

# Hallmark Floors NuOil Top Coat

according to Regulation (EC) No. 1907/2006 (REACH) according to Regulation (EU) No 453/2010

Article No. 075-000-00005 NuOil Top Coat

Date of print: 8.24.2012 Revision Date: 5.11.2012 EN

Version: 000008.0002 Date of Issue: 5.11.2012 Page 1/14

## SECTION 1 - Identification of the substance/ preparation and of the company/undertaking

1.1 Product identifiers:

Article no. (manufacturer/supplier): 075-000-00005 Identification of the substance or preparation: NuOil Top Coat mat

colorless

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

Relevant identified uses
Maintenance agent

Coatings and paints, fillers, putties, thinners

1.3 Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/downstream user/distributor):

 Friedrich Klumpp GmbH
 Phone: +49 711 98184-310

 Dornbirner Str.23
 Fax: +49 711 850328

D-70469 Stuttgart E-Mail: sdb@klumpp-coatings.com

Dept. responsible for information:

Labor

E-mail (competent person): sdb@klumpp-coatings.com

1.4 Emergency telephone number

Emergency telephone: +86 (0)21 50463530

Only available during office hours. 8:30 am ~ 5:00pm (Beijin tme )

### **SECTION 2 - HAZARDOUS IDENTIFICATION**

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP):

This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 [CLP].

Aquatic Chronic 4 / H413 Hazardous to the aquatic environment: May cause long lasting harmful effects to

aquatic life.

Classification according to Directive 67/548/EEC or 1999/45/EC

The preparation is dangerous in the sense of Directive 1999/45/EC.

R53 May cause long-term adverse effects in the

aquatic environment.

R66 May cause long-term adverse effects in the

aquatic environment.



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# **SECTION 2 - HAZARDOUS IDENTIFICATION (CONT.)**

2.2 Label elements

The product is classified and labelled according to EC directives or corresponding national laws.

LABELLING (CLP)

Hazard pictograms:

Hazard statements:

H413 May cause long lasting harmful effects to aquatic life.

Safety precautions:

P273 Avoid release to the environment.

P501 Contents / container to carry industrial incinerator

contains:

Supplemental Hazard information (EU):

EUH066 Repeated exposure may cause skin dryness or cracking.
EUH208 Contains phthalic anhydride.May produce an allergic reaction.

LABELLING (67/548/EEC or 1999/45/EC)

Hazard statements:

53 66

Safety Precautions:

24 Avoid contact with skin.

In case of insufficient ventilation, wear suitable respiratory equipment.

Avoid release to the environment. Refer to special instructions / safety data sheet.

23 Do not breathe vapour

contains:

Special provisions concerning the labelling of certain mixtures:

99 Contains phthalic anhydride. May produce an allergic reaction.

2.3 Other Hazards



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## SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

chemical characterization (preparation)

Description: Coatings and paints, fillers, putties, thinners.

Hazardous ingredients:

Classification according to EC regulation 1272/2008 (CLP)

EC No: REACH No: % by weight CAS No.: Chemical name: Remark:

INDEX no.: classification:

918-167-1 01-2119472146-39 25-50

90622-57-4 C9-C12 iso-Alkane

Flam. Liq. 3 H226 / Acute Tox. 4 H332 / Asp. Tox. 1 H304 / Aquatic

Chronic 4 H413

918-481-9 01-2119457273-39 12,5 - 20

64742-48-9 Naphtha (petroleum), hydrotreated heavy

Asp. Tox. 1 H304

918-317-6 01-2119474196-32 12,5 - 20

64742-48-9 Naphtha (petroleum), hydrotreated heavy

Asp. Tox. 1 H304

201-607-5 < 0,5

85-44-9 phthalic anhydride

607-009-00-4 Acute Tox. 4 H302 / STOT SE 3 H335 / Skin Irrit. 2 H315 / Eye Dam. 1

H318 / Resp. Sens. 1 H334 / Skin Sens. 1 H317



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# SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS (CONT.)

Classification according to Directive 67/548/EEC or 1999/45/EC

EC No: REACH No: % by weight CAS No.: Identification of the hazard: Remark:

INDEX no.: classification:

918-167-1 01-2119472146-39 25-50

90622-57-4 C9-C12 iso-Alkane

Xn;; R65 / R66 / R53

918-481-9 01-2119457273-39

64742-48-9 Naphtha (petroleum), hydrotreated heavy 12,5 - 20

Xn;; R65 / R66

918-481-9

64742-48-9 Naphtha (petroleum), hydrotreated heavy 12,5 - 20

Xn;; R65 / R66

201-607-5

85-44-9 phthalic anhydride < 0,5

607-009-00-4 Xn;; R22 / Xi;; R37/38-41 / R42/43

Additional information

Full text of R-phrases: see section 16. Full text of H-phrases: see section 16.

