MATERIAL SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

3044418

Reviewed on: 23/02/2023
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SECTION 01: Identification of the substance/mixture and of the company undertaking

- ***1.1 Product identifier***

- *Trade name:*
  MATTÖL NORDIC 1411 SLIGHTLY LIGHTENING

- Article number / Safety Data Sheet:
  141100
- *1.2 Relevant identified uses of the substance or mixture and uses advised against*
- Application of the substance / the preparation
  Coating material

- ***1.3 Details of the supplier of the safety data sheet***
- *Manufacturer/Supplier:*
  Teknos AG
  Industriestrasse 7
  LI-9487 Gamprin-Bendern
  T +423 375 94 00
  F +423 375 94 99

- *Further information obtainable from:*
  Product safety department. e-mail address: li-sdb@teknos.com
- *1.4 Emergency telephone number:*
  Swiss Toxicological Information Centre, CH-8032 Zürich Emergency telephone: +41 (0)44 251 51 51 (International)

SECTION 02: Hazards identification

- *2.1 Classification of the substance or mixture*
- Classification according to Regulation (EC) No 1272/2008

GHS02

Flam. Liq. 3 - H226 Flammable liquid and vapour.

GHS07

STOT SE 3 - H336 May cause drowsiness or dizziness.
- *2.2 Label elements*
- Labelling according to Regulation (EC) No 1272/2008
- Hazard pictograms

GHS02 GHS07
- Signal word
  Warning

- Hazard-determining components of labelling:
  Hydrocarbons, C9-C11, n-alkanes, iso-alkanes, cyclenes, <2% aromatics / Naphtha (petroleum), hydrotreated light
- Hazard statements
  H226 Flammable liquid and vapour.
  H336 May cause drowsiness or dizziness.
- Precautionary statements
  P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
  P233 Keep container tightly closed.
  P240 Ground and bond container and receiving equipment.
  P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
  P403+P233 Store in a well-ventilated place. Keep container tightly closed.
  P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.

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- ***2.3 Other hazards***
- *Results of PBT and vPvB assessment*
- PBT:
  Not applicable.
- vPvB:
  Not applicable.

SECTION 03: Composition/information on ingredients

- ***3.2 Chemical characterization: Mixtures***
- *Description:*
  Mixture of substances listed below with nonhazardous additions.

- *Dangerous components:*

	CAS Number		%
	108-65-6	**2-methoxy-1-methylethyl acetate** EC number: 203-603-9 Record number 01-2119475791-29 substance with a Community workplace exposure limit. Flam. Liq. 3 - H226	**0,0015- 0,50**
	123-86-4	**n-butyl acetate** EC number: 204-658-1 Record number 01-2119485493-29 Flam. Liq. 3 - H226; STOT SE 3 - H336; EUH066	**0,0015- 0,50**
*		**Hydrocarbons, C9-C11, n-alkanes, iso-** alkanes, cyclenes, <2% aromatics EC number: 919-857-5 Record number 01-2119463258-33 Asp. Tox. 1 - H304; Flam. Liq. 3 - H226; STOT SE 3 - H336; EUH066	**40,00- 60,00**
	64742-47-8	**Hydrocarbons, C11-C14 n-alkanes, cyclic, <2%** aromatics EC number: 926-141-6 Record number 01-2119456620-43 Asp. Tox. 1 - H304; EUH066	**10,00- 25,00**
*	**1330-20-7**	**xylene** EC number: 215-535-7 Record number 01-2119488216-32 Flam. Liq. 3 - H226; Acute Tox. 4 - H312, Acute Tox. 4 - H332, Skin Irrit. 2 - H315	**0,0015- 0,50**
*	**64742-49-0**	**Naphtha (petroleum), hydrotreated light** EC number: 927-241-2 Record number 01-2119471843-32 Asp. Tox. 1 - H304; Flam. Liq. 3 - H226; STOT SE 3 - H336; Aquatic	**5,00- 10,00**

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* Chronic 3 - H412

- *Additional information:*
  For the wording of the listed risk phrases refer to section 16.

SECTION 04: First aid measures

- *4.1 Description of first aid measures*
- ***After inhalation:***
  Supply fresh air; consult doctor in case of complaints.
- ***After skin contact:***
  Immediately wash with water and soap and rinse thoroughly.
- ***After eye contact:***
  Rinse opened eye for several minutes under running water.
- ***After swallowing:***
  Do not induce vomiting; call for medical help immediately.
- ***Information for doctor:***
- *4.2 Most important symptoms and effects, both acute and delayed*
  No further relevant information available.
- *4.3 Indication of any immediate medical attention and special treatment needed*
  No further relevant information available.

