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

according to Regulation (EU) No 453/2010

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifiers

650-007090 Article No. (manufacturer/supplier)

Identification of the substance or mixture HARDWAXOIL MAGIC SATIN

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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 Telefax: +32 51 26 48 B-8800Beveren-Roeselare

Dept. responsible for information:

Labo:

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

1.4. Emergency telephone number

Emergency telephone number +32 51 30 11 40

(opening hours Monday to Friday from 8:00 am to 4:30 pm)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

This mixture is classified as hazardous according to 1999/45/EC.

R10 Flammable

R66 Repeated exposure may cause skin dryness or

cracking.

R67 Vapours may cause drowsiness and dizziness.

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.

Vapours may cause drowsiness and dizziness.

Precautionary statements

24 Avoid contact with skin.

38 In case of insufficient ventilation, wear suitable respiratory equipment.

51 Use only in well-ventilated areas.

Do not breathe vapour. 23

contains:

n.a.

Special provisions concerning the labelling of certain mixtures

Contains 2-butanone oxime; phthalic anhydride; Fatty acids C6-19 branched cobalt(2) salts. May

produce an allergic reaction.

2.3. Other hazards

SECTION 3: Composition / information on ingredients

Mixtures 3.2.

Product description / chemical characterization

Description

Hazardous ingredients

Classification according to Regulation (EC) No. 1272/2008 [CLP]

EC No. **REACH No.**

Wt % CAS No. **Chemical name** INDEX No. classification Remark

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

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on:	3.0	Issue date: 28.11.2013	Page 2 / 9	
919-857-5		01-2119463258-33 hydrocarbon c9-11 alkanes iso alkanes cyclic <2% Flam. Liq. 3 H226 / Asp. Tox. 1 H304 / STOT SE		25 - 50
918-167-1		01-2119472146-39 Hydrocarbons C11-C12,isoalkanes, < 2% aromatics Flam. Liq. 3 H226 / Asp. Tox. 1 H304	S	5 - 10
920-901-0		01-2119456810-40-0000 Hydrocarbons C11-C13,isoalkanes, < 2% aromatics Asp. Tox. 1 H304	s	5 - 10
252-104-2 34590-94-8		01-2119450011-60-0002 (2-methoxymethylethoxy)propanol		2,5 - 5 *
202-496-6 96-29-7 616-014-00		01-2119539477-28 2-butanone oxime Carc. 2 H351 / Acute Tox. 4 H312 / Eye Dan H317	n. 1 H318 / Skin Sens. 1	0,5 - 1
201-607-5 85-44-9 607-009-00		01-2119457017-41 phthalic anhydride Flam. Liq. 3 H226 / Acute Tox. 4 H302 / Skin I H318 / Skin Sens. 1 H317 / Resp. Sens. 1 H334		< 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 / Aquat Tox. 1 H304 / STOT SE 3 H336	tic Chronic 2 H411 / Asp.	< 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 Irr H317 / Repr. 2 H361 / Aquatic Chronic 2 H411	rit. 2 H319 / Skin Sens. 1	< 0,5
		Polyaminamidsalz Skin Irrit. 2 H315 / Aquatic Chronic 2 H411		< 0,5
265-185-4 64742-82-		Naphtha (petroleum), hydrodesulfurized heavy,Lotreated naphtha Flam. Liq. 3 H226 / Aquatic Chronic 2 H411 / SE 3 H336		< 0,5

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

EC No. CAS No. INDEX No.	REACH No. Chemical name classification	Wt % Remark
919-857-5	01-2119463258-33 hydrocarbon c9-11 alkanes iso alkanes cyclic <2% aromatics R10 / Xn; R65 / R66 / R67	25 - 50
918-167-1	01-2119472146-39 Hydrocarbons C11-C12,isoalkanes, < 2% aromatics Xn; R65 / R66	5 - 10
920-901-0	01-2119456810-40-0000 Hydrocarbons C11-C13,isoalkanes, < 2% aromatics Xn; R65 / R66	5 - 10
252-104-2	01-2119450011-60-0002	
34590-94-8	(2-methoxymethylethoxy)propanol	2,5 - 5
202-496-6	01-2119539477-28	
96-29-7	2-butanone oxime	0,5 - 1
616-014-00-0	Carc.Cat.3; R40 / Xn; R21 / Xi; R41 / R43	

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

according to Regulation (EU) No 453/2010

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OH.	3.0	188ue date. 26.11.2013	Page 3 / 9	
201-607-5	5	01-2119457017-41		
85-44-9		phthalic anhydride		< 0,5
607-009-0	00-4	Xn; R22 / Xi; R37/38-41 / R42/43		
271-378-4	1			
68551-44	-0	Fatty acids, C6-19-branched zinc salts N; R51-53		< 0,5
918-668-5	5	01-2119455851-35		
		Hydrocarbons, C9, aromatics		< 0,5
		R10 / Xi; R37 / N; R51-53 / Xn; R65 / R66 / R67		
270-066-5	5			
68409-81	-4	Fatty acids C6-19 branched cobalt(2) salts		< 0,5
		Xn; R22 / Xi; R38 / R43 / N; R51-53 / Repr.Cat.3; R62		
		Polyaminamidsalz		< 0.5
		Xi; R38 / N; R51-53		•
265-185-4	1			
64742-82	-1	Naphtha (petroleum), hydrodesulfurized heavy		< 0,5
		R10 / N; R51-53 / Xn; R65 / R66 / R67		·
-				

Additional information

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

SECTION 4: First aid measures

Description of first aid measures 4.1.