## **SECTION 4 - FIRST-AID MEASURES**

# 4.1 Description of first aid measures:

#### General information:

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in unconscious position and seek medical advice.

#### After inhalation

Move victim to fresh air. Put victim at rest and keep warm. In case of irregular breathing or respiratory arrest provide artificial respiration.

#### In case of skin contact

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.



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# SECTION 4 - FIRST-AID MEASURES (CONT.)

4.1 In case of eye contact:

(cont). Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Seek medical advice.

After ingestion:

If swallowed, rinse mouth with water (only if the person is conscious). Consult physician immediately. Keep victim calm.

Do not induce vomiting.

In case of skin contact:

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap.

Do not use solvents or thinners.

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

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

4.3 Indication of any immediate medical attention and special treatment needed

## **SECTION 5 - FIREFIGHTING MEASURES**

Extinguishing media

Suitable extinguishing media:

Alcohol resistant foam, Carbon dioxide, Powder, spray mist, (water)

Extinguishing media which must not be used for safety reasons:

Strong water jet

5.2 Special exposure hazards arising from the substance or preparation itself, its combustion products or from

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

5.3 Special protective equipment for firefighters:

Provide a conveniently located respiratory protective device.

#### Additional information:

Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous.



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#### **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

#### 6.1 Personal precautions, protective equipment and emergency procedures

Keep away from sources of ignition. Ventilate affected area. Do not breathe vapours. See protective measures under point 7 and 8.

#### 6.2 Environmental measures

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

## 6.3 Methods and material for containment and cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see chapter 13). Clean using cleansing agents. Do not use solvents.

### 6.4 Reference to other sections

Observe protective provisions (see chapter 7 and 8).

## **SECTION 7 - HANDLING AND STORAGE**

Due to the content of organic solvents in the preparation:

#### 7.1 Precautions for safe handling

## Advices on safe handling

Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values. Onlyuse the material in places where open light, fire and other flammable sources can be kept away. Electrical equipment must be protected meeting the accepted standard. Keep away from heat sources, sparks and open flames. Use only spark proof tools. Avoid contact with skin, eyes and clothes. Do not inhale dusts, particulates and spray mist when using this preparation. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to chapter 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

#### Precautions against fire and explosion:

Vapours are heavier than air and will spread at floor level. Vapours form explosive mixtures with air.



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## SECTION 7 - HANDLING AND STORAGE (CONT.)

#### 7.2 Conditions for safe storage, including any incompatibilities

#### Requirements for storerooms and containers:

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

#### Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

#### Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 15 °C and 30 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

#### 7.3 Specific end use(s)

Observe technical data sheet. Observe instructions for use.

### SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

## 8.1 Control Parameters:

#### Additional information

TWA (EC): Occupational exposure limit value

STEL (EC): Short-term occupational exposure limit value

### 8.2 Exposure controls

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

#### OCCUPATIONAL EXPOSURE CONTROLS:

#### Respiratory protection:

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Use only respiratory protection equipment with CE-symbol including four digit test number.



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# SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION (CONT.)

### 8.2 Hand protection:

(cont.)

For prolonged or repeated handling the following glove material must be used: NBR (Nitrile rubber). Thickness of the glove material: > 0,4 mm;; Penetration time (maximum wearing period): > 480 min. Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles: DIN EN 374 Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

## Eye protection:

Wear closely fitting protective glasses in case of splashes.

### Body protection:

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

## Protective measures:

After contact clean skin thoroughly with water and soap oder use appropriate cleanser.

#### Environmental exposure controls

Do not allow to enter into surface water or drains, refer to chapter 7. No further action is necessary.

# **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

9.1 Information on basic physical and chemical properties

Appearance:

Physical state: liquid Color: refer to label Odor: characteristic



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# SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES (CONT.)

9.1	Safety relevant basis data		Unit	Method:	Remark
(cont.)					
	Flash Point (°C):	61	°C		
	Ignition temperature (AIT):	240	°C		
	Lower explosion limit:	0,8	Vol-%		
	Upper explosion limit:	7,0	Vol-%		
	Vapor pressure at 20 °C:	15.97	mbar		
	Density at 20 °C:	0.89	g/cm³		
	Water solubility (g/l):	insoluble			
	pH at 20 °C:	-			
	Viscosity at 20 °C	45 s 4 mm		DIN 53211	
	Solvent separation test (%):	<3	%		
	Solid content (%):	44	% by weight		
	Solvent content:				
	Organic solvents:	56	% by weight		
	Water:	0	% by weight		
9.2	Other information:				

### **SECTION 10 - STABILITY AND REACTIVITY**

10.1 Reactivity	
-----------------	--

10.2 Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7.

10.3 Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4 Conditions to avoid

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7. Hazardous decomposition byproducts may form with exposure to high temperatures.

10.5 Incompatible materials

10.6 Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.



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### **SECTION 11 - TOXICOLOGICAL INFORMATION**

No data on preparation itself available.

