

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



Article no.: 650-005510 HARDWAXOIL MAGIC NATURAL
Date of print: 22.01.2013 Revision date: 22.01.2013
Version: 6.0 Date of issue: 22.01.2013

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1. Identification of the substance/ preparation and of the company/ undertaking

1.1. Product identifiers:

Article no. (manufacturer / supplier): 650-005510
Identification of the substance or preparation: HARDWAXOIL MAGIC NATURAL

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

1.3. Details of the supplier of the safety data sheet

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

Debal Coatings NV
Industrieweg 29 Telephone: +32 51 30 11 40
B-8800 Beveren-Roselare Telefax: +32 51 26 48

Dept. responsible for information:

Labo:
E-mail (competent person): info@debalcoatings.be

1.4. Emergency telephone number

Emergency telephone: +32 51 30 11 40
(opening hours Monday to Friday from 8:00 am to 4:30 pm)

2. Hazards identification

2.1. Classification of the substance or mixture

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

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

R10
R66

Flammable.
Repeated exposure may cause skin dryness or cracking.
Vapours may cause drowsiness and dizziness.

R67

2.2. Label elements

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

Hazard statements:

10 Flammable.
66 Repeated exposure may cause skin dryness or cracking.
67 Vapours may cause drowsiness and dizziness.

Safety precautions:

24 Avoid contact with skin.
38 In case of insufficient ventilation, wear suitable respiratory equipment.
51 Use only in well-ventilated areas.
23 Do not breathe vapour.

contains:

n.a.

Special provisions concerning the labelling of certain mixtures

99 Contains 2-butanone oxime; phthalic anhydride; Fatty acids C6-19 branched cobalt(2) salts. May produce an allergic reaction.

2.3. Other hazards

3. Composition/ Information on ingredients

3.2. Mixtures

chemical characterization (preparation)

Description:

Hazardous ingredients:

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

EC No:	REACH No:	% by weight
CAS No.:	Chemical name:	Remark:
INDEX no.:	classification:	
919-857-5	01-2119463258-33	25 - 50
	Naphtha (petroleum), hydrotreated heavy	

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	Flam. Liq. 3 H226 / Asp. Tox. 1 H304 / STOT SE 3 H336	
918-167-1	01-2119472146-39 C11-C12 iso alkanes Flam. Liq. 3 H226 / Asp. Tox. 1 H304	10 - 12,5
920-901-0	01-2119456810-40-0000 C11-C13 isoalkanes Asp. Tox. 1 H304	10 - 12,5
202-496-6 96-29-7 616-014-00-0	01-2119539477-28 2-butanone oxime Carc. 2 H351 / Acute Tox. 4 H312 / Eye Dam. 1 H318 / Skin Sens. 1 H317	< 0,5
201-607-5 85-44-9 607-009-00-4	phthalic anhydride Flam. Liq. 3 H226 / Acute Tox. 4 H302 / Skin Irrit. 2 H315 / Eye Dam. 1 H318 / Skin Sens. 1 H317 / Resp. Sens. 1 H334 / STOT SE 3 H335	< 0,5
271-378-4 68551-44-0	Fatty acids, C6-19-branched, zinc salts Aquatic Chronic 2 H411	< 0,5
918-668-5	01-2119455851-35 Hydrocarbons, C9, aromatics Flam. Liq. 3 H226 / STOT SE 3 H335 / Aquatic Chronic 2 H411 / Asp. Tox. 1 H304 / STOT SE 3 H336	< 0,5
	Polyaminamidsalz Skin Irrit. 2 H315 / Aquatic Chronic 2 H411	< 0,5
265-185-4 64742-82-1	Naphtha (petroleum), hydrodesulfurized heavy, Low boiling point hydrogen treated naphtha Flam. Liq. 3 H226 / Aquatic Chronic 2 H411 / Asp. Tox. 1 H304 / STOT SE 3 H336	< 0,5
270-066-5 68409-81-4	Fatty acids C6-19 branched cobalt(2) salts Acute Tox. 4 H302 / Skin Irrit. 2 H315 / Eye Irrit. 2 H319 / Skin Sens. 1 H317 / Aquatic Chronic 2 H411	< 0,5

