



WOOD FINISHES DIRECT

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For purchasing information visit:
[Osmo Polyx Oil Anti-Slip](#)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 06.01.2014

Version number 5

Revision: 06.01.2014

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

1.1 Product identifier

Trade name: Osmo Hardwax-Oil Anti-Slip

Article number: 3088; 3089

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

advised against No further relevant information available.

Application of the substance / the preparation

Coating compound/ Surface coating/ paint
Paint

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Osmo Holz und Color GmbH & Co. KG
Affhüppen Esch 12
D-48231 Warendorf

Further information obtainable from:

Product safety department
Phone: +49 (0) 251 / 692 - 188
Fax: +49 (0) 251 / 692 - 462
e-mail: helmut.starp@osmo.de

1.4 Emergency telephone number:

emergency phone no. Berlin (24h): +49 (0) 30 / 30686 790 advisory service in German and English

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to

Regulation (EC) No 1272/2008 The product is not classified according to the CLP regulation.

Classification according to

Directive 67/548/EEC or Directive

1999/45/EC Not applicable.

Information concerning

particular hazards for human and environment:

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

The classification is according to the latest editions of the EU-lists and extended by company and literature data.

2.2 Label elements

Labelling according to Regulation

(EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

(Contd. on page 2)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 06.01.2014

Version number 5

Revision: 06.01.2014

Trade name: Osmo Hardwax-Oil Anti-Slip

(Contd. of page 1)



Precautionary statements

P102 Keep out of reach of children.
 P101 If medical advice is needed, have product container or label at hand.
 P262 Do not get in eyes, on skin, or on clothing.
 P271 Use only outdoors or in a well-ventilated area.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

Observe the general safety regulations when handling chemicals.
 Always wear a dust mask when sanding.
 Contains 2-butanonoxime. May produce an allergic reaction.
 Safety data sheet available on request.

2.3 Other hazards**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients****3.2 Mixtures****Description:** Mixture of substances listed below with nonhazardous additions.**Dangerous components:**

CAS: 64742-48-9	aliphatic hydrocarbons, C10-C13	25-50%
Index number: 649-327-00-6	 Xn R65	
Reg.nr.: 01-2119457273-39	R66	
	 Asp. Tox. 1, H304	

Additional information: For the wording of the listed risk phrases refer to section 16.**SECTION 4: First aid measures****4.1 Description of first aid measures****General information:**

Take affected persons out into the fresh air.
 Immediately remove any clothing soiled by the product.

After inhalation:

Supply fresh air; consult doctor in case of complaints.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.
 If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing:

If swallowed, seek medical advice immediately and show this container or label.

4.2 Most important symptoms and effects, both acute and delayed

Dizziness
 Headache

(Contd. on page 3)

Safety data sheet
 according to 1907/2006/EC, Article 31

Printing date 06.01.2014

Version number 5

Revision: 06.01.2014

Trade name: Osmo Hardwax-Oil Anti-Slip

(Contd. of page 2)

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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:

No special measures required.

Additional information

Cool endangered receptacles with water spray.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation
 Keep away from ignition sources.

6.2 Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.
 Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Warm water and cleansing agent
 Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).

6.4 Reference to other sections

No dangerous substances are released.

SECTION 7: Handling and storage

7.1 Precautions for safe handling Use only in well ventilated areas.
 Keep receptacles tightly sealed.
 No special measures required.

Information about fire - and explosion protection:

No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store only in the original receptacle.

(Contd. on page 4)

Safety data sheet
 according to 1907/2006/EC, Article 31

Printing date 06.01.2014

Version number 5

Revision: 06.01.2014

Trade name: Osmo Hardwax-Oil Anti-Slip

(Contd. of page 3)

Information about storage in one common storage facility:

Not required.

Further information about storage conditions:

None.

7.3 Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities:

No further data; see item 7.

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

64742-48-9 aliphatic hydrocarbons, C10-C13

TWA (8 H)	Long-term value: 1.000 mg/m ³ , 150 ppm ppm Source: UK SIA
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Additional information:

The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Do not eat, drink, smoke or sniff while working.

Do not carry product impregnated cleaning cloths in trouser pockets.

Avoid contact with the eyes and skin.

Respiratory protection:

Use suitable respiratory protective device only when aerosol or mist is formed.

Not necessary if room is well-ventilated.

Short term filter device:

Gas filter EN 14387 Type A (organic gas / vapor (boiling point > 65 °C)).

Protection of hands:

To avoid skin problems reduce the wearing of gloves to the required minimum.

