HARDWOOD | FINISH | NU OIL®

Hallmark Floors Nu Oil® Top Coat

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

Article No.	075-000-00005	Nu Oil® 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:		
1.1	Article no. (manufacturer/su	ıpplier):	075-000-00005
	Identification of the substar	nce or preparation:	Nu Oil® Top Coat
			mat
			colorless
1.2	Relevant identified uses of Relevant identified uses Maintenance agent	the substance or mixture and uses advised a	against
	Coatings and paints, fillers,	putties, thinners	
1.3	Details of the supplier of th	e safety data sheet	
		oorter/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 inforr	nation:	com
	Labor		
	E-mail (competent person):		
			sdb@klumpp-coatings.com
1.4	Emergency telephone num	ber	
	Emergency telephone:		+86 (0)21 50463530
	Only available during office	hours.	8:30 am ~ 5:00pm (Beijin tme)
SECT	ION 2 - HAZARDOUS	IDENTIFICATION	
2.1		nce or mixture E C regulation 1272/2008 (CLP): hazardous according to regulation (EC) No. 1	272/2008 [CLP].
	Aquatic Chronic 4 / H413	Hazardous to the aquatic environment:	May cause long lasting harmful effects to
			aquatic life.
	Classification according to I	Directive 67/548/EEC or 1999/45/EC	
	The preparation is dangerou	is in the sense of Directive 1999/45/EC.	
	R53	May cause long-term adverse effects in the aquatic environment.	e
	R66	May cause long-term adverse effects in the aquatic environment.	e

HARDWOOD | FINISH | NU OIL®

Hallmark Floors Nu Oil® Top Coat

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

Article No.	075-000-00005	Nu Oil® Top Coat	
Date of print:	8.24.2012	Revision Date: 5.11.2012	EN
Version:	000008.0002	Date of Issue: 5.11.2012	Page 2/14

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: Avoid release to the environment. P273 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:** Avoid contact with skin. 24 38 In case of insufficient ventilation, wear suitable respiratory equipment. 61 Avoid release to the environment. Refer to special instructions /safety 23 data sheet. contains: Do not breathe vapour Special provisions concerning the labelling of certain mixtures: 99 Contains phthalic anhydride. May produce an allergic reaction. 2.3 **Other Hazards**

HARDWOOD | FINISH | NU OIL®

Hallmark Floors Nu Oil® Top Coat

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

Article No.	075-000-00005	Nu Oil® Top Coat	
Date of print:	8.24.2012	Revision Date: 5.11.2012	EN
Version:	000008.0002	Date of Issue: 5.11.2012	Page 3/14

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: CAS No.: INDEX no.:	REACH No: Chemical name: classification:	% by weight Remark:
918-167-1 90622-57-4	01-2119472146-39 C9-C12 iso-Alkane Flam. Liq. 3 H226 / Acute Tox. 4 H332 / Asp. Tox. 1 H304 / Aquatic Chronic 4 H413	25-50
918-481-9 64742-48-9	01-2119457273-39 Naphtha (petroleum), hydrotreated heavy Asp. Tox. 1 H304	12,5 - 20
918-317-6 64742-48-9	01-2119474196-32 Naphtha (petroleum), hydrotreated heavy Asp. Tox. 1 H304	12,5 - 20
201-607-5 85-44-9 607-009-00-4	phthalic anhydride Acute Tox. 4 H302 / STOT SE 3 H335 / Skin Irrit. 2 H315 / Eye Dam. 1 H318 / Resp. Sens. 1 H334 / Skin Sens. 1 H317	< 0,5

HARDWOOD | FINISH | NU OIL®

Hallmark Floors Nu Oil® Top Coat

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

Article No.	075-000-00005	Nu Oil® Top Coat	
Date of print:	8.24.2012	Revision Date: 5.11.2012	EN
Version:	000008.0002	Date of Issue: 5.11.2012	Page 4/14

SECTION 3 - composition/information on ingredients (Cont.)