General information

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

In case of inhalation

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

Following skin contact

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

After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice 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.

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:

Special hazards arising from the substance or mixture

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

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.

^{*} Substance with a common (EC) occupational exposure limit value.

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

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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.

6.2. Environmental precautions

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

.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. Vapours form explosive mixtures with air.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

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. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (BGR 132)".

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.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values:

silica amorf

EC No. 231-545-4 / CAS No. 7631-86-9

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

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WEL, TWA: 2,4 mg/m3

Remark: (Silica, amorphous; respirable fraction)

WEL, TWA: 6 mg/m3

Remark: (Silica, amorphous; inhalable fraction)

(2-methoxymethylethoxy)propanol

EC No. 252-104-2 / CAS No. 34590-94-8

WEL, TWA: 308 mg/m3; 50 ppm

Additional information

TWA: long-term occupational exposure limit value STEL: short-term occupational exposure limit value

Ceiling: peak limitation

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. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190). Use only respiratory protection equipment with CE-symbol including four digit test number.

Hand protection

For prolonged or repeated handling the following glove material must be used: NBR (Nitrile rubber)

Thickness of the glove material > 0,4 mm; Breakthrough time (maximum wearing time) > 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.

Protective clothing

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

Protective measures

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

Environmental exposure controls

Do not allow to enter into surface water or drains. See chapter 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:

Physical stateliquidColourrefer to labelOdourcharacteristic

Safety relevant basis data		Unit	Method	Remark
Flash point:	< 55	°C		
Ignition temperature in °C:	n.b.			
Lower explosion limit:	n.b.			
Upper explosion limit:	n.b.			
Vapour pressure at 20 °C:	n.b.			
Density at 20 °C:	0,90	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 (%):	45,55	Wt %		
solvent content:				
Organic solvents:	53,2	Wt %		
Water:	0,3	Wt %		

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

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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

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.

SECTION 11: Toxicological information

No data on preparation itself available.

11.1. Information on toxicological effects

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/human evidence

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, drowsiness, 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 ingredients in this preparation do not meet the criteria for classification as CMR category 1 or 2 according to 67/548/EEC.

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.

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

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

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

according to Regulation (EU) No 453/2010

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Toxicological data are not available.

12.5. Results of PBT assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. 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 directive 2008/98/EC, covering waste and dangerous waste.

List of proposed waste codes/waste designations in accordance with EWC

080111 waste paint and varnish containing organic solvents or

other dangerous substances

packaging

Recommendation

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

SECTION 14: Transport information

14.1. UN number

1263

14.2. UN proper shipping name

Land transport (ADR/RID): Verfverwante produkten

Sea transport (IMDG): **PAINT** Air transport (ICAO-TI / IATA-DGR): Paint

14.3. Transport hazard class(es)

3

14.4. Packing group

Ш

14.5. Environmental hazards

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

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

Additional information

Land transport (ADR/RID)

D/E tunnel restriction code

Sea transport (IMDG)

F-E, S-E EmS-No.

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

not applicable

SECTION 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: 489,273 VOC-value (in g/L) ASTM D 2369: 490,622

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

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

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adverse effects in the aquatic environment.

Possible risk of impaired fertility.

Flammable

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

This product contains max 489,273 g/l VOC.

National regulations

Restrictions of occupation

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).

Other regulations, restrictions and prohibition regulations

15.2. Chemical Safety Assessment

For the following substances of this preparation a chemical safety assessment has been carried out:

EC No.	Chemical name	REACH No.
CAS No.		
202-496-6 96-29-7	2-butanone oxime	01-2119539477-28
201-607-5	phthalic anhydride	01-2119457017-41
85-44-9		
919-857-5	hydrocarbon c9-11 alkanes iso alkanes cyclic <2% aromatics	01-2119463258-33
252-104-2	(2-methoxymethylethoxy)propanol	01-2119450011-60-0002
34590-94-8		
918-668-5	Hydrocarbons, C9, aromatics	01-2119455851-35
918-167-1	Hydrocarbons C11-C12,isoalkanes, < 2% aromatics	01-2119472146-39
920-901-0	Hydrocarbons C11-C13,isoalkanes, < 2% aromatics	01-2119456810-40-0000

SECTION 16: Other information

Repr.Cat.3; R62

R10

SECTION 16: Other information				
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.		
Repr. 2 / H361	Reproductive toxicity	Suspected of damaging fertility or the unborn child (state specific effect if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).		
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 life. May cause long-term		

Reproductive toxic Cat.3 (Repr. Cat. 3)

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

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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.

Additional information

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.