





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

- **1.1 Product identifier**
- Trade name: **Silkgloss PU varnish**
- Article number: 706
- UFI: V8X3-A09H-F00C-NJQ7
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- Sector of Use
  - No further relevant information available.
  - SU21 Consumer uses: Private households / general public / consumers
  - SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
  - SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
  - SU19 Building and construction work
  - PC9a Coatings and paints, thinners, paint removers
  - PROC19 Manual activities involving hand contact
- Product category
- Process category
- Environmental release category
  - ERC5 Use at industrial site leading to inclusion into/onto article
  - ERC8c Widespread use leading to inclusion into/onto article (indoor)
  - ERC8f Widespread use leading to inclusion into/onto article (outdoor)
- Article category
  - AC13 Plastic articles
  - AC11 Wood articles
- Application of the substance / the mixture
  - See our technical datasheet for application details of this product.
  - Lacquer
- **1.3 Details of the supplier of the safety data sheet**
- Manufacturer/Supplier: De IJssel Coatings BV, Centrumbaan 960, NL 2841 MH Moordrecht  
 Tel: +31 182 372177, E-mail: info@de-ijssel-coatings.nl
- Further information obtainable from: Research and Development.
- **1.4 Emergency telephone number:** De IJssel Coatings BV, Tel. +31 182 372177, E-mail: safety@de-ijssel-coatings.nl  
 Office hours: working days from 08:00 to 17:00 hrs.

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
- Classification according to Regulation (EC) No 1272/2008
  -  GHS02 flame
  - Flam. Liq. 3 H226 Flammable liquid and vapour.
  -  GHS07
  - STOT SE 3 H336 May cause drowsiness or dizziness.
- **2.2 Label elements**
- Labelling according to Regulation (EC) No 1272/2008
  - The product is classified and labelled according to the CLP regulation.
- Hazard pictograms
  -  
  - GHS02 GHS07
- Signal word
  - Warning
- Hazard-determining components of labelling:
  - Naphtha (petroleum), hydrotreated heavy
- Hazard statements
  - H226 Flammable liquid and vapour.
  - H336 May cause drowsiness or dizziness.
- Precautionary statements
  - P101 If medical advice is needed, have product container or label at hand.
  - P102 Keep out of reach of children.
  - P103 Read carefully and follow all instructions.
  - P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
  - P261 Avoid breathing mist/vapours/spray.
  - P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
  - P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

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

Printing date 23.03.2021

Version number 27

Revision: 23.03.2021

**Trade name: Silkloss PU varnish**

(Contd. of page 1)

P405 Store locked up.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- Additional information: EUH066 Repeated exposure may cause skin dryness or cracking.
- **2.3 Other hazards**
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

### SECTION 3: Composition/information on ingredients

#### 3.2 Chemical characterisation: Mixtures

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

#### · Dangerous components:

CAS: 64742-48-9 EC number: 919-857-5 Index number: 649-327-00-6 Reg.nr.: 01-2119463258-33	Naphtha (petroleum), hydrotreated heavy ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ STOT SE 3, H336	25 – 50%
CAS: 84961-74-0 EINECS: 284-664-9 Reg.nr.: 01-2119985163-33	Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., compds. with 2-propanamine ⚠ Skin Irrit. 2, H315; ⚠ Eye Irrit. 2, H319; ⚠ Aquatic Chronic 3, H412	2.5 – 10%

- Additional information: For the wording of the listed hazard 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.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Immediately rinse with water.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: If symptoms persist consult doctor.

#### 4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

#### 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: CO<sub>2</sub> or powder. Fight larger fires with alcohol resistant foam.
- For safety reasons unsuitable extinguishing agents: Water with full jet

#### 5.2 Special hazards arising from the substance or mixture

No further relevant information available.

#### 5.3 Advice for firefighters

- Protective equipment: No special measures required.

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

#### 6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

#### 6.3 Methods and material for containment and cleaning up:

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

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

#### 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

(Contd. on page 3)

**Trade name: Silk gloss PU varnish**

(Contd. of page 2)

See Section 13 for disposal information.

**SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling**
  - Ensure good ventilation/exhaustion at the workplace.
  - Prevent formation of aerosols.
- Information about fire - and explosion protection:
  - Keep ignition sources away - Do not smoke.
  - Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
  - Storage:
    - Requirements to be met by storerooms and receptacles: No special requirements.
  - Information about storage in one common storage facility: Not required.
  - Further information about storage conditions: Keep container tightly sealed.
  - Recommended storage temperature: 5 - 30 °C
- **7.3 Specific end use(s)**
  - No further relevant information available.

**SECTION 8: Exposure controls/personal protection**

- **8.1 Control parameters**
  - Additional information about design of technical facilities: No further data; see item 7.
  - Ingredients 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 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
    - Wash hands before breaks and at the end of work.
  - Respiratory protection: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
  - Protection of hands:
    - Protective gloves
    - The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
    - Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
    - Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
  - Material of gloves
    - Nitrile rubber, NBR
    - 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.
    - Recommended thickness of the material:  $\geq 0.3$  mm
  - 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 mixture of chemicals mentioned below the penetration time has to be at least 480 minutes (Permeation according to EN 16523-1:2015: Level 6).
  - For the permanent contact gloves made of the following materials are suitable:
    - Nitrile rubber, NBR
  - As protection from splashes gloves made of the following materials are suitable:
    - Nitrile rubber, NBR
  - Not suitable are gloves made of the following materials:
    - Leather gloves
    - Strong material gloves

(Contd. on page 4)

**Trade name: Silk gloss PU varnish**

(Contd. of page 3)