Classification accordin	g to Directive 67/548/EEC or 1999/45/EC	
EC No: CAS No.: INDEX no.:	REACH No: Identification of the hazard: classification:	% by weight Remark:
918-167-1 90622-57-4	01-2119472146-39 C9-C12 iso-Alkane Xn;; R65 / R66 / R53	25-50
918-481-9 64742-48-9	01-2119457273-39 Naphtha (petroleum), hydrotreated heavy Xn;; R65 / R66	12,5 - 20
918-481-9 64742-48-9	Naphtha (petroleum), hydrotreated heavy Xn;; R65 / R66	12,5 - 20
201-607-5 85-44-9 607-009-00-4	phthalic anhydride Xn;; R22 / Xi;; R37/38-41 / R42/43	< 0,5
Additional informatior Full text of R-phrases:		

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.

HARDWOOD | FINISH | NU OIL®

Hallmark Floors Nu Oil® Top Coat

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

Article No.	075-000-00005	Nu Oil® Top Coat	
Date of print:	8.24.2012	Revision Date: 5.11.2012	EN
Version:	000008.0002	Date of Issue: 5.11.2012	Page 5/14

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

5.1 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 resulting gases:

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.

HARDWOOD | FINISH | NU OIL®

Hallmark Floors Nu Oil® Top Coat

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

Article No.	075-000-00005	Nu Oil® Top Coat	
Date of print:	8.24.2012	Revision Date: 5.11.2012	EN
Version:	000008.0002	Date of Issue: 5.11.2012	Page 6/14

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. Only use 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.

HARDWOOD | FINISH | NU OIL®

Hallmark Floors Nu Oil® Top Coat

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

Article No.	075-000-00005	Nu Oil® Top Coat	
Date of print:	8.24.2012	Revision Date: 5.11.2012	EN
Version:	000008.0002	Date of Issue: 5.11.2012	Page 7/14

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.

HARDWOOD | FINISH | NU OIL®

Hallmark Floors Nu Oil® Top Coat

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

Article No.	075-000-00005	Nu Oil® Top Coat	
Date of print:	8.24.2012	Revision Date: 5.11.2012	EN
Version:	000008.0002	Date of Issue: 5.11.2012	Page 8/14

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

HARDWOOD | FINISH | NU OIL®

Hallmark Floors Nu Oil® Top Coat

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

Article No.	075-000-00005	Nu Oil® Top Coat	
Date of print:	8.24.2012	Revision Date: 5.11.2012	EN
Version:	000008.0002	Date of Issue: 5.11.2012	Page 9/14

SECTION 9 - Physical and chemical properties (cont.)

9.1 (cont.)	Safety relevant basis data		Unit	Method:	Remark
	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: Water		% by weight		
0.0	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.

HARDWOOD | FINISH | NU OIL®

Hallmark Floors Nu Oil® Top Coat

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

Article No.	075-000-00005	Nu Oil® Top Coat	
Date of print:	8.24.2012	Revision Date: 5.11.2012	EN
Version:	000008.0002	Date of Issue: 5.11.2012	Page 10/14

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.

HARDWOOD | FINISH | NU OIL®

Hallmark Floors Nu Oil® Top Coat

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

Article No.	075-000-00005	Nu Oil® Top Coat	
Date of print:	8.24.2012	Revision Date: 5.11.2012	EN
Version:	000008.0002	Date of Issue: 5.11.2012	Page 11/14

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.

HARDWOOD | FINISH | NU OIL®

Hallmark Floors Nu Oil® Top Coat

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

Article No.	075-000-00005	Nu Oil® Top Coat	
Date of print:	8.24.2012	Revision Date: 5.11.2012	EN
Version:	000008.0002	Date of Issue: 5.11.2012	Page 12/14

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:
- 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

HARDWOOD | FINISH | NU OIL®

Hallmark Floors Nu Oil® Top Coat

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

Article No.	075-000-00005	Nu Oil® Top Coat	
Date of print:	8.24.2012	Revision Date: 5.11.2012	EN
Version:	000008.0002	Date of Issue: 5.11.2012	Page 13/14

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/l 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.

HARDWOOD | FINISH | NU OIL®

Hallmark Floors Nu Oil® Top Coat

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

Article No.	075-000-00005	Nu Oil® Top Coat	
Date of print:	8.24.2012	Revision Date: 5.11.2012	EN
Version:	000008.0002	Date of Issue: 5.11.2012	Page 14/14

SECTION 16 - other information

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

Flam. Liq. 3 / H226	Flammable liquids:	Elammable liquid and vanor
Acute Tox. 4 / H332	Acute toxicity (inhalative):	Flammable liquid and vapor. 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.
R66		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

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