

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

Printing date 13.02.2015

Version number 3

Revision: 13.02.2015

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

1.1 Product identifier

Trade name: **5735 Osmo End Grain Sealing Wax**

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

Application of the substance / the mixture Coating compound/ Surface coating/ paint

advised against No further relevant information available.

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

Flam. Liq. 3 H226 Flammable liquid and vapour.

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

R10: Flammable.

Information concerning particular hazards for human and environment:

The product has 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

Hazard pictograms

The product is classified and labelled according to the CLP regulation.



GHS02

Signal word

Warning

Hazard statements

H226 Flammable liquid and vapour.

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

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P103 Read label before use.
 P210 Keep away from heat/open flames. - No smoking.
 P271 Use only outdoors or in a well-ventilated area.
 P262 Do not get in eyes, on skin, or on clothing.
 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.

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 EC number: 918-481-9 Index number: 649-327-00-6 Reg.nr.: 01-2119457273-39	aliphatic hydrocarbons, C10-C13  Xn R65 R66 -----  Asp. Tox. 1, H304	25-50%
CAS: 64742-49-0 EC number: 927-241-2 Index number: 649-328-00-1 Reg.nr.: 01-2119471843-32	aliphatic hydrocarbons, C9-C10  Xn R65 R10-52/53-66-67 -----  Flam. Liq. 3, H226;  Asp. Tox. 1, H304;  STOT SE 3, H336; Aquatic Chronic 3, H412	10-<15%

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:**

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

After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

After skin contact:

In case of unconsciousness place patient stably in side position for transportation.

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.

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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 Headache
 Disziness

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.

For safety reasons unsuitable extinguishing agents: Water with full jet

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: Mouth respiratory protective device.
Additional information Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
 Cool endangered receptacles with water spray.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.
 Keep away from ignition sources.
 Ensure adequate ventilation

6.2 Environmental precautions: Inform respective authorities in case of seepage into water course or sewage system.

6.3 Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).
 Ensure adequate ventilation.
 Warm water and cleansing agent

6.4 Reference to other sections See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling Keep away from heat and direct sunlight.
 Keep receptacles tightly sealed.
 Use only in well ventilated areas.
 Prevent formation of aerosols.

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Information about fire - and explosion protection:

Protect against electrostatic charges.
 Keep ignition sources away - Do not smoke.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store in a cool location.
 Store only in the original receptacle.

Information about storage in one common storage facility:

Do not store together with alkalis (caustic solutions).
 Do not store together with oxidising and acidic materials.

Further information about storage conditions:

Keep container tightly sealed.
 Store in cool, dry conditions in well sealed receptacles.

Storage class:

3

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

Additional information:

The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Immediately remove all soiled and contaminated clothing
 Keep away from foodstuffs, beverages and feed.
 Avoid contact with the eyes and skin.
 Do not eat, drink, smoke or sniff while working.
 Do not carry product impregnated cleaning cloths in trouser pockets.

Respiratory protection:

Not necessary if room is well-ventilated.
 Use suitable respiratory protective device only when aerosol or mist is formed.
 Short term filter device:
 Gas filter EN 14387 Type A (organic gas / vapor (boiling point > 65 °C)).

Protection of hands:

Protective gloves

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	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	Nitrile rubber, NBR
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 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).
As protection from splashes gloves made of the following materials are suitable:	Nitrile rubber, NBR
Eye protection:	Tightly sealed goggles
Body protection:	Protective work clothing

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

Form:	Fluid
Colour:	Yellowish
Odour:	Mild

Change in condition

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

Flash point: 45-52 °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 % (Bezug: Lösemittel)
Upper:	6.0 Vol % (Bezug: Lösemittel)

Vapour pressure at 20 °C: 10 hPa

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Density at 20 °C:	0.88-0.90 g/cm ³ (DIN 51757)
Solubility in / Miscibility with water:	Not miscible or difficult to mix.
Viscosity: Kinematic at 20 °C:	25-35 s (DIN 53211/4)
Solvent content: VOC (EC)	< 500 g/l (VOC-max. = 500 g/l (2010 A/i))
9.2 Other information	No further relevant information available.

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	> 5 mg/l (rat) (OECD 403)

64742-49-0 aliphatic hydrocarbons, C9-C10

Oral	LD50	>2000 mg/kg (rat)
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Dermal	LD50	>2000 mg/kg (rat)
Inhalative	LC50 / 4h	>20 mg/l (rat)
96-29-7 2-butanonoxime		
Oral	LD50	3700 mg/kg (rat)
Dermal	LD50	200-2000 mg/kg (rat)
Inhalative	LC50 / 4h	>10.5 mg/l (rat)

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:	not tested
Sensitisation:	Sensitising effect by skin contact is possible by prolonged exposure.
Sensitisation	Contains 2-butanonoxime. May produce an allergic reaction.

SECTION 12: Ecological information

12.1 Toxicity**Aquatic toxicity:****64742-48-9 aliphatic hydrocarbons, C10-C13**

Biolog. Abbaubarkeit	(-) (leicht abbaubar)
EC50 / 48h	> 1000 mg/l (daphnia) (OECD 202)
EC50/ 72h	> 1000 mg/l (algae) (OECD 201)
LC50 / 96h	> 1000 mg/l (fish) (OECD 203)

64742-49-0 aliphatic hydrocarbons, C9-C10

EC50 / 24h	<130 mg/kg (Oncorhynchus mykiss (Regenbogenforelle)) >100 mg/kg (selenastrum capricornutum)
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12.2 Persistence and degradability No further relevant information available.**12.3 Bioaccumulative potential****64742-49-0 aliphatic hydrocarbons, C9-C10**

log POW	4-5.7 (-)
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12.4 Mobility in soil No further relevant information available.**12.5 Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Other adverse effects** No further relevant information available.

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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.

Uncleaned packaging:

Recommendation:

Disposal must be made according to official regulations.

Recommended cleansing agents: Solvent naphtha

SECTION 14: Transport information

14.1 UN-Number

ADR, IMDG, IATA

UN1263

14.2 UN proper shipping name

ADR

1263 PAINT

IMDG, IATA

PAINT

14.3 Transport hazard class(es)

ADR

Class

3 (F1) Flammable liquids.

Label

3

IMDG, IATA

Class

3 Flammable liquids.

Label

3

14.4 Packing group

ADR, IMDG, IATA

III

14.5 Environmental hazards:

Marine pollutant:

No

14.6 Special precautions for user

Warning: Flammable liquids.

Danger code (Kemler):

30

EMS Number:

F-E,S-E

14.7 Transport in bulk according to Annex II of

MARPOL73/78 and the IBC Code

Not applicable.

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Transport/Additional information:**ADR****Limited quantities (LQ)**

5L

Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

Transport category

3

Tunnel restriction code

D/E

IMDG**Limited quantities (LQ)**

5L

Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

UN "Model Regulation":

UN1263, PAINT, 3, III

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

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

R10 Flammable.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

Department issuing MSDS: product safety department**Contact:** Hr. Dr. Starp

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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 Harmonised 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
Flam. Liq. 3: Flammable liquids, Hazard Category 3
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
Asp. Tox. 1: Aspiration hazard, Hazard Category 1
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

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