

Manufacturer : Ostermann & Scheiwe GmbH & Co. D-48155 Münster
Product Name : OSMO COLOR Wood Wax Finish Opaque
Date : 09.04.98 **Last Revision** : 10.06.97 **Page** : 1 / 6

01. Substances - Manufacturing - Company Information

Product Name

OSMO COLOR Wood Wax Finish Opaque

Manufacturer

Ostermann & Scheiwe GmbH & Co.

Street/P.O. Box

P.O. Box 63 40

Country/Postal Code/City

D-48033 Münster

Phone/Fax

Telephone: +49 (0)251 / 692-0

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02. Composition/Information on components

Chemical characterization

Mixture of binding agents on the base of natural vegetable oils and waxes and pigments in disaromatized white spirit.

Hazardous components

Disaromatized white spirit (aliphatic and isoaliphatic hydrocarbons)

Quantity : 30 - 40 % **CAS-Number** : 64742-48-9

Substance Symbol: Xn **R** : 65

03. Possible Hazards

Hazard identification on inner packaging

none

Particular information pertaining to specific risks for humans and the environment

none known

04. First Aid Measures

General

Contaminated clothing should be removed immediately

If symptoms develop or if unsure - contact your physician immediately.

If unconsciousness occurs put the person in a stable side position and call a physician immediately.

Inhalation

Provide plenty of fresh air and keep the person warm

If respiratory problems occur, artificial respiration is advised

Call a physician

Skin Contact

Wash off with soap and water, rinse

Do not use any organic solvents/thinners!

Eye Contact

Flush with plenty of water (10-15 Min.)

Call a physician.

Digestion

Call a physician.

Calm the person

DO NOT INDUCE VOMITING!

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05. Fire Fighting Measures

Extinguishing media

Foam (resistant to hydrocarbons), CO₂, powder extinguisher, mist (H₂O)

NOT suitable extinguishing media

Water (except H₂O Mist)

Special hazards posed by the substance itself, the product, waste products of combustion or gasses as a result of combustion.

During the combustion process thick, black smoke will develop.

By-products of the combustion process can cause serious health problems.

Special protection gear

Breathing protection mask may be advised.

Additional Information

Protect containers from spontaneous combustion that are close to the source of the flames by cooling with water.

06. Accidental release measures

General Precautions for handling

Remove the source of the fire

Assure plenty of fresh air

See also sections 7 and 8

Environmental Precautions

Do not let the product get into the sewage system

If rivers, lakes or sewage systems are contaminated the proper local authorities and/or government agencies need to be informed immediately.

Absorption and clean-up procedures

Released material needs to be secured with non-flammable absorbent materials (e.g. sand, soil, Vermiculite) and packaged in the proper containers for final disposal according to local law.

Clean-up thoroughly with detergent. Organic solvents are not recommended.

07. Handling and Storage

General Information for safe application

Provide good ventilation

The material should only be used in rooms with no open flames or other sources of ignition.

Observe all local and federal laws that pertain to the handling and storage of products of this category.

Measures to prevent combustion and/or explosion

(European Requirements)

Keep away from open flames - No smoking

Ignition Group : G3

Fire Rating : B

Requirements for warehousing facilities and containers

Keep containers closed. Do not empty containers under use of air pressure.

No smoking. Entry only for authorized personnel.

Opened containers must be closed carefully and stored upright to prevent any leakage.

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Combined Warehousing

Do not store with acid, alkaline or oxidizing substances.

Additional information for warehousing

Always store in the original containers. Observe all information on the container and protect from heat and intensive exposure to sunlight. Store containers in a dry and cool place.

Storage Class (VCI) : 3 B

(VCI = German Classification)

08. Exposure Limits and protection gear

Additional information on technical requirements

Ensure good ventilation.

Substances with exposure limits (ref. to the workplace)

Disaromatized White Spirit	CAS : 64742-48-9
Specification	: MAK
Quantity	: 200,0000 ml/m3 / 1000,0000 mg/m3
Max. Limit	: 4
As per (mm/yy)	: 06 / 97

Protection Gear

General protection and hygiene

The normal rules for handling chemicals apply.

Breathing mask

Not necessary. Avoid breathing vapors.

Skin protection

Wear rubber gloves.

After washing hands the lost moisture should be replaced by using a moisturized lotion.

Eye protection

Use safety glasses.

