kg dry weight (d.w.)
Sewage treatment plant
Value: 6,58 mg/l
Soil
Value: 2,31 mg/kg dry weight (d.w.)

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ethylbenzene	: Fresh water Value: 0,1 mg/l Marine water Value: 0,01 mg/l Fresh water sediment Value: 13,7 mg/kg dry weight (d.w.) Marine sediment Value: 1,37 mg/kg dry weight (d.w.) Sewage treatment plant Value: 9,6 mg/l Soil Value: 2,68 mg/kg dry weight (d.w.)
2-butanone oxime	: Fresh water Value: 0,256 mg/l Sewage treatment plant Value: 177 mg/l
n-butyl acetate	: Fresh water Value: 0,18 mg/l Marine water Value: 0,0018 mg/l Fresh water sediment Value: 0,981 mg/kg dry weight (d.w.) Marine sediment Value: 0,098 mg/kg dry weight (d.w.) Sewage treatment plant Value: 35,6 mg/l Soil Value: 0,09 mg/kg dry weight (d.w.)
1-methoxy-2-propanol	: Fresh water Value: 10 mg/l Marine water Value: 1 mg/l Fresh water sediment Value: 52,3 mg/kg dry weight (d.w.) Marine sediment Value: 5,2 mg/kg dry weight (d.w.) Sewage treatment plant Value: 100 mg/l Soil Value: 4,59 mg/kg dry weight (d.w.)

8.2 Exposure controls

Engineering measures

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 aerosol- and solvent vapours concentration below the OEL, suitable respiratory protection must be worn.

Personal protective equipment

Eye protection : Wear safety goggles to protect against solvent splashes.

Hand protection

Remarks : Adhere to the professional organisation rule "Use of protective gloves". Appropriate chemicals resistant glove tested in compliance with EN 374.

Recommendation for protection against components generally found in the products:



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For short-term contact (i.e. splash protection):

Appropriate material:

nitrile rubber, Neoprene

Material thickness: > 0,4 mm

Breakthrough time: > 480 min

Before use, the protective glove should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Preventive hand protection (skin protection cream) recommended. Wash immediately contaminated skin. Design operations thus to avoid permanent use of protective gloves.

- Skin and body protection** : Personal should wear antistatic clothings made of natural fiber or offhigh temperature resistant synthetic fiber. All parts of the body shouldbe washed after contact.
- Respiratory protection** : If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators.Use half-mask model with cartridge or air-fed.Dry grinding, torch cutting and/or welding however can produce hazardous dust and/or vapour.If possible, machine employing a wet medium.Where practicable, install exhaust hoods to improve capture of vapours and fumes and avoid exposition; otherwise wear respiratory protection equipment.
- Protective measures** : Do not eat or drink during work - no smoking.Avoid product contact with skin, eyes and clothing.Avoid the inhalation of dust from sanding, particulates and spray mist arising from the application of this preparation.When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance : liquid
Colour : according product name
Odour : characteristic
Boiling point/boiling range : ca. 120 °C
- Flash point : 35 °C
Method: ISO 13736
- Upper explosion limit : 10 %(V)

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Lower explosion limit : 1 %(V)
Vapour pressure : ca. 100 hPa (50 °C)
Density : ca. 1,2 g/cm3 (20 °C)
Water solubility : insoluble
Auto-ignition temperature : > 400 °C
Viscosity
Flow time : 91 s
Cross section: 4 mm
Method: DIN 53211
61 s
Cross section: 6 mm
Method: ISO 2431

9.2 Other information

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.
There are no data available on the preparation itself.

10.4 Conditions to avoid

Conditions to avoid : Stable under recommended storage and handling conditions (See section 7).

10.5 Incompatible materials

Materials to avoid : Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.6 Hazardous decomposition products

Hazardous decomposition products : When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product:

Acute inhalation toxicity : Acute toxicity estimate : > 20 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate : > 2.000 mg/kg
Method: Calculation method

Components:

xylene, xylene :

Acute oral toxicity : LD50 (Rat): 4.300 mg/kg

Further information

Product:

Remarks: Exposure of vapour concentration in excess of the stated OEL's may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue muscular weakness, drowsiness and in extrem cases, loss of consciousness., 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., The liquid splashed in the eyes may cause irritation and reversible damage.

