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Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revised on / Version: 19.01.2011 / 0004
Replaces revision of / Version: 21.09.2010 / 0003
Valid from: 19.01.2011
PDF print date: 03.02.2011
AUTOSOL® NanoProtection Hard Wax

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

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

Product identifier

AUTOSOL® NanoProtection Hard Wax

Use of the substance/mixture

Product for paint preservation

Relevant identified uses of the substance or mixture:

No information available at present.

Uses advised against:

No information available at present.

Details of the supplier of the safety data sheet

Dursol-Fabrik Otto Durst GmbH & Co. KG, Martinstraße 22, D-42655 Solingen
Telephone +49 (0) 212-2718-0, Fax +49 (0) 212-208795
eMail: info@autosol.de
Homepage: www.autosol.de

E-mail address of the competent person: info@chemical-check.de, k.schnurbusch@chemical-check.de

Emergency telephone

Advisory office in case of poisoning:

Tel.:

Telephone number of the company in case of emergencies:

Tel.: +49 (0) 212-2718-0 (8.00h - 16.00h)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) 1272/2008 (CLP)

Not determined

2.1.2 Classification according to Directives 67/548/EEC and 1999/45/EC (including amendments).

Flammable, R10

R66

R67

2.2 Label elements

2.2.1 Labeling according to Regulation (EC) 1272/2008 (CLP)

Not determined

2.2.2 Labeling according to Directives 67/548/EEC and 1999/45/EC (including amendments).



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Symbols: Not applicable
Indications of danger: ---
R-phrases:
10 Flammable.
66 Repeated exposure may cause skin dryness or cracking.
67 Vapours may cause drowsiness and dizziness.
S-phrases:
2 Keep out of the reach of children.
35 This material and its container must be disposed of in a safe way.
46 If swallowed, seek medical advice immediately and show this container or label.

Additions: n.a.

2.3 Other hazards

The mixture contains no vPvB substance (vPvB = very persistent, very bioaccumulative).

The mixture contains no PBT substance (PBT = persistent, bioaccumulative, toxic).

When using: development of flammable vapour/air mixture possible.

REGULATION (EC) No 648/2004

30 % and more
aliphatic hydrocarbons

SECTION 3: Composition/information on ingredients

3.1 Substance

n.a.

3.2 Mixture

Naphtha (petroleum), hydrotreated heavy	
Registration number (ECHA)	-
Index	649-327-00-6
EINECS, ELINCS	265-150-3
CAS	CAS 64742-48-9
content %	80-100
Symbol	Xn
R-phrases	10-65-66-67
Classification categories / Indications of danger	Flammable, Harmful
Hazard class/Hazard category	Hazard statement
Flam. Liq./3	H226
Asp. Tox./1	H304
STOT SE/3	H336

Isoalkanes (C9 - C12)	
Registration number (ECHA)	-
Index	---
EINECS, ELINCS	292-459-0
CAS	CAS 90622-57-4
content %	1-<10
Symbol	Xn
R-phrases	10-53-65-66
Classification categories / Indications of danger	Dangerous for the environment, Flammable, Harmful
Hazard class/Hazard category	Hazard statement



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Flam. Liq./3	H226
Aquatic Chronic/4	H413
Asp. Tox./1	H304

For the text of the R-phrases / H-phrases and classification codes (GHS/CLP), see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation

Remove person from danger area.
Supply person with fresh air and consult doctor according to symptoms.
If the person is unconscious, place in a stable side position and consult a doctor.

Skin contact

Wash thoroughly using copious water - remove contaminated clothing immediately. If skin irritation occurs (redness etc.), consult doctor.

Eye contact

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

Ingestion

Rinse the mouth thoroughly with water.
Do not induce vomiting. Consult doctor immediately.
Keep Data Sheet available.

4.2 Most important symptoms and effects, both acute and delayed

Where relevant delayed occurring symptoms and effects will be found in section 11. or at the exposure routes under section 4.1.

The following may occur:

Irritation of the eyes

Skin irritation possible with prolonged contact.

Inhalation:

Headaches

Dizziness

Fatigue

Effect on the central nervous system

Ingestion:

Danger of aspiration

4.3 Indication of any immediate medical attention and special treatment needed

n.c.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water jet spray/foam/CO₂/dry extinguisher
Cool container at risk with water.

