

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/13/2017

Reviewed on 03/13/2017

1 Identification

Product identifier

Trade name: **Polyx-Oil High Solid**

Article number: 3054 Satin-matt, 3055 Matt

Application of the substance / the mixture 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

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: Poison Center Berlin (24 h): +49 (0) 30 / 30686 790 consultation in German and English
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

P210 Keep away from flames and hot surfaces. – No smoking.
P271 Use only outdoors or in a well-ventilated area.
P262 Do not get in eyes, on skin, or on clothing.
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.
Warning: Wash out any used cloth impregnated with this product immediately after use or store in an airtight container (danger of self-ignition).
Repeated exposure may cause skin dryness or cracking.

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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 Materials such as rags used with this product may begin to burn by themselves. After use, put rags in water or lay flat to dry, then discard.

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	20-<25%
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Additional information: 94/69/EC (21st ATP). The benzene content of the product is less than 0.1%. Classification or labeling as carcinogenic is not necessary.

4 First-aid measures

Description of first aid measures

General information:	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. If irritation persists get medical attention.
After swallowing:	If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting; immediately call for medical help.

Information for doctor:

Most important symptoms and effects, both acute and delayed	No further relevant information available.
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Indication of any immediate medical attention and special treatment needed	No further relevant information available.
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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.

Special hazards arising from the substance or mixture

No further relevant information available.

Advice for firefighters**Protective equipment:**

No special measures required.

6 Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation
Keep away from ignition sources

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-1:**

112926-00-8	Precipitated silica (Silica-Amorphous)	18 mg/m ³
14808-60-7	Quartz (SiO ₂)	0.075 mg/m ³

PAC-2:

112926-00-8	Precipitated silica (Silica-Amorphous)	200 mg/m ³
14808-60-7	Quartz (SiO ₂)	33 mg/m ³

PAC-3:

112926-00-8	Precipitated silica (Silica-Amorphous)	1,200 mg/m ³
14808-60-7	Quartz (SiO ₂)	200 mg/m ³

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

No special precautions are necessary if used correctly.
Keep away from heat and direct sunlight.

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Keep receptacles tightly sealed.
Use only in well ventilated areas.
Prevent formation of aerosols.

**Information about protection
against explosions and fires:**

No special measures required.

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:**

None.
Keep receptacle tightly sealed.
Store in cool, dry conditions in well sealed receptacles.

Specific end use(s)

No further relevant information available.

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:**

Do not eat, drink, smoke or sniff while working.
Do not carry product impregnated cleaning cloths in trouser pockets.

Breathing equipment:

Use suitable respiratory protective device only when aerosol or mist is formed.
Not necessary if room is well-ventilated.
Short term filter device:

Protection of hands:

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

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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

Recommended thickness of the material: ≥ 0.4 mm**Eye protection:**

Goggles recommended during refilling.

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

Form: Fluid**Color:** According to product specification**Odor:** Characteristic

Change in condition

Melting point/Melting range: Undetermined.**Boiling point/Boiling range:** 180-200 °C (356-392 °F) (DIN 51751)**Flash point:** > 65 °C (> 149 °F) (DIN 52231)**Ignition temperature:** 240 °C (464 °F)**Auto igniting:** Product is not selfigniting.**Danger of explosion:** Product does not present an explosion hazard.

Explosion limits:

Lower: 0.6 Vol %**Upper:** 7.0 Vol %**Vapor pressure at 20 °C (68 °F):** 1 hPa (1 mm Hg)**Density at 20 °C (68 °F):** 1.032 g/cm³ (8.612 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):** 45 s (DIN 53211/4)

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Solvent content:**VOC content:** < 270 g/liter (2.25 lb/gl)**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 according to specifications.**Possibility of hazardous reactions** Reacts with fabric soaked in the product (e.g. cleaning wool).**Conditions to avoid** No further relevant information available.**Incompatible materials:** No further relevant information available.**Hazardous decomposition****products:** Carbon monoxide and carbon dioxideNitrogen 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)

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:** No sensitizing effects known.**Additional toxicological information:****Carcinogenic categories****IARC (International Agency for Research on Cancer)**

112926-00-8 Precipitated silica (Silica-Amorphous)

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14808-60-7	Quartz (SiO ₂)	1
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NTP (National Toxicology Program)

14808-60-7	Quartz (SiO ₂)	K
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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

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UN proper shipping name DOT, ADR, ADN, IMDG, IATA	Void
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.
Transport/Additional information:	Not dangerous according to the above specifications.
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:**14808-60-7 | Quartz (SiO₂)**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.

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Cancerogenity categories

EPA (Environmental Protection Agency)

None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH)
14808-60-7 | Quartz (SiO₂)

A2

NIOSH-Ca (National Institute for Occupational Safety and Health)
14808-60-7 | Quartz (SiO₂)
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.
 P271 Use only outdoors or in a well-ventilated area.
 P262 Do not get in eyes, on skin, or on clothing.
 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.

National regulations:
Other regulations, limitations and prohibitive regulations
please note:

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

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 03/13/2017 / 5

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)

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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
Asp. Tox. 1: Aspiration hazard – Category 1

** Data compared to the previous
version altered.*