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:	
919-857-5	01-2119463258-33 hydrocarbon c9-11 alkanes iso alkanes cyclic <2% arom R10 / Xn; R65 / R66 / R67	25 - 50
918-167-1	01-2119472146-39 C11-C12 iso alkanes Xn; R65 / R66	10 - 12,5
920-901-0	01-2119456810-40-0000 C11-C13 isoalkanes Xn; R65 / R66	10 - 12,5
202-496-6 96-29-7 616-014-00-0	01-2119539477-28 2-butanone oxime Carc. Cat. 3; R40 / Xn; R21 / Xi; R41 / R43	< 0,5
201-607-5 85-44-9 607-009-00-4	phthalic anhydride Xn; R22 / Xi; R37/38-41 / R42/43	< 0,5
271-378-4 68551-44-0	Fatty acids, C6-19-branched zinc salts N; R51-53	< 0,5
918-668-5	01-2119455851-35 Hydrocarbons, C9, aromatics R10 / Xi; R37 / N; R51-53 / Xn; R65 / R66 / R67	< 0,5
		< 0,5

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	Polyaminamidsalz Xi; R38 / N; R51-53	
265-185-4 64742-82-1	Naphtha (petroleum), hydrodesulfurized heavy R10 / N; R51-53 / Xn; R65 / R66 / R67	< 0,5
270-066-5 68409-81-4	Fatty acids C6-19 branched cobalt(2) salts Xn; R22 / Xi; R38 / R43 / N; R51-53	< 0,5

Additional information

Full text of R-phrases: see section 16.

Full text of H-phrases: see section 16.

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.

In case of eye contact:

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.

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

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 hazards arising from the substance or mixture

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

5.3. Advice for firefighters

Provide a conveniently located respiratory protective device. 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.

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.

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.

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6.4. Reference to other sections

Observe protective provisions (see chapter 7 and 8).

7. Handling and storage

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. Product may become electrostatically charged. Provide earthing of containers, equipment, pumps and ventilation facilities. Anti-static clothing including shoes are recommended. Floors must be electrically conductive. 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.

Materials such as cleaning rags, paper wipes and protective clothing, which are contaminated with the product may spontaneously self-ignite some hours later.

To avoid the risks of fires, all contaminated materials should be stored in purpose-built containers or in metal containers with tight-fitting self-closing lids.

laid out flat in a single layer to dry

placed in a closed metal container soaked with water

washed out well with warm soapy water before disposal

Contaminated materials should be removed from the workplace at the end of each working day and be stored outside.

Precautions against fire and explosion:

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

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 25 °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.

8. Exposure controls / Personal protection

8.1. Control parameters

EC No:	Description:	type:	Limit value	Unit
CAS No.:		Country:	STEL (EC) TWA (EC)	
270-066-5	Fatty acids C6-19 branched cobalt(2) salts	EN	0,1	mg/m3
68409-81-4				

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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Hand protection:

For prolonged or repeated handling the following glove material must be used: nitrile rubber or butyl 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.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:

Physical state: liquid
Colour whitish transpar
Odour: characteristic

Safety relevant basis data	Unit	Method	Remark:
Flash point:	40 °C	DIN 53213	
Ignition temperature (AIT):	n.b.		
lower explosion limit:	n.b.		
Upper explosion limit:	n.b.		
Vapour pressure at 20 °C:	n.b.		
Density at 20 °C:	0,91 g/cm³		
Water solubility (g/l):	insoluble		
pH at 20 °C:	-		
Viscosity at 20 °C	50 s 4 mm	DIN 53211	
Solvent separation test (%):	< 3 %	ADR/RID	
Solid content (%):	47 % by weight		
solvent content:			
Organic solvents:	52,0 % by weight		
Water:	0,0 % by weight		

9.2. Other information:

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

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.