Unsuitable extinguishing media

High volume water jet

5.2 Special hazards arising from the substance or mixture

In case of fire the following can develop:

Oxides of carbon

Toxic pyrolysis products.

Flammable vapour/air mixtures

5.3 Advice for firefighters

Protective respirator with independent air supply.



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Dispose of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure sufficient supply of air.
 Remove possible causes of ignition - do not smoke.
 Avoid contact with eyes or skin.
 If applicable, caution - risk of slipping

6.2 Environmental precautions

If leakage occurs, dam up.
 Prevent surface and ground-water infiltration, as well as ground penetration.
 Prevent from entering drainage system.

6.3 Methods and material for containment and cleaning up

Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth) and dispose of according to Section 13.

6.4 Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

7.1 Precautions for safe handling

Ensure good ventilation.
 Avoid inhalation of the vapours.
 Prevent long-term skin contact.
 Keep away from sources of ignition - Do not smoke.
 Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.
 Wash hands before breaks and at end of work.
 Observe directions on label and instructions for use.
 Use working methods according to operating instructions.
 General hygiene measures for the handling of chemicals are applicable.
 Wash hands before breaks and at end of work.
 Keep away from food, drink and animal feedingstuffs.
 Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

7.2 Conditions for safe storage, including any incompatibilities

Not to be stored in gangways or stair wells.
 Store product closed and only in original packing.
 Store at room temperature.
 Keep out of access to unauthorised individuals.
 Observe special storage conditions (in Germany, e.g., in accordance with the regulations in the "Betriebssicherheitsverordnung").

7.3 Specific end use(s)

No information available at present.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Chemical Name	Naphtha (petroleum), hydrotreated heavy		Content %:80-100
WEL-TWA: 1200 mg/m ³ (normal and branched chain >= C7) (WEL), 600 mg/m ³ (AGW)	WEL-STEL: 2(II) (AGW)	---	
BMGV: ---	Other information: ---		

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Chemical Name	Isoalkanes (C9 - C12)	Content %:1- <10
WEL-TWA: 1200 mg/m ³ (normal and branched chain >= C7) (WEL), 600 mg/m ³ (AGW)	WEL-STEL: 2(II) (AGW)	---
BMGV: ---	Other information: ---	

WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.
** = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction.
If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.
Applies only if maximum permissible exposure values are listed here.

8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.
Wash hands before breaks and at end of work.
Keep away from food, drink and animal feedingstuffs.
Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:

Tight fitting protective goggles (EN 166) with side protection, with danger of projections.

Skin protection - Hand protection:

Chemical resistant protective gloves (EN 374).

Recommended

Protective nitrile gloves (EN 374)

Minimum layer thickness in mm:

0,5

Protective hand cream recommended.

Skin protection - Other:

Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments)

Respiratory protection:

Normally not necessary.

If OES or MEL is exceeded.

Gas mask filter A (EN 14387), code colour brown

Thermal hazards:

If applicable, these are included in the individual protective measures (eye/face protection, skin protection, respiratory protection).

Additional information on hand protection - No tests have been performed.

In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents.

Selection of materials derived from glove manufacturer's indications.

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.

Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.



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The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

8.2.3 Environmental exposure controls

No information available at present.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Turbid
Colour:	White
Odour:	Characteristic
Odour threshold:	Not determined
pH-value:	n.a.
Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	>=130 °C
Flash point:	36 °C
Evaporation rate:	Not determined
Flammability (solid, gas):	Yes
Lower explosive limit:	n.a.
Upper explosive limit:	n.a.
Vapour pressure:	Not determined
Vapour density (air = 1):	Not determined
Density:	0,762 g/cm ³
Bulk density:	Not determined
Solubility(ies):	Test petrol
Water solubility:	Insoluble
Partition coefficient (n-octanol/water):	Not determined
Auto-ignition temperature:	>200 °C (Ignition temperature)
Decomposition temperature:	Not determined
Viscosity:	~13 mPas (20°C, ISO 3219)
Viscosity:	~14,1 mm ² /s (40°C)
Explosive properties:	Product is not explosive.
Oxidising properties:	No

9.2 Other information

Miscibility:	Not determined
Fat solubility / solvent:	Not determined
Conductivity:	Not determined
Surface tension:	Not determined
Solvents content:	Not determined

SECTION 10: Stability and reactivity

10.1 Reactivity

See also Subsection 10.4 to 10.6.
The product has not been tested.