· Eye protection: Tightly sealed goggles

**SECTION 9: Physical and chemical properties**

<b>· 9.1 Information on basic physical and chemical properties</b>	
· General Information	
· Appearance:	
Form:	Fluid
Colour:	According to product specification
· Odour:	Characteristic
· Odour threshold:	Not determined.
· pH-value at 20 °C:	7
· Change in condition	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	180 °C
· Flash point:	40 °C (Pensky Martens, ASTM D93)
· Flammability (solid, gas):	Not applicable.
· Ignition temperature:	240 °C
· Decomposition temperature:	Not determined.
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· Explosion limits:	
Lower:	0.6 Vol %
Upper:	7 Vol %
· Vapour pressure at 20 °C:	1 hPa
· Density at 20 °C:	0.922 g/cm <sup>3</sup> (DIN 51757, ASTM D 1298)
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with water:	Not miscible or difficult to mix.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic at 20 °C:	900 mPas (Brookfield, ASTM D1544)
Kinematic at 40 °C:	1085 mm <sup>2</sup> /s
· Solvent content:	
VOC (2004/42/EC):	43.00 %
Solids content:	52.0 %
· 9.2 Other information	No further relevant information available.

**SECTION 10: Stability and reactivity**

· 10.1 Reactivity	No further relevant information available.
· 10.2 Chemical stability	
· Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
· 10.3 Possibility of hazardous reactions	No dangerous reactions known.
· 10.4 Conditions to avoid	No further relevant information available.
· 10.5 Incompatible materials:	No further relevant information available.
· 10.6 Hazardous decomposition products:	No dangerous decomposition products known.

(Contd. on page 5)

**Trade name: Silk gloss PU varnish**

(Contd. of page 4)

**\* SECTION 11: Toxicological information**

**· 11.1 Information on toxicological effects**

- Acute toxicity Based on available data, the classification criteria are not met.
- LD/LC50 values relevant for classification:

Components	Type	Value	Species
<b>64742-48-9 Naphtha (petroleum), hydrotreated heavy</b>			
Oral	LD50	> 5000 mg/kg	(Rat)
Dermal	LD50	> 3000 mg/kg	(rab)

- Primary irritant effect:
- Skin corrosion/irritation Based on available data, the classification criteria are not met.
- Serious eye damage/irritation Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- Additional toxicological information:
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Based on available data, the classification criteria are not met.
- Reproductive toxicity Based on available data, the classification criteria are not met.
- STOT-single exposure May cause drowsiness or dizziness.
- STOT-repeated exposure Based on available data, the classification criteria are not met.
- Aspiration hazard Based on available data, the classification criteria are not met.

**SECTION 12: Ecological information**

- **12.1 Toxicity**
- Aquatic toxicity: No further relevant information available.
- **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 3 (German Regulation) (Self-assessment): extremely hazardous for water  
Do not allow product to reach ground water, water course or sewage system, even in small quantities.  
Danger to drinking water if even extremely 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.

**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 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01 00	wastes from MFSU and removal of paint and varnish
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances
HP3	Flammable
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

- Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.

(Contd. on page 6)

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

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**Trade name: Silk gloss PU varnish**

(Contd. of page 5)

**SECTION 14: Transport information**

· <b>14.1 UN-Number</b> · ADR/RID/ADN, IMDG, IATA	UN1263
· <b>14.2 UN proper shipping name</b> · ADR/RID/ADN · IMDG, IATA	1263 PAINT PAINT
· <b>14.3 Transport hazard class(es)</b> · ADR/RID/ADN · Class · Label	3 (F1) Flammable liquids. 3
· IMDG, IATA · Class · Label	3 Flammable liquids. 3
· <b>14.4 Packing group</b> · ADR/RID/ADN, IMDG, IATA	III
· <b>14.5 Environmental hazards:</b> · Marine pollutant:	No
· <b>14.6 Special precautions for user</b> · Hazard identification number (Kemler code): · EMS Number: · Stowage Category	Warning: Flammable liquids. 30 F-E, S-E A
· <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· Transport/Additional information: · ADR/RID/ADN · Limited quantities (LQ) · Excepted quantities (EQ)  · Transport category · Tunnel restriction code · Remarks:	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml 3 D/E In packsize up to 450 liter exempt from ADR according ADR 2.2.3.1.5.
· IMDG · Remarks:	In packaging up to 30 litres exempt according to IMDG 2.3.2.5.
· UN "Model Regulation":	UN 1263 PAINT, 3, III

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

- Directive 2012/18/EU
- Named dangerous substances - ANNEX I  
None of the ingredients is listed.
- Seveso category  
P5c FLAMMABLE LIQUIDS
- Qualifying quantity (tonnes) for the application of lower-tier requirements  
5000 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements  
50000 t
- REGULATION (EC) No 1907/2006 ANNEX XVII  
Conditions of restriction: 3

· DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

(Contd. on page 7)

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(Contd. of page 6)

· REGULATION (EU) 2019/1148

· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

· **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.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
H412 Harmful to aquatic life with long lasting effects.

· Classification according to

Regulation (EC) No 1272/2008

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

Flammable liquids	On basis of test data
Specific target organ toxicity (single exposure)	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

· Department issuing SDS:

Research and Development

· Contact:

Saïda El Asjadi, tel: +31 182 372177, e-mail: [safety@de-ijsel-coatings.nl](mailto:safety@de-ijsel-coatings.nl)

· Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
ICAO: International Civil Aviation Organisation  
ADR: Accord relatif au transport international 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  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Flam. Liq. 3: Flammable liquids – Category 3  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
Asp. Tox. 1: Aspiration hazard – Category 1  
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3  
Literature data and/or investigation reports are available through the manufacturer.

· Sources:

· \* Data compared to the previous version altered.