

Manufacturer : MANKIEWICZ Gebr. & Co. D-21107 Hamburg
Product number : 8120070317000
Trade name : FINALUX-Decklack 812 7031 blaugrau
Printing date : 22.01.03 Reviewed on : 18.12.99 Page : 1/ 8

01. Identification of substance, preparation and company

Product name:

FINALUX-Decklack 812 7031 blaugrau
seidenglänzend

Manufacturer/Supplier

MANKIEWICZ GEBR. & CO.

Street/P.O.Box

Georg-Wilhelm-Str. 189

Country code/Postal code/Town/City

D-21107 Hamburg

Telephone / Telefax

telephone: 0049 40 / 75 10 30

telefax : 0049 40 / 75 90 76

Emergency information

telephone: 0049 40 / 41 92 13 00 (UMCO Umwelt Consult GmbH)

02. Composition/information on ingredients

Chemical characterization

Binder: alkyd resin

Hazardous components

BARIUM SULPHATE

Concentration : 10 - 15 % CAS number : 7727-43-7

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.

Concentration : 10 - 15 % CAS number : 64742-95-6

Symbol : Xn N R : 10-37-51/53-65

N-BUTYL ACETATE

Concentration : 5 - 10 % CAS number : 123-86-4
R : 10

KYLENE

Concentration : 5 - 10 % CAS number : 1330-20-7

Symbol : Xn R : 10-20/21-38

ETHYLBENZENE

Concentration : 1 - 5 % CAS number : 100-41-4

Symbol : F Xn R : 11-20

03. Hazards identification

Hazard designation

No danger symbols

Particular information pertaining specific risk for human and environment

The hydrocarbons listed in chapter 2 contain in total not more than 0.1 %-b.w. of benzene.

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04. First-aid measures

General

In all cases of doubt, or when sickness symptoms persist, seek medical attention.

Never give anything by mouth to an unconscious person.

Immediately remove all contaminated clothing.

After inhalation

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.

After skin contact

Wash skin thoroughly with soap and water or use recognised skin cleanser.

Do NOT use solvents or thinners !

After eye contact

Remove contact lenses, irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.

After ingestion

Keep at rest.

Do not induce vomiting - call a physician.

05. Fire-fighting measures

Suitable extinguishing media

Alcohol resistant foam, CO₂, powders, water spray

Unsuitable extinguishing media

Waterjet

Special risk posed by the substance or by the actual preparation, its combustion products or gases discharged

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

Special protective equipment

When extinguishing fires, use breathing apparatus with an independent source of air.

Additional information

Cool endangered containers with water in case of fire.

DO NOT ALLOW RUN-OFF FROM FIRE FIGHTING TO ENTER DRAINS OR WATER COURSES

06. Accidental release measures

Personal precautions

Exclude sources of ignition and ventilate the area.

Avoid breathing vapours.

Refer to protective measures listed in sections 7 and 8.

Environmental precautions

Do not allow to enter drains or watercourses..

If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

Material Safety Data Sheet

according to 91/155/EC

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Methods for cleaning up/collecting

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).

Clean preferably with a detergent; avoid use of solvents.

07. Handling and storage**Information for safe handling**

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the occupational exposure limits.

In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded.

Electric equipment should be protected to the appropriate standard. Observe specific national regulations for handling and use of paints.

Information about protection against explosions and fires

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

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.

Requirements to be met by storerooms 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 are opened must be carefully resealed and kept upright to prevent leakage.

Information about separation of incompatible products

Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.

Further information about 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 containers dry and cool.

08. Exposure controls and personal protection**Additional information about 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 concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

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Components with critical values that require monitoring at the workplace (exposure limits)

