

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



Article No.: 3200NA
Print date: 28.01.2015
Version: 10

Premium Hardwax-Oil
Revision date: 23.01.2015
Issue date: 23.01.2015

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

1.1. Product identifiers

Article No. (manufacturer/supplier) 3200NA
Identification of the substance or mixture Premium Hardwax-Oil
for North America
satin matt

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

Relevant identified uses:

Coating / Varnish

1.3. Details of the supplier of the safety data sheet

manufacturer

Saicos Colour GmbH
Carl-Zeiss-Str.3
D-48336 Sassenberg

Telephone: +49 (0) 2583 3037-0
Telefax: +49 (0) 2583 3037-10

Dept. responsible for information:

E-mail (competent person) info@saicos.de

1.4. Emergency telephone number

Giftnotruf Berlin: +49 (0) 30/ 30686 790 Beratung in Deutsch und Englisch

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

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

Eye Irrit. 2 / H319 Serious eye damage/eye irritation Causes serious eye irritation.
Skin Sens. 1 / H317 respiratory or skin sensitisation May cause an allergic skin reaction.

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

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

R43 May cause sensitization by skin contact.
R66 Repeated exposure may cause skin dryness or cracking.

2.2. Label elements

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

Hazard pictograms



Warning

Hazard statements

H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.

Precautionary statements

P261 Avoid breathing vapours.
P264 Wash hands thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P501 Dispose of contents/container to industrial incineration plant.

contains:

Tung oil
phthalic anhydride

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2-butanone oxime

Supplemental Hazard information (EU)

EUH066 Repeated exposure may cause skin dryness or cracking.

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



Xi Irritant

Hazard statements

43 May cause sensitization by skin contact.
 66 Repeated exposure may cause skin dryness or cracking.

Precautionary statements

24 Avoid contact with skin.
 37 Wear suitable gloves.
 38 In case of insufficient ventilation, wear suitable respiratory equipment.
 23 Do not breathe vapour.

contains:

Tung oil

Special provisions concerning the labelling of certain mixtures

n.a.

2.3. Other hazards

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Product description / chemical characterization

Description binding agents on vegetable oils

Hazardous ingredients

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

EC No. CAS No. INDEX No.	REACH No. Chemical name classification	Wt % Remark
265-150-3 64742-48-9 649-327-00-6	01-2119457273-39 Naphtha (petroleum), hydrotreated heavy; Low boiling point; hydrogen treated naphtha Asp. Tox. 1 H304	12,5 - 20
265-150-3 64742-48-9 649-327-00-6	01-2119463258-33 Naphtha (petroleum), hydrotreated heavy Flam. Liq. 3 H226 / Asp. Tox. 1 H304 / STOT SE 3 H336	12,5 - 20
265-149-8 64742-47-8 649-422-00-2	Distillates (petroleum), hydrotreated light Kerosine Asp. Tox. 1 H304	10 - 12,5
232-272-3 8001-20-5	Tung oil Skin Sens. 1 H317	2,5 - 5
9002-93-1	ethoxylated octylphenole Acute Tox. 4 H302 / Eye Dam. 1 H318 / Aquatic Chronic 2 H411	0,5 - 1
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 - 1
286-272-3 85203-81-2	01-2119979093-30 Zink bis(2-ethylhexanoate) Eye Irrit. 2 H319 / Repr. 2 H361 / Aquatic Chronic 3 H412	< 0,5
245-018-1 22464-99-9	01-2119979088-21 2-ethylhexanoic acid, zirconium salt Repr. 2 H361	< 0,5

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201-607-5 01-2119457017-41
85-44-9 phthalic anhydride < 0,5
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

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

EC No. CAS No. INDEX No.	REACH No. Chemical name classification	Wt % Remark
265-150-3 64742-48-9 649-327-00-6	01-2119457273-39 Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha Xn; R65 / R66	12,5 - 20
265-150-3 64742-48-9 649-327-00-6	01-2119463258-33 Naphtha (petroleum), hydrotreated heavy; Low boiling point Xn; R65 / R66 / R10	12,5 - 20
265-149-8 64742-47-8 649-422-00-2	Distillates (petroleum), hydrotreated light Kerosine - Xn; R65 / R66	10 - 12,5
232-272-3 8001-20-5	Tung oil R43	2,5 - 5
9002-93-1	ethoxylated octylphenole Xn; R22 / Xi; R41 / N; R51-53	0,5 - 1

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 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.

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 hazards arising from the substance or mixture

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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.

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

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.

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 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

Occupational exposure limit values:

n.a.

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.

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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: nitrile rubber or butyl 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 state liquid
Colour colourless
Odour characteristic

Safety relevant basis data	Unit	Method	Remark
Flash point:	62 °C	DIN 53213	
Ignition temperature in °C:	240 °C		
Lower explosion limit:	0,6 Vol-%		
Upper explosion limit:	6,0 Vol-%		
Vapour pressure at 20 °C:	42,51 mbar		
Density at 20 °C:	0,91 g/cm ³		
Water solubility (g/L):	insoluble		
pH at 20 °C:	-		
Viscosity at 20 °C:	90 s 4 mm	DIN 53211	
Solid content (%):	56,14 Wt %		
solvent content:			
Organic solvents:	43 Wt %		
Water:	0 Wt %		

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.

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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

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

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other dangerous substances

packaging

Recommendation

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

SECTION 14: Transport information

No dangerous good in sense of this transport regulation.

14.1. **UN number**

n.a.

14.2. **UN proper shipping name**

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

n.a.

14.4. **Packing group**

n.a.

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)

tunnel restriction code

-

Sea transport (IMDG)

EmS-No.

n.a.

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: 299

VOC-value (in g/L) ASTM D 2369: 299

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**

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

SECTION 16: Other information

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

Asp. Tox. 1 / H304

Aspiration hazard

May be fatal if swallowed and enters airways.

Flam. Liq. 3 / H226

flammable liquids

Flammable liquid and vapour.

STOT SE 3 / H336

Specific target organ toxicity (single exposure)

May cause drowsiness or dizziness.

Skin Sens. 1 / H317

respiratory or skin sensitisation

May cause an allergic skin reaction.

Acute Tox. 4 / H302

Acute toxicity (oral)

Harmful if swallowed.

Eye Dam. 1 / H318

Serious eye damage/eye irritation

Causes serious eye damage.

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Aquatic Chronic 2 / H411 Carc. 2 / H351	Hazardous to the aquatic environment Carcinogenicity	Toxic to aquatic life with long lasting effects. Suspected of causing cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard). Harmful in contact with skin.
Acute Tox. 4 / H312 Eye Irrit. 2 / H319 Repr. 2 / H361	Acute toxicity (dermal) Serious eye damage/eye irritation Reproductive toxicity	Causes serious eye irritation. Suspected of damaging fertility. Suspected of damaging the unborn child.
Aquatic Chronic 3 / H412 Repr. 2 / H361 STOT SE 3 / H335	Hazardous to the aquatic environment Reproductive toxicity Specific target organ toxicity (single exposure)	Harmful to aquatic life with long lasting effects. Suspected of damaging the unborn child. May cause respiratory irritation.
Skin Irrit. 2 / H315 Resp. Sens. 1 / H334	skin corrosion/irritation respiratory or skin sensitisation	Causes skin irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Xn; R65 R66	Harmful	Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking.
R10 Xn; R22 Xi; R41 N; R51-53	Harmful Irritant Dangerous for the environment	Flammable Harmful if swallowed. Risk of serious damage to eyes. Toxic to aquatic life. May cause long-term adverse effects in the aquatic environment.
R43		May cause sensitization by skin contact.

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.