11.1 Information on toxicological effects

Acute toxicity

C9-C12 iso-Alkane oral, LD50, Rat:

#### Irritant and corrosive effects

Toxicological data are not available.

## Sensitisation

Toxicological data are not available.

### Specific target organ toxicity

Toxicological data are not available.

#### Aspiration hazard:

Toxicological data are not available.

## CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Toxicological data are not available.

# Practical experience

Other observations:

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: headache, dizziness, fatigue, amyosthenia, dizziness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

### Overall Assessment on CMR properties:

The components in this formulation do not meet the criteria for classification as CMR category 1 or 2. There is no information available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and has not been classified.



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### **SECTION 12 - ECOLOGICAL INFORMATION**

#### Overall evaluation:

There is no information available on the preparation itself .

Do not allow to enter into surface water or drains.

12.1 Toxicity

No information available.

Long-term Ecotoxicity

Toxicological data are not available.

12.2 Persistence and degradability

Toxicological data are not available.

12.3 Bioaccumulative potential

Toxicological data are not available.

Bioconcentration factor (BCF):

Toxicological data are not available.

12.4 Mobility in soil

Toxicological data are not available.

12.5 Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

10.6 Other adverse effects

# **SECTION 13 - DISPOSAL CONSIDERATIONS**

13.1 Waste treatment methods

Appropriate disposal / Product

Recommendation:

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to EC directives 75/442/EEC and 91/689/EEC in the corresponding versions, covering waste and dangerous waste.

Control report for waste code/ waste marking according to EAKV:

080111: waste paint and varnish containing organic solvents or other dangerous substances

Contaminated packaging:

Recommendation:

Cleaned containers may be recycled. Vessels not properly emptied are special waste.



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## **SECTION 14 - TRANSPORT INFORMATION**

No dangerous good in sense of these transport regulations

14.1 UN-No.:

14.2 UN proper shipping name

14.3 Transport hazard class(es)

14.4 Packing Group:

14.5 Environmental hazards:

Land transport (ADR/RID)

Marine pollutant:

14.6 Special precautions for user

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.

Advices on safe handling: see parts 6 - 8

Further remarks:

Land transport (ADR/RID)

Tunnel restriction code: -

Sea transport (IMDG)

EmS-No.:

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable



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## **SECTION 15 - REGULATORY INFORMATION**

No dangerous good in sense of these transport regulations

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

Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline).

VOC-value (in g/l) ISO 11890-2: 498 VOC-value (in g/l) ASTM D 2369: 498

#### according to EU-regulation 2004/42/EC (appendix II)

EU limit value for this product (cat. (Cat. A/i)): 600 g/l (2007) / 500 g/l (2010).

This product contains max 498 g/I VOC.

#### National regulations

#### Informations on working limitations:

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Giscode:

## Substance/product listed in the following inventories:

Canada: Listed in DOMESTIC SUBSTANCE LIST (DSL)

**IECSC (China):** All components of this product are included on the Chinese inventory or are not required to be listed on the Chinese inventory.

**USA**: Listed in TOXIC SUBSTANCES CONTROL ACT (TSCA)

### 15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this preparation were not carried out.



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## SECTION 16 - OTHER INFORMATION

Relevant R-and H-phrases (Number and full text):

Flam. Liq. 3 / H226 Flammable liquids: Flammable liquid and vapor.

Acute Tox. 4 / H332 Acute toxicity (inhalative): Harmful if inhaled.

Asp. Tox. 1 / H304 Aspiration hazard: May be fatal if swallowed and enters airways.

Aquatic Chronic 4 / H413 Hazardous to the aquatic environment: May cause long lasting harmful effects to aquatic life.

Acute Tox. 4 / H302 Acute toxicity (oral): Harmful if swallowed.

STOT SE 3 / H335 Specific target organ toxicity (single exposure): May cause respiratory irritation.

Skin Irrit. 2 / H315 Skin corrosion/irritation: Causes skin irritation.

Eye Dam. 1 / H318 Serious eye damage/eye irritation: Causes serious eye damage.

Resp. Sens. 1 / H334 Respiratory or skin sensitisation: May cause allergy or asthma symptoms or

breathing difficulties if inhaled.

Skin Sens. 1 / H317 Respiratory or skin sensitisation: May cause an allergic skin reaction.

Xn.; R22 Harmful Harmful if swallowed.

Xi;; R37/38-41 Irritant Irritating to respiratory system and skin. Risk of

serious damage to eyes.

R42/43 May cause sensitization by inhalation and

skin contact.

Xn;; R65 Harmful Harmful: may cause lung damage if swallowed.

Repeated exposure may cause skin dryness

or cracking.

R53 May cause long-term adverse effects in the

aquatic environment.

#### Further remarks:

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in chapter 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.

#### ANNEX

R66

At present, data / information on exposure scenarios are not available, so that an evaluation of the preparation cannot yet be made.