10.2 Chemical stability

See also Subsection 10.4 to 10.6.
Stable with proper storage and handling.

10.3 Possibility of hazardous reactions

See also Subsection 10.4 to 10.6.
No decomposition if used as intended.

10.4 Conditions to avoid

Heating, open flame, ignition sources



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10.5 Incompatible materials

See also section 7.

No dangerous reactions are known.

Avoid contact with strong oxidizing agents.

10.6 Hazardous decomposition products

See also Subsection 10.4 to 10.6.

See also section 5.3

No decomposition when used as directed.

SECTION 11: Toxicological information

Classification according to calculation procedure.

AUTOSOL® NanoProtection Hard Wax

Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:				---		n.d.a.
Acute toxicity, by dermal route:				---		n.d.a.
Acute toxicity, by inhalation:				---		n.d.a.
Skin corrosion/irritation:				---		n.d.a.
Serious eye damage/irritation:				---		n.d.a.
Respiratory or skin sensitisation:				---		n.d.a.
Germ cell mutagenicity:				---		n.d.a.
Carcinogenicity:				---		n.d.a.
Reproductive toxicity:				---		n.d.a.
Specific target organ toxicity - single exposure (STOT-SE):				---		n.d.a.
Specific target organ toxicity - repeated exposure (STOT-RE):				---		n.d.a.
Aspiration hazard:				---		n.d.a.
Respiratory tract irritation:				---		n.d.a.
Repeated dose toxicity:				---		n.d.a.
Symptoms:				---		n.d.a.

Naphtha (petroleum), hydrotreated heavy

Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>2000	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	>2000	mg/kg	Rabbit		
Acute toxicity, by inhalation:	LC50	>5	mg/l/4h	Rabbit		
Skin corrosion/irritation:				Rabbit		Mild irritant
Serious eye damage/irritation:				Rabbit		Mild irritant
Respiratory or skin sensitisation:				Guinea pig		Not sensitizing (Analogous conclusion)
Germ cell mutagenicity:				---		n.d.a.
Carcinogenicity:				---		n.d.a.
Reproductive toxicity:				---		n.d.a.
Specific target organ toxicity - single exposure (STOT-SE):				---		n.d.a.



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Specific target organ toxicity - repeated exposure (STOT-RE):				---		n.d.a.
Aspiration hazard:				---		n.d.a.
Respiratory tract irritation:				---		n.d.a.
Repeated dose toxicity:				---		n.d.a.
Symptoms:				---		unconsciousness, headaches, dizziness

Isoalkanes (C9 - C12)						
Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:				---		n.d.a.
Acute toxicity, by dermal route:				---		n.d.a.
Acute toxicity, by inhalation:				---		n.d.a.
Skin corrosion/irritation:				---		n.d.a.
Serious eye damage/irritation:				---		n.d.a.
Respiratory or skin sensitisation:				---		n.d.a.
Germ cell mutagenicity:				---		n.d.a.
Carcinogenicity:				---		n.d.a.
Reproductive toxicity:				---		n.d.a.
Specific target organ toxicity - single exposure (STOT-SE):				---		n.d.a.
Specific target organ toxicity - repeated exposure (STOT-RE):				---		n.d.a.
Aspiration hazard:				---		n.d.a.
Respiratory tract irritation:				---		n.d.a.
Repeated dose toxicity:				---		n.d.a.
Symptoms:				---		n.d.a.

SECTION 12: Ecological information

According to the recipe, contains no AOX.

AUTOSOL® NanoProtection Hard Wax							
Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:							n.d.a.
Toxicity to daphnia:							n.d.a.
Toxicity to algae:							n.d.a.
Persistence and degradability:							n.d.a.
Bioaccumulative potential:							n.d.a.
Mobility in soil:							n.d.a.
Results of PBT and vPvB assessment							n.d.a.
Other adverse effects:							n.d.a.