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

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 trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the permanent contact gloves made of the following materials are suitable:

Nitrile rubber, NBR

For the permanent contact of a maximum of 15 minutes gloves

(Contd. on page 5)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 06.01.2014

Version number 5

Revision: 06.01.2014

Trade name: Osmo Hardwax-Oil Anti-Slip

(Contd. of page 4)

*made of the following materials
are suitable:*

Nitrile rubber, NBR

Eye protection: Goggles recommended during refilling

Body protection: Protective work clothing

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:	Viscous
Colour:	Yellowish
Odour:	Mild

Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	> 144 °C

Flash point: > 61 °C (DIN 53213)

Ignition temperature: 240 °C

Self-igniting: Product is not selfigniting.

Danger of explosion: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

Explosion limits:

Lower:	0.7 Vol %
Upper:	6.0 Vol %

Vapour pressure at 20 °C: 1 hPa

Density at 20 °C: 0.90-0.91 g/cm³ (DIN 51757)

Solubility in / Miscibility with water:

Not miscible or difficult to mix.

Viscosity:

Kinematic at 20 °C: 30-34 s (DIN 53211/4mm)

Solvent content:

VOC (EC) < 500 g/l (VOC-max. = 500 g/l (2010 A/i))

9.2 Other information No further relevant information available.

(Contd. on page 6)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 06.01.2014

Version number 5

Revision: 06.01.2014

Trade name: Osmo Hardwax-Oil Anti-Slip

(Contd. of page 5)

SECTION 10: Stability and reactivity**10.1 Reactivity****10.2 Chemical stability**

**Thermal decomposition /
conditions to be avoided:**

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

Reacts with fabric soaked in the product (e.g. cleaning wool).

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials:

No further relevant information available.

10.6 Hazardous decomposition products:Carbon monoxide and carbon dioxide
Nitrogen oxides (NO_x)**Additional information:**

Warning:

Wash out any used cloth impregnated with this product immediately after use or store in an airtight container (danger of self-ignition)

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute toxicity:****LD/LC50 values relevant for classification:****64742-48-9 aliphatic hydrocarbons, C10-C13**

Oral	LD50	> 5000 mg/kg (rat) (OECD 401)
Dermal	LD50	> 5000 mg/kg (rat) (OECD 402)
Inhalative	LC50 / 4h	>20 mg/l (rat) (OECD 403)

Primary irritant effect:**on the skin:**

At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

on the eye:

Irritating effect.

Sensitization:

Sensitizing effect by skin contact is possible by prolonged exposure.

Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

Sensitisation

Contains 2-butanonoxime. May produce an allergic reaction.

(Contd. on page 7)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 06.01.2014

Version number 5

Revision: 06.01.2014

Trade name: Osmo Hardwax-Oil Anti-Slip

(Contd. of page 6)

SECTION 12: Ecological information**12.1 Toxicity****Aquatic toxicity:****64742-48-9 aliphatic hydrocarbons, C10-C13**

EC50 / 48h > 1000 mg/l (daphnia) (OECD 202)

EC50/ 72h > 1000 mg/l (algae) (OECD 201)

LC50 / 96h > 1000 mg/l (fish) (OECD 203)

12.2 Persistence and degradability No further relevant information available.**12.3 Bioaccumulative potential** 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 product 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****Recommendation** Must not be disposed together with household garbage. Do not allow product to reach sewage system.**European waste catalogue**

08 01 11* waste paint and varnish containing organic solvents or other dangerous substances

15 01 10* packaging containing residues of or contaminated by dangerous substances

Uncleaned packaging:**Recommendation:** Disposal must be made according to official regulations.**SECTION 14: Transport information****14.1 UN-Number****ADR, ADN, IMDG, IATA** Void**14.2 UN proper shipping name****ADR, ADN, IMDG, IATA** Void

(Contd. on page 8)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 06.01.2014

Version number 5

Revision: 06.01.2014

Trade name: Osmo Hardwax-Oil Anti-Slip

(Contd. of page 7)

14.3 Transport hazard class(es)	
ADR, ADN, IMDG, IATA Class	Void
14.4 Packing group	
ADR, IMDG, IATA	Void
14.5 Environmental hazards:	
Marine pollutant:	No
14.6 Special precautions for user	
	Not applicable.
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	
	Not applicable.
UN "Model Regulation":	
	-

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

GISCODE: Ö60

VOC (EC)

< 500 g/l (VOC-max. = 500 g/l (2010 A/i))

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

H304 May be fatal if swallowed and enters airways.