BARIUM SULPHATE		CAS: 7727-43-7	
Specification	: TLV		
Nation	: GB		
Value	: 10,0000	mg/m3	
Valid as per (mm/yy)	: 01 / 89		
HYDROCARBONS, AROMATIC			
Specification	: TLV		
Nation	: GB		
Value	: 50,0000	mg/m3	
Valid as per (mm/yy)	: 11 / 96		
N-BUTYL ACETATE		CAS: 123-86-4	
Specification	: STEL		
Nation	: GB		
Value	: 200,0000	ml/m3 / 950,0000	mg/m3
Valid as per (mm/yy)	: 01 / 89		
Specification	: TLV		
Nation	: GB		
Value	: 150,0000	ml/m3 / 710,0000	mg/m3
Valid as per (mm/yy)	: 01 / 89		
XYLENE		CAS: 1330-20-7	
Specification	: STEL		
Nation	: GB		
Value	: 150,0000	ml/m3 / 650,0000	mg/m3
Valid as per (mm/yy)	: 01 / 89		
Specification	: TLV		
Nation	: GB		
Value	: 100,0000	ml/m3 / 435,0000	mg/m3
Valid as per (mm/yy)	: 01 / 89		
1-METHOXY-2-PROPANOL		CAS: 107-98-2	
Specification	: TLV		
Nation	: GB		
Value	: 100,0000	ml/m3 / 360,0000	mg/m3
Valid as per (mm/yy)	: 01 / 89		
ETHYLBENZENE		CAS: 100-41-4	
Specification	: TLV		
Nation	: GB		
Value	: 100,0000	ml/m3 / 435,0000	mg/m3
Valid as per (mm/yy)	: 01 / 89		

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Personal protective equipment

General protective and hygiene measures

Do not eat or drink during work - no smoking.
 Produktkontakt mit Haut, Augen und Kleidung vermeiden.
 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.

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

Hand protection

For prolonged or repeated handling, use glove types like nitrile, neoprene or polyvinyl alcohol.
 Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

Eye protection

Wear safety goggles to protect against solvent splashes.

Body protection

Personal should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber. All parts of the body should be washed after contact.

09. Physical and chemical properties

Image

Form : liquid
 Colour : see trade name
 Odour : like arom.hydrocarb.

Relevant safety data

Change in condition

Melting point:		not applicable		
Boiling point:	(1013 hPa)	<	120 °C	
Flash point :			35 °C	DIN 53213
Ignition temperature :		ca	400 °C	
Explosion limits :				
Lower / Upper :		1 Vol% /	10 Vol%	
Vapour pressure :	(50 °C)	ca	100 hPa	
Density :	(20 °C)	>	1 g/cm ³	
Solubility in water :		insoluble		
Viscosity :				
Flow time:	(20 °C)	>	90 sec	DIN-cup 4 mm
Solvent-separation test	(20 °C)	<	3 x	

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10. Stability and reactivity

Conditions to avoid

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

Materials to avoid

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

Hazardous decomposition products

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

11. Toxicological information

Experience on practice:

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. Solvents may cause some of the above effects by absorption through the skin. 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.

Additional toxicological information

The product was classified in toxicological terms on the basis of the results of the calculation procedure outlined within General Directive on Preparations (88/379/EEC).

12. Ecological information

There are no data available on the preparation itself. For components which are dangerous for the environment see section 2.
The product should not be allowed to enter drains or water courses.

13. Disposal considerations

Product

Recommendation

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

Waste key:

00001 / 0801 02 = waste paints and varnish free of halogenated solvents

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Contaminated packagingRecommendation

Contaminated packaging must be emptied of all residues and, following appropriate cleaning, may be sent to a recycling plant. Uncleaned packaging must be disposed of in the same manner as the medium.

14. Transport informationLand transport ADR/RID and GGVs/GGVEClassification

Class 3, number 31c. Containers with a capacity ≤ 450 l are subject only to the regulations of Rn 2314 (remarks under E of Rn 2301).

Maritime transport IMDG/GGVSeaClassification

IMDG-Code	:	3.3	IMDG-Page	:	3372
UN-number	:	1263	MARPOL	:	P
MFAG-Table	:	310	EmS number	:	3-05

Technical name

PAINT

Packaging

Packaging group III
 Tremcard
 3

Air transport ICAO-TI and IATA-DGRClassification

ICAO/IATA Class	:	3
UN-number	:	1263

Technical name

PAINT

Packaging

Packaging group III
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15. Regulatory informationClassification according to EEC directives

Danger symbol and danger designation

No danger symbols

R-phrases

10 Flammable

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S-phrases

51 Use only in well-ventilated areas.
23.1 Do not breathe vapour/spray
38 In case of insufficient ventilation, wear suitable respiratory equipment

National regulatory information

16. Other information

Department issuing data specification sheet:

UMCO Umwelt Consult GmbH
telephone 0049 40 75103366
telefax 0049 40 75103257

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.