

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/24/2018

Reviewed on 05/24/2018

1 Identification

Product identifier

Trade name: Osmo One Coat Only HS Plus

Article number: 9221, 9232, 9235, 9241, 9242, 9261, 9262, 9264, 9271

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

Details of the supplier of the safety data sheet

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

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

Emergency telephone number: 24h-Emergency Phone Number:
 For Chemical Emergency, Spill; Leak; Fire Exposure or Accident Call Day or Night within USA and Canada 1-800-424-9300
 Outside USA and Canada 001-703-527-3887 (WISAG FMO cargo Services GmbH & Co.KG)

2 Hazard(s) identification

Classification of the substance or mixture

Flam. Liq. 4 H227 Combustible liquid.

Label elements

GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms Void

Signal word Warning

Hazard statements H227 Combustible liquid.

Precautionary statements P102 Keep out of reach of children.

P101 If medical advice is needed, have product container or label at hand.

P210 Keep away from flames and hot surfaces. – No smoking.

P262 Do not get in eyes, on skin, or on clothing.

P271 Use only outdoors or in a well-ventilated area.

P370+P378 In case of fire: Use for extinction: CO₂, powder or water spray.

P403+P235 Store in a well-ventilated place. Keep cool.

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.

(Contd. on page 2)

Safety Data Sheet
acc. to OSHA HCS

Printing date 05/24/2018

Reviewed on 05/24/2018

Trade name: Osmo One Coat Only HS Plus

(Contd. of page 1)

Classification system:

NFPA ratings (scale 0 - 4) Health = 0
Fire = 2
Reactivity = 0

HMIS-ratings (scale 0 - 4) Health = 0
Fire = 2
Reactivity = 0

Other hazards CAUTION: Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water filled metal container to prevent this.


Results of PBT and vPvB assessment

PBT: Not applicable.
vPvB: Not applicable.

3 Composition/information on ingredients**Chemical characterization: Mixtures**

Description: Mixture of the substances listed below with nonhazardous additions.

Dangerous components:

64742-48-9	aliphatic hydrocarbons, C10-C13	 Asp. Tox. 1, H304; Flam. Liq. 4, H227	10-25%
7727-43-7	barium sulphate, natural		2.5-10%
8002-74-2	Paraffin waxes and Hydrocarbon waxes		≤ 2.5%

4 First-aid measures**Description of first aid measures**

General information: Immediately remove any clothing soiled by the product.

After inhalation: Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
In case of unconsciousness place patient stably in side position for transportation.

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.
Induce vomiting, only if affected person is fully conscious.

Information for doctor:
Most important symptoms and effects, both acute and delayed No further relevant information available.

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/24/2018

Reviewed on 05/24/2018

Trade name: Osmo One Coat Only HS Plus

(Contd. of page 2)

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Fire-fighting measures

Extinguishing media

Suitable extinguishing agents: CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents:

Water with full jet

Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

Advice for firefighters

Protective equipment:

Mouth respiratory protective device.

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

Personal precautions, protective equipment and emergency procedures

Keep away from ignition sources

Ensure adequate ventilation

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.

Methods and material for

containment and cleaning up:

Warm water and cleansing agent

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

Protective Action Criteria for Chemicals

PAC-I:		
64742-48-9	aliphatic hydrocarbons, C10-C13	350 mg/m ³
7727-43-7	barium sulphate, natural	15 mg/m ³
20344-49-4	iron hydroxide oxide	24 mg/m ³
7631-86-9	silicon dioxide, chemically prepared	18 mg/m ³
1333-86-4	Carbon black	9 mg/m ³

(Contd. on page 4)

Safety Data Sheet
acc. to OSHA HCS

Printing date 05/24/2018

Reviewed on 05/24/2018

Trade name: Osmo One Coat Only HS Plus

(Contd. of page 3)

PAC-2:

64742-48-9	aliphatic hydrocarbons, C10-C13	1,800 mg/m ³
7727-43-7	barium sulphate, natural	170 mg/m ³
20344-49-4	iron hydroxide oxide	260 mg/m ³
7631-86-9	silicon dioxide, chemically prepared	740 mg/m ³
1333-86-4	Carbon black	99 mg/m ³

PAC-3:

64742-48-9	aliphatic hydrocarbons, C10-C13	40,000 mg/m ³
7727-43-7	barium sulphate, natural	990 mg/m ³
20344-49-4	iron hydroxide oxide	1,600 mg/m ³
7631-86-9	silicon dioxide, chemically prepared	4,500 mg/m ³
1333-86-4	Carbon black	590 mg/m ³

7 Handling and storage**Handling:****Precautions for safe handling**

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

Information about protection

against explosions and fires: Keep ignition sources away - Do not smoke.

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 oxidizing and acidic materials.

Further information about**storage conditions:**

Keep receptacle tightly sealed.
Store receptacle in a well ventilated area.
Protect from frost.
Protect from heat and direct sunlight.

Specific end use(s)

No further relevant information available.

(Contd. on page 5)

Printing date 05/24/2018

Reviewed on 05/24/2018

Trade name: Osmo One Coat Only HS Plus

(Contd. of page 4)

8 Exposure controls/personal protection

Additional information about design of technical systems:

No further data; see item 7.

Control parameters

Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information:

The lists that were valid during the creation were used as basis.

Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Immediately remove all soiled and contaminated clothing.

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.

Breathing equipment:

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:

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

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

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).

Recommended thickness of the material: ≥ 0.4 mm

As protection from splashes gloves made of the following materials are suitable:

Nitrile rubber, NBR

Eye protection:

Goggles recommended during refilling.