SECTION 05: Firefighting measures

- ***5.1 Extinguishing media***
- ***Suitable extinguishing agents:***
  CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- ***For safety reasons unsuitable extinguishing agents:***
  Water with full jet
- ***5.2 Special hazards arising from the substance or mixture***
  Formation of toxic gases is possible during heating or in case of fire.
- ***5.3 Advice for firefighters***
- *Protective equipment:*
  Mouth respiratory protective device.
  Do not inhale explosion gases or combustion gases.
- ***Additional information***
  Cool endangered receptacles with water spray.
  Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 06: Accidental release measures

- ***6.1 Personal precautions, protective equipment and emergency procedures***
  Wear protective equipment. Keep unprotected persons away.
  Ensure adequate ventilation
- ***6.2 Environmental precautions:***
  Do not allow product to reach sewage system or any water course.
  Prevent seepage into sewage system, workpits and cellars.
  Inform respective authorities in case of seepage into water course or sewage system.
  In case of seepage into the ground inform responsible authorities.
  In case of gas release or seepage into the ground inform responsible authorities.
  Do not allow to enter sewers/ surface or ground water.
- ***6.3 Methods and material for containment and cleaning up:***
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Dispose contaminated material as waste according to item 13.
  Ensure adequate ventilation.
- ***6.4 Reference to other sections***
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.
  See Section 13 for disposal information.

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SECTION 07: Handling and storage

- ***Handling:***
- *7.1 Precautions for safe handling*
  Open and handle receptacle with care.
  Take note of emission threshold.
  Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
- *Information about fire - and explosion protection:*
  Keep ignition sources away - Do not smoke.
  Protect against electrostatic charges.
  Prevent impact and friction.

- *7.2 Conditions for safe storage, including any incompatibilities*
- ***Storage:***
- *Requirements to be met by storerooms and receptacles:*
  Store only in the original receptacle.
- *Information about storage in one common storage facility:*
  Not required.
- *Further information about storage conditions:*
  Keep container tightly sealed.
  Store in cool, dry conditions in well sealed receptacles.
  Protect from heat and direct sunlight.
- ***7.3 Specific end use(s)***
  No further relevant information available.

SECTION 08: Exposure controls/personal protection

- *8.1 Control parameters*
- ***Ingredients with limit values that require monitoring at the workplace:***

108-65-6 2-methoxy-1-methylethyl acetate

WEL

Short-term value	**548**	**mg/m3**
	100	**ppm**
Long-term value	**274**	**mg/m3**
	50	**ppm**

Sk

123-86-4 n-butyl acetate

WEL

Short-term value	**966**	**mg/m3**
	200	**ppm**
Long-term value	**724**	**mg/m3**
	150	**ppm**

1330-20-7 xylene

WEL

Short-term value	**441**	**mg/m3**
	100	**ppm**
Long-term value	**220**	**mg/m3**
	50	**ppm**

Sk; BMGV

- Ingredients with biological limit values:

1330-20-7 xylene

BMGV

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650 mmol/mol creatinine

Medium: urine

Sampling time: post shift

Parameter: methyl hippuric acid

- *Additional information:*
  The lists valid during the making were used as basis.

- *8.2 Exposure controls*
- ***Personal protective equipment:***
- *General protective and hygienic measures:*
  The usual precautionary measures are to be adhered to when handling chemicals.
  Do not eat or drink while working.
  Be sure to clean skin thoroughly after work and before breaks.
- *Respiratory protection: Suitable respiratory protective device recommended.*
- *Protection of hands: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation Impervious gloves*
- Material of gloves
  The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- Penetration time of glove material
  The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
  The determined penetration times according to EN 374 part III are not performed under practical conditions.
  Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.
- *Eye protection: Safety glasses*
- *Body protection: Protective work clothing*

SECTION 09: Physical and chemical properties

9.1 Information on basic physical and chemical properties	
Appearance	
Appearance:	
Form:	Liquid
Colour:	According to product specifica
Odour:	Characteristic Characteristic
Odour threshold:	Not determined.
Change in condition	
Initial boiling point and boiling range:	80 °C
Flash point:	24 °C
Flammability (solid, gas):	Not applicable.
Ignition temperature:	> 200 °C
Decomposition temperature:	Not determined.
Auto-ignition temperature:	Not determined.
Explosive properties:	Not determined.
Explosion limits:	
Lower:	Not determined.
Upper:	7 Vol %
Vapour pressure:	at 20 °C 1,0000 mbar
Density:	0,8600 g/cm3

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Solubility in / Miscibility with	
water:	Not determined.
Viscosity:	
.	Not determined.
.	at 20 °C
9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- *10.1 Reactivity*
  No further relevant information available.
- *10.2 Chemical stability*
- ***Thermal decomposition / conditions to be avoided:***
  No decomposition if used according to specifications.
- *10.3 Possibility of hazardous reactions*
  No dangerous reactions known.
- *10.4 Conditions to avoid*
  No further relevant information available.
- ***10.5 Incompatible materials:***
  No further relevant information available.
- ***10.6 Hazardous decomposition products:***
  No dangerous decomposition products known.