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

Department issuing MSDS:

product safety department

Contact:

Hr. Dr. Starp

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)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized 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)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 22.05.2013

Version number 1

Revision: 22.05.2013

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

1.1 Product identifier

Trade name: **3089 Polyx-oil, anti-slip extra**

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

Application of the substance / the preparation No further relevant information available.

Application of the substance / the preparation Paint
Coating compound/ Surface coating/ paint

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Osmo Holz und Color GmbH & Co. KG
Affhüppen Esch 12
D-48231 Warendorf

Further information obtainable from:

Product safety department
Phone: +49 (0) 251 / 692 - 188
Fax: +49 (0) 251 / 692 - 462
e-mail: helmut.starp@osmo.de

1.4 Emergency telephone number:

emergency phone no. Berlin (24h): +49 (0) 30 / 30686 790 advisory service in German and English

2 Hazards identification

2.1 Classification of the substance or mixture

Classification according to Directive 67/548/EEC or Directive 1999/45/EC Not applicable.

Information concerning particular hazards for human and environment:

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system: The classification is according to the latest editions of the EU-lists and extended by company and literature data.

2.2 Label elements

Labelling according to EU guidelines:

Although this product is not subject to identification regulations, we recommend that the safety suggestions are observed.

Safety phrases:

- 2 Keep out of the reach of children.
- 24/25 Avoid contact with skin and eyes.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 46 If swallowed, seek medical advice immediately and show this container or label.

(Contd. on page 2)

Safety data sheet
 according to 1907/2006/EC, Article 31

Printing date 22.05.2013

Version number 1

Revision: 22.05.2013

Trade name: 3089 Polyx-oil, anti-slip extra

(Contd. of page 1)

51 Use only in well-ventilated areas.

Special labelling of certain preparations:

Warning:

Wash out any used cloth impregnated with this product immediately after use or store in an airtight container (danger of self-ignition)

Contains 2-butanonoxime. May produce an allergic reaction.

Safety data sheet available for professional user on request.

Additional information:

Observe the general safety regulations when handling chemicals.

Always wear a dust mask when sanding.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.



vPvB: Not applicable.

3 Composition/information on ingredients

3.2 Chemical characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 64742-48-9	aliphatic hydrocarbons, C10-C13	25-60%
EC number: 918-481-9	 Xn R65	
Index number: 649-327-00-6	R66	
Reg.nr.: 01-2119457273-39	 Asp. Tox. 1, H304	

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

4 First aid measures

4.1 Description of first aid measures

General information:

Take affected persons out into the fresh air.

Immediately remove any clothing soiled by the product.

After inhalation:

Supply fresh air; consult doctor in case of complaints.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing:

If swallowed, seek medical advice immediately and show this container or label.

4.2 Most important symptoms and effects, both acute and delayed

Dizziness

Headache

(Contd. on page 3)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 22.05.2013

Version number 1

Revision: 22.05.2013

Trade name: 3089 Polyx-oil, anti-slip extra

(Contd. of page 2)

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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:

No special measures required.

Additional information

Cool endangered receptacles with water spray.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation
Keep away from ignition sources.

6.2 Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Warm water and cleansing agent
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).

6.4 Reference to other sections

No dangerous substances are released.

7 Handling and storage

7.1 Precautions for safe handling Use only in well ventilated areas.
Keep receptacles tightly sealed.
No special measures required.

Information about fire - and explosion protection:

No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store only in the original receptacle.

(Contd. on page 4)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 22.05.2013

Version number 1

Revision: 22.05.2013

Trade name: 3089 Polyx-oil, anti-slip extra

(Contd. of page 3)

Information about storage in one common storage facility:

Not required.

Further information about storage conditions:

None.

Storage class:

6.1 C

7.3 Specific end use(s)

No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical facilities:

No further data; see item 7.

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

64742-48-9 aliphatic hydrocarbons, C10-C13

TWA (8 H)	Long-term value: 1.000 mg/m ³ , 150 ppm ppm Source: UK SIA
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Additional information:

The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Do not eat, drink, smoke or sniff while working.

Do not carry product impregnated cleaning cloths in trouser pockets.

Avoid contact with the eyes and skin.

Respiratory protection:

Use suitable respiratory protective device only when aerosol or mist is formed.

Not necessary if room is well-ventilated.

Short term filter device:

Gas filter EN 14387 Type A (organic gas / vapor (boiling point > 65 °C)).

Protection of hands:

To avoid skin problems reduce the wearing of gloves to the required minimum.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

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.