SECTION 12: Ecological information

12.1 Toxicity

Product:

Ecotoxicology Assessment
Short-term (acute) aquatic hazard

: There are no data available on the preparation itself.

Components:

Hydrocarbons, C9, aromatics, Hydrocarbons, C9, aromatics:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 9,2 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 3,2 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae : ErC50 (Raphidocelis subcapitata (freshwater green alga)): 2,9 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201



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12.2 Persistence and degradability

Product:
Biodegradability : Remarks: There are no data available on the preparation itself.

12.3 Bioaccumulative potential

Product:
Bioaccumulation : Remarks: There are no data available on the preparation itself.

12.4 Mobility in soil

Product:
Mobility : Remarks: There are no data available on the preparation itself.

12.5 Results of PBT and vPvB assessment

Product:
Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

12.6 Other adverse effects

Product:
Additional ecological information : There are no data available on the preparation itself.

The product should not be allowed to enter drains or water courses.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : The listed waste code numbers, according to the European Waste Catalogue, are to be understood as a recommendation. A final decision must be made in agreement with the regional waste disposal company.

Contaminated packaging : Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

Waste key for the unused product : 080111 waste paint and varnish containing organic solvents or other dangerous substances

SECTION 14: Transport information

14.1 UN number

ADR : UN 1263
IMDG : UN 1263

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



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IATA : UN 1263

14.2 UN proper shipping name

ADR : PAINT

IMDG : PAINT

IATA : PAINT

14.3 Transport hazard class(es)

ADR : 3

IMDG : 3

IATA : 3

14.4 Packing group

ADR

Packing group : III
Classification Code : F1
Hazard Identification Number : 30
Labels : 3
Tunnel restriction code : (D/E)
Special Provisions : Special Provision 640E

IMDG

Packing group : III
Labels : 3
EmS Code : F-E, S-E

IATA

Packing instruction (cargo aircraft) : 366
Packing instruction (passenger aircraft) : 355
Packing group : III
Labels : Flammable Liquids

14.5 Environmental hazards

ADR

Environmentally hazardous : yes

IMDG

Marine pollutant : yes(Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%), Hydrocarbons, C9, aromatics)

14.6 Special precautions for user

Remarks : If transported within the user's premises: To be transported always in closed, upright and safe containers. Make sure that persons handling these containers are aware of the rules of conduct in case of incident or spillage.

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

Not applicable for product as supplied.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

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SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High Concern : Not applicable
for Authorisation (Article 59).

Directive 2010/75/EU of 24 : VOC content excluding water 43 %
November 2010 on industrial emissions (integrated pollution 516 g/l
prevention and control)

Other regulations : The information given in this material safety data sheet does not
release the user from its duty of risk assessment and control in the
work place defined in other health and safety law.
Adhere to the national sanitary and occupational safety regulations
when using this product.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for the mixture.

SECTION 16: Other information

Full text of H-Statements

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
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.
Acute Tox.	Acute toxicity
Aquatic Chronic	Long-term (chronic) aquatic hazard
Asp. Tox.	Aspiration hazard
Carc.	Carcinogenicity
Eye Dam.	Serious eye damage
Eye Irrit.	Eye irritation
Flam. Liq.	Flammable liquids
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.

Further information

Mankiewicz Gebr. & Co. (GmbH & Co. KG)
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Deutsche Bank	Hamburg	600227300	200 700 00	DEUTDE33HAN	DE58 2007 0000 0600 2273 00
HypoVereinsbank	Hamburg	59273300	200 300 00	HYVEDE33HAN	DE34 2003 0000 0059 2733 00
Postbank	Hamburg	373205	200 100 20	PBNKDE33HAN	DE85 2001 0020 0000 3732 05

Sitz/Registriergericht Hamburg: HRA 42442
Persönlich haftende Gesellschafterin:
Grau Gebr. Beteiligungs-GmbH
Sitz/Registriergericht Hamburg: HRB 17189
Geschäftsführender Gesellschafter:
Michael O. Grau

Bureau Veritas
Certification:
ISO 9001,
TS 16949,
EN 9100