11. Toxicological information

No data on preparation itself available.

11.1. Information on toxicological effects

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Acute toxicity

Toxicological data are not available.

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.

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.

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified according to the toxicological dangers. See chapters 2 and 15 for details.

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**

Toxicological data are not available.

12.2. **Persistence and degradability**

Toxicological data are not available.

12.3. **Bioaccumulative potential**

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.

12.6. **Other adverse effects**

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:

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

14. Transport information

14.1. UN-No.:

1263

14.2. UN proper shipping name

Land transport (ADR/RID): Verfrverwante produkten
Sea transport (IMDG): PAINT
Air transport (ICAO-TI / IATA-DGR): Paint

14.3. Transport hazard class(es)

3

14.4. Packing Group:

III

14.5. Environmental hazards:

Land transport (ADR/RID) n.a.
Marine pollutant: n.a.

14.6. Environmental hazards

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: D/E

Sea transport (IMDG)

EmS-No.: F-E, S-E

14.7. Special precautions for user

not applicable

15. Regulatory information

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: 481,436

VOC-value (in g/l) ASTM D 2369: 481,436

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 481,436 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).

15.2. Chemical Safety Assessment

A chemical safety assessment has been carried out on following substance:

EC No:	Chemical name:	REACH No:
CAS No.:		
202-496-6	2-butanone oxime	01-2119539477-28
96-29-7		
919-857-5	hydrocarbon c9-11 alkanes iso alkanes cyclic <2% arom	01-2119463258-33
918-668-5	Hydrocarbons, C9, aromatics	01-2119455851-35
918-167-1	C11-C12 iso alkanes	01-2119472146-39
920-901-0	C11-C13 isoalkanes	01-2119456810-40-0000

16. Other information

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

Flam. Liq. 3 / H226	Flammable liquids:	Flammable liquid and vapour.
Asp. Tox. 1 / H304	Aspiration hazard:	May be fatal if swallowed and enters airways.
STOT SE 3 / H336	Specific target organ toxicity (single exposure):	May cause drowsiness or dizziness.
Carc. 2 / H351	Carcinogenicity:	Suspected of causing cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
Acute Tox. 4 / H312	Acute toxicity (dermal):	Harmful in contact with skin.
Eye Dam. 1 / H318	Serious eye damage/eye irritation:	Causes serious eye damage..
Skin Sens. 1 / H317	Respiratory or skin sensitisation:	May cause an allergic skin reaction.
Acute Tox. 4 / H302	Acute toxicity (oral):	Harmful if swallowed.
Skin Irrit. 2 / H315	Skin corrosion/irritation:	Causes skin irritation.
Resp. Sens. 1 / H334	Respiratory or skin sensitisation:	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
STOT SE 3 / H335	Specific target organ toxicity (single exposure):	May cause respiratory irritation.
Aquatic Chronic 2 / H411	Hazardous to the aquatic environment:	Toxic to aquatic life with long lasting effects.
Eye Irrit. 2 / H319	Serious eye damage/eye irritation:	Causes serious eye irritation.
Carc.Cat.3; R40	Carcinogenic Cat. 3 (Carc. Cat. 3).	Limited evidence of a carcinogenic effect.
Xn; R21	Harmful	Harmful in contact with skin.
Xi; R41	Irritant	Risk of serious damage to eyes.
R43		May cause sensitization by skin contact.
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.
Xi; R38	Irritant	Irritating to skin.
N; R51-53	Dangerous for the environment	Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
R10		Flammable.
Xn; R65	Harmful	Harmful: may cause lung damage if swallowed.
R66		Repeated exposure may cause skin dryness or cracking.
R67		Vapours may cause drowsiness and dizziness.
Xi; R37	Irritant	Irritating to respiratory system.

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.