For the permanent contact gloves made of the following materials are suitable:

Nitrile rubber, NBR

(Contd. on page 5)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 22.05.2013

Version number 1

Revision: 22.05.2013

Trade name: 3089 Polyx-oil, anti-slip extra

(Contd. of page 4)

Recommended thickness of the material: ≥ 0.4 mm

For the mixture of chemicals mentioned below the penetration time has to be at least 480 minutes (Permeation according to EN 374 Part 3: Level 6).

For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:

Nitrile rubber, NBR

Eye protection:

Goggles recommended during refilling

Body protection:

Protective work clothing

9 Physical and chemical properties**9.1 Information on basic physical and chemical properties****General Information****Appearance:**

Form:	Viscous
Colour:	Yellowish
Odour:	Mild

Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	> 144 °C

Flash point: > 61 °C (DIN 53213)**Ignition temperature:** 240 °C**Self-igniting:** Product is not selfigniting.**Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.**Explosion limits:**

Lower:	0.7 Vol %
Upper:	6.0 Vol %

Vapour pressure at 20 °C: 1 hPa**Density at 20 °C:** 0.89-0.90 g/cm³ (DIN 51757)**Solubility in / Miscibility with water:**

Not miscible or difficult to mix.

Viscosity:**Kinematic at 20 °C:** 32-36 s (DIN 53211/4mm)**Solvent content:****VOC (EC)** < 500 g/l (VOC-max. = 500 g/l (2010 A/i))

(Contd. on page 6)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 22.05.2013

Version number 1

Revision: 22.05.2013

Trade name: 3089 Polyx-oil, anti-slip extra

(Contd. of page 5)

9.2 Other information

No further relevant information available.

10 Stability and reactivity**10.1 Reactivity****10.2 Chemical stability****Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

Reacts with fabric soaked in the product (e.g. cleaning wool).

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials:

No further relevant information available.

10.6 Hazardous decomposition products:

Formation of toxic gases is possible during heating or in case of fire.
Nitrogen oxides (NO_x)
Carbon monoxide and carbon dioxide

Additional information:

Warning:

Wash out any used cloth impregnated with this product immediately after use or store in an airtight container (danger of self-ignition)

11 Toxicological information**11.1 Information on toxicological effects****Acute toxicity:****LD/LC50 values relevant for classification:****64742-48-9 aliphatic hydrocarbons, C10-C13**

Oral	LD50	> 5000 mg/kg (rat) (OECD 401)
Dermal	LD50	> 5000 mg/kg (rat) (OECD 402)
Inhalative	LC50 / 4h	>20 mg/l (rat) (OECD 403)

Primary irritant effect:**on the skin:**

At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

on the eye:

Irritating effect.

Sensitization:

Sensitizing effect by skin contact is possible by prolonged exposure.

Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

(Contd. on page 7)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 22.05.2013

Version number 1

Revision: 22.05.2013

Trade name: 3089 Polyx-oil, anti-slip extra

(Contd. of page 6)

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

12 Ecological information

12.1 Toxicity

Aquatic toxicity:

64742-48-9 aliphatic hydrocarbons, C10-C13

Biolog. Abbaubarkeit	(-) (leicht abbaubar)
EC50/ 72h	> 1000 mg/l (algae) (OECD 201)
LC50 / 96h	> 1000 mg/l (fish) (OECD 203)

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

Additional ecological information:

General notes: Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Danger to drinking water if even small quantities leak into the ground.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

13 Disposal considerations

13.1 Waste treatment methods

Recommendation Smaller quantities can be disposed of with household waste.
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

14 Transport information

14.1 UN-Number

ADR, ADN, IMDG, IATA Void

14.2 UN proper shipping name

ADR, ADN, IMDG, IATA Void

(Contd. on page 8)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 22.05.2013

Version number 1

Revision: 22.05.2013

Trade name: 3089 Polyx-oil, anti-slip extra

(Contd. of page 7)

14.3 Transport hazard class(es)	
ADR, ADN, IMDG, IATA Class	Void
14.4 Packing group	
ADR, IMDG, IATA	Void
14.5 Environmental hazards:	
Marine pollutant:	No
14.6 Special precautions for user	
	Not applicable.
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	
	Not applicable.

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

GISCODE: Ö60

VOC (EC)

< 500 g/l (VOC-max. = 500 g/l (2010 A/i))

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.**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

H304 May be fatal if swallowed and enters airways.

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

Department issuing MSDS:

product safety department

Contact:

Hr. Dr. Starp

*** Data compared to the previous version altered.**