Body protection:

Protective work clothing

(Contd. on page 6)

Safety Data Sheet
acc. to OSHA HCS

Printing date 05/24/2018

Reviewed on 05/24/2018

Trade name: Osmo One Coat Only HS Plus

(Contd. of page 5)

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

Form:	Fluid
Color:	According to product specification
Odor:	Mild

Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	> 180 °C (>356 °F) (DIN 51751)

Flash point: > 61 °C (>141.8 °F) (DIN EN ISO 2719)

Ignition temperature: 240 °C (464 °F)

Auto igniting: Product is not selfigniting.

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

Explosion limits:

Lower:	0.7 Vol %
Upper:	6.0 Vol %

Vapor pressure: 3 hPa [20°C]

Density at 20 °C (68 °F): 0.9-1.2 g/cm³ (7.511-10.014 lbs/gal) (DIN 51757)

Solubility in / Miscibility with

Water: Not miscible or difficult to mix.

Viscosity:

Dynamic:	Not determined.
Kinematic at 20 °C (68 °F):	20-30 s (DIN 53211/4)
	>21 mm ² /s (40°C)

Solvent content:

VOC content: < 270 g/l

Other information No further relevant information available.

10 Stability and reactivity

Reactivity No further relevant information available.

Chemical stability**Thermal decomposition /**

conditions to be avoided: No decomposition if used and stored according to specifications.

(Contd. on page 7)

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/24/2018

Reviewed on 05/24/2018

Trade name: Osmo One Coat Only HS Plus

(Contd. of page 6)

Possibility of hazardous reactions Reacts with fabric soaked in the product (e.g. cleaning wool).
Reacts with acids, alkalis and oxidizing agents.

Conditions to avoid No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: Carbon monoxide and carbon dioxide
Nitrogen oxides (NO_x)

Additional information: CAUTION: Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water filled metal container to prevent this.

11 Toxicological information

Information on toxicological effects

Acute toxicity:

LD/LC50 values that are 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	21 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: No irritating effect.

Sensitization: Sensitizing effect by skin contact is possible with prolonged exposure.

Additional toxicological information:

The product is not subject to classification according to internally approved calculation methods for preparations:

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

Carcinogenic categories

IARC (International Agency for Research on Cancer)

7631-86-9	silicon dioxide, chemically prepared	3
1333-86-4	Carbon black	2B

NTP (National Toxicology Program)

14808-60-7	Quartz (SiO ₂)	K
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(Contd. on page 8)

Safety Data Sheet
acc. to OSHA HCS

Printing date 05/24/2018

Reviewed on 05/24/2018

Trade name: Osmo One Coat Only HS Plus

(Contd. of page 7)

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information

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)
Biolog. Abbaubarkeit	(leicht abbaubar)

Persistence and degradability No further relevant information available.

Behavior in environmental systems:

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Additional ecological information:

General notes: Water hazard class 1 (Self-assessment): slightly hazardous for water

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects No further relevant information available.

13 Disposal considerations

Waste treatment methods

Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

14 Transport information

UN-Number

DOT, ADR, ADN, IMDG, IATA Void

UN proper shipping name

DOT, ADR, ADN, IMDG, IATA Void

(Contd. on page 9)

Safety Data Sheet
acc. to OSHA HCS

Printing date 05/24/2018

Reviewed on 05/24/2018

Trade name: Osmo One Coat Only HS Plus

(Contd. of page 8)

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

15 Regulatory information*Safety, health and environmental regulations/legislation specific for the substance or mixture**Sara***Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

TSCA (Toxic Substances Control Act):

All ingredients are listed.

Proposition 65**Chemicals known to cause cancer:**

1333-86-4 | Carbon black

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

Cancerogenity categories**EPA (Environmental Protection Agency)**

7727-43-7 | barium sulphate, natural

D, CBD(inh), NL(oral)

(Contd. on page 10)

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/24/2018

Reviewed on 05/24/2018

Trade name: Osmo One Coat Only HS Plus

(Contd. of page 9)

TLV (Threshold Limit Value established by ACGIH)

1333-86-4	Carbon black
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NIOSH-Ca (National Institute for Occupational Safety and Health)

1333-86-4	Carbon black
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GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms Void

Signal word Warning

Hazard statements H227 Combustible liquid.

Precautionary statements

P210	Keep away from flames and hot surfaces. – No smoking.
P262	Do not get in eyes, on skin, or on clothing.
P271	Use only outdoors or in a well-ventilated area.
P370+P378	In case of fire: Use for extinction: CO ₂ , powder or water spray.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

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.

Department issuing SDS: product safety department

Contact: Hr. Dr. Starp

Date of preparation / last revision 05/24/2018 / 14

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
- DOT: US Department of Transportation
- IATA: International Air Transport Association
- ACGIH: American Conference of Governmental Industrial Hygienists
- 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)
- NFPA: National Fire Protection Association (USA)
- HMIS: Hazardous Materials Identification System (USA)
- VOC: Volatile Organic Compounds (USA, EU)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- NIOSH: National Institute for Occupational Safety
- OSHA: Occupational Safety & Health
- TLV: Threshold Limit Value
- PEL: Permissible Exposure Limit
- REL: Recommended Exposure Limit
- Flam. Liq. 4: Flammable liquids – Category 4

(Contd. on page 11)

Safety Data Sheet
acc. to OSHA HCS



Printing date 05/24/2018

Reviewed on 05/24/2018

Trade name: Osmo One Coat Only HS Plus

(Contd. of page 10)

Asp. Tox. 1: Aspiration hazard – Category 1

** Data compared to the previous
version altered.*