09. Physical and chemical properties

Appearance

Consistency	: liquid
Color	: div. colors
Odor	: mild

Safety Data

Change in consistency :

Boiling point:	(1013 hPa)	100 -	210 °C	DIN 51751
Self combustion point :		ca	210 °C	white spirit
Explosion :				
Upper - Lower :		0,5 Vol%	6,5 Vol%	White spirit
Pressure :	(20 °C)		3 hPa	White spirit
Density :	(20 °C)		1,2 - 1,3 g/cm3	DIN 51757
H2O-Solubility :	(20 °C)	not water soluble		
Viscosity :				thixotropic
Emptying Test :	(20 °C)		approx. 35-45 s	DIN-Cup 4 mm
Flash point :			57 °C	DIN 53213

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10. Stability and reactivity

Conditions to avoid

None if handled according to section 7

Substances to avoid

Do not store with strong acid, alkaline or oxidizing substances to avoid exothermic reactions.

Dangerous decomposition products

At high temperatures dangerous waste products such as carbon dioxide, carbon monoxide, smoke and nitrogen oxide, can develop.

11. Toxicological information

Acute toxicity

Categorization under LD50/LC50

Specification : LD-50
Method of ingestion : oral
Test species : rat
Quantity / Doses : > 6400 mg/kg
Ref. : Ref. Substance : Solvent

Specification : LD-50
Method of ingestion : percutan
Test species : rabbit
Quantity / Doses : > 3200 mg/kg
Ref. : Ref. Substance : Solvent

Specification : LC-50
Method of ingestion : inhalativ
Test species : rat
Quantity / Doses : > 14 mg/l **Duration of the Test** : 4 Std.
Ref. : Ref. Substance : Solvent

Practical Experiences

There is no information on the manufacturing process available.

Inhalation/Eye contact: If ingested through inhalation in large quantities an irritation of the mucous membranes, general drowsiness and prolonged reaction time may occur. Prolonged exposure and the inhalation of massive quantities of vapor can cause headache, dizziness and nausea. On contact the product may cause skin resorption as well as inflammation of the skin and mucous membranes. Eye contact may lead to serious tissue inflammation.

Additional toxicological information

The toxicological classification was done according to the procedures described in the „Allgemeinen Zubereitungsrichtlinien (88-379-EWG)“.

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12. Information on Ecology

Information on elimination (Persistence and degradability)

There is no information on the product available.

More information on Ecology

Do not let the product get into open waters or sewer systems.

13. Waste Management

Substance/Product

Recommendation

As per local requirements the material should be disposed of in a suitable incineration plant
Waste Category as per TA-Abfall (German waste management requirement)

55512 / Lacquers, Paint, not cured (SAV)

Contaminated Packaging

Recommendation

Contaminated packaging should be emptied out. After clean-up it can be recycled within the regular recycling systems. For contaminated packaging the same rules for disposal apply than recommended for the substance.
Waste Category as per TA-Abfall (German waste management requirement)

35106 / iron metal containers contaminated with a hazardous substance(SAV/SAD)

14. Transport Information

Road Transport ADR/RID and GGVS/GGVE

Classifications

GGVS/GGVE	: Class	3	Sub.	31	Section	C
RID/ADR	: Class	3	Sub.	31	Section	C
UN #	: 1263					
Kemler #	: 30					

Name-Category

Paint

Packaging

Hazard Class

3

Mail Transport authorized (Y/N) ? : Germany Y

Ocean Transport IMDG/GGVSee

Classification

IMDG-Code	: 3.3	IMDG-Page	: 3372
UN-number	: 1263	MarPol	: --
MFAG-Chart	: 310	EmS-number	: 3-05

Technical Name

PAINT

Packaging

Packaging Group III

Hazard Class 3

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Air Cargo ICAO-TI and IATA-DGR

Classification

ICAO-IATA-Class : 3
UN-number : 1263
Technical Name
PAINT
Packaging
Packaging Group III

15. Regulations

Marking as per EG-Requirements

Identifiacation Code and Hazard Code of the product
no hazard codes
R-Code
none
S-Code
none

National Rules (Germany only)

Verordnung über brennbare Flüssigkeiten

VbF-Klasse AIII

Wassergefährdungsklasse

WGK 1 VwVwS

16. Other Information

Other information can be found in our brochures and technical data sheets.

Issuing Department

OSMO COLOR Manufacturing Facilities

Issued by:

Dr. Berlekamp, Chemist

All information in this MSDS have been compiled to our best knowledge and the latest science. However, they shall not constitute a guarantee for any specific product feature and shall not establish a legally valid contractual relationship.