Naphtha (petroleum), hydrotreated heavy							
Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes



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Toxicity to fish:	LC50	96h	51	mg/l	(Oncorhynchus mykiss)		
Toxicity to daphnia:							n.d.a.
Toxicity to algae:							n.d.a.
Persistence and degradability:		28d	70	%		OECD 301 F (Ready Biodegradability - Manometric Respirometry Test)	Analogous conclusion
Bioaccumulative potential:							Yes
Mobility in soil:							n.d.a.
Results of PBT and vPvB assessment							n.d.a.
Other adverse effects:							n.d.a.
Water solubility:							Insoluble

Isoalkanes (C9 - C12)							
Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:							n.d.a.
Toxicity to daphnia:							n.d.a.
Toxicity to algae:							n.d.a.
Persistence and degradability:							Not readily biodegradable
Bioaccumulative potential:							n.d.a.
Mobility in soil:							n.d.a.
Results of PBT and vPvB assessment							No
Other adverse effects:							n.d.a.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

For the substance / mixture / residual amounts

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2001/118/EC, 2001/119/EC, 2001/573/EC)

12 01 12 spent waxes and fats

Recommendation:

Pay attention to local and national official regulations

E.g. suitable incineration plant.

E.g. dispose at suitable refuse site.

For contaminated packing material

Pay attention to local and national official regulations

Empty container completely.

Dispose of packaging that cannot be cleaned in the same manner as the substance.

Untampered packaging can be recycled.

15 01 02 plastic packaging

SECTION 14: Transport information

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General statements

UN number:

3295

Transport by road/by rail (ADR/RID)

UN proper shipping name:

UN 3295 HYDROCARBONS, LIQUID, N.O.S.

Transport hazard class(es):

3

Packing group:

III

Classification code:

F1

LQ (ADR 2011):

5 L

LQ (ADR 2009):

7

Environmental hazards:

Not applicable

Tunnel restriction code:

D/E

Transport by sea (IMDG-code)

UN proper shipping name:

HYDROCARBONS, LIQUID, N.O.S.

Transport hazard class(es):

3

Packing group:

III

EmS:

F-E, S-D

Marine Pollutant:

n.a

Environmental hazards:

Not applicable

Transport by air (IATA)

UN proper shipping name:

Hydrocarbons, liquid, n.o.s.

Transport hazard class(es):

3

Packing group:

III

Environmental hazards:

Not applicable

Special precautions for user

Persons employed in transporting dangerous goods must be trained.

All persons involved in transporting must observe safety regulations.

Precautions must be taken to prevent damage.

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

Freighted as packaged goods rather than in bulk, therefore not applicable.

Additional information:

Danger code and packing code on request.

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

For classification and labelling see Section 2.

Observe restrictions:

Yes

Observe youth employment law (German regulation).

Regulation (EC) No 1907/2006, Annex XVII.

VOC 1999/13/EC ~ 96% w/w

15.2 Chemical safety assessment

No information available at present.

SECTION 16: Other information

These details refer to the product as it is delivered.

Revised sections:

1 - 16

The following statements are the indicated R-phrases / H-phrases and classification codes (GHS/CLP) for the ingredients (listed in Section 3).



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10 Flammable.
53 May cause long-term adverse effects in the aquatic environment.
65 Harmful: may cause lung damage if swallowed.
66 Repeated exposure may cause skin dryness or cracking.
67 Vapours may cause drowsiness and dizziness.
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H336 May cause drowsiness or dizziness.
H413 May cause long lasting harmful effects to aquatic life.

Flam. Liq.-Flammable liquid
Asp. Tox.-Aspiration hazard
STOT SE-Specific target organ toxicity - single exposure - narcotic effects
Aquatic Chronic-Hazardous to the aquatic environment - chronic

Legend:

n.a. = not applicable / n.v., k.D.v. = n.av. = not available / n.g. = n.c. = not checked
WEL = Workplace Exposure Limit EH40, TWA = Long-term exposure limit (8-hour TWA (= time weighted average) reference period), STEL = Short-term exposure limit (15-minute reference period) / BMGV = Biological monitoring guidance value EH40
AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany) / BGW = "Biologischer Grenzwert" (biological limit value, Germany)
VbF = Regulations for flammable liquids (Austria)
VOC = Volatile organic compounds
AOX = Adsorbable organic halogen compounds
ATE = Acute Toxicity Estimates according to Regulation (EC) 1272/2008 (CLP)

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.
No responsibility.

These statements were made by:

Chemical Check GmbH, Wöbbeler Straße 2-4, D-32839 Steinheim, Tel.: +49 5233 94 17 0, +49 1805-CHEMICAL / +49 180 52 43 642, Fax: +49 5233 94 17 90, +49 180 50 50 455

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