SECTION 11: Toxicological information

- ***11.1 Information on toxicological effects***
- ***Acute toxicity***
- *LD/LC50 values relevant for classification:*

108-65-6 2-methoxy-1-methylethyl acetate
Oral, LD50: 8532 mg/kg (rat)
Inhalative, LC50/4h: 35,7 mg/l (rat)

123-86-4 n-butyl acetate
Oral, LD50: 13100 mg/kg (rat)
Dermal, LD50: >5000 mg/kg (Rabbit)
Inhalative, LC50/4h: >21 mg/l (rat)

* **1330-20-7 xylene**
* Oral, LD50: 4300 mg/kg (rat)
* Dermal, LD50: 2000 mg/kg (Rabbit)

- *Primary irritant effect:*
- Skin corrosion/irritation
  No irritant effect.
- Serious eye damage/irritation
  No irritating effect.
- *Respiratory or skin sensitisation*
  No sensitising effects known.
- ***11.2 Information on other hazards***
- *Endocrine disrupting properties*

* None of the ingredients is listed.

SECTION 12: Ecological information

- *12.1 Toxicity*
- Aquatic toxicity:
  No further relevant information available.
- ***12.2 Persistence and degradability***
  No further relevant information available.
- ***Behaviour in environmental systems:***
- *12.3 Bioaccumulative potential*

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No further relevant information available.
- 12.4 Mobility in soil
No further relevant information available.
- ***Additional ecological information:***
- *General notes:*
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- ***12.5 Results of PBT and vPvB assessment***
- *PBT:*
Not applicable.
- *vPvB:*
Not applicable.
- ***12.6 Other adverse effects***
No further relevant information available.

SECTION 13: Disposal considerations

- ***13.1 Waste treatment methods***
- *European and swiss waste code*
08
WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01
wastes from MFSU and removal of paint and varnish
08 01 11
waste paint and varnish containing organic solvents or other hazardous substances

- ***Uncleaned packaging:***
- *Recommendation:*
Disposal must be made according to official regulations.

SECTION 14: Transport information

- ***14.1 UN-Number***

ADR	UN1263
IMDG	UN1263
IATA	UN1263

- ***14.2 UN proper shipping name***

ADR	1263 PAINT
IMDG	PAINT
IATA	PAINT

- ***14.3 Transport hazard class(es)***

ADR

Class 3 Flammable liquids.

Label

IMDG

Class 3 Flammable liquids.

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Label 3

IATA

Class 3 Flammable liquids.

Label 3

- ***14.4 Packing group***

ADR III

IMDG III

IATA III

- ***14.5 Environmental hazards:***
  Not applicable.
- ***14.6 Special precautions for user***
  Warning: Flammable liquids.

Danger code (Kemler): 30

EMS Number: F-E,S-E

- ***14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code***
  Not applicable.

- ***Transport/Additional information:***
  Not applicable.

Excepted quantities (EQ): E1

Limited quantities (LQ) 5L

Transport category 3

Tunnel restriction code D/E

IMDG

Limited quantities (LQ) 5L

Excepted quantities (EQ) E1

- ***UN "Model Regulation":***
  UN 1263 PAINT, 3, III

SECTION 15: Regulatory information

- ***15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture***
- DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment - Annex II

* None of the ingredients is listed.

- REGULATION (EU) 2019/1148
- Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

* None of the ingredients is listed.

- Annex II - REPORTABLE EXPLOSIVES PRECURSORS

* None of the ingredients is listed.

- *REGULATION (EC) No 1907/2006 ANNEX XVII*

Conditions of restriction: 3, 40

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- ***National regulations:***

- *Technical instructions (air):*
* • Class Share in %
III 18,23
* II 0,44

- *Waterhazard class:*
Water hazard class 1 (Self-assessment): slightly hazardous for water.
- ***15.2 Chemical safety assessment:***
A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

* • Relevant phrases
* EUH066 Repeated exposure may cause skin dryness or cracking.
* H226 Flammable liquid and vapour.
* H304 May be fatal if swallowed and enters airways.
* H312 Harmful in contact with skin.
* H315 Causes skin irritation.
* H332 Harmful if inhaled.
* H336 May cause drowsiness or dizziness.
* H412 Harmful to aquatic life with long lasting effects.

- ***Department issuing MSDS:***
Environment protection department.
- *Abbreviations and acronyms:*
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
- ** Data compared to the previous version altered.*