

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

- **1.1 Product identifier**
 - **Trade name:** *IRSA Hartwachsöl Opus, matt*
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
 - **Life cycle stages** *PW Widespread use by professional workers*
 - **Sector of Use**
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
 - **Product category** *PC9a Coatings and paints, thinners, paint removers*
 - **Process category** *PROC10 Roller application or brushing*
 - **Environmental release category** *ERC11a Widespread use of articles with low release (indoor)*
 - **Article category** *AC11 Wood articles*
 - **Technical function** *Plating agent*
 - **Application of the substance / the mixture** *Wood treatment*
- **1.3 Details of the supplier of the safety data sheet**
 - **Manufacturer/Supplier:**
*IRSA Lackfabrik Irmgard Sallinger GmbH
An der Günz 15
D-86489 DEISENHAUSEN
DEUTSCHLAND
Telefon: +49-82 82-89 44-0*
 - **Further information obtainable from:** *Product Safety Department/ E-mail: labor@irsa.de*
- **1.4 Emergency telephone number:** *Giftnotruf Freiburg: +49-7 61-19 240*

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
 - **Classification according to Regulation (EC) No 1272/2008**
The product is not classified, according to the GB CLP regulation.
- **2.2 Label elements**
 - **Labelling according to Regulation (EC) No 1272/2008** *Void*
 - **Hazard pictograms** *Void*
 - **Signal word** *Void*
 - **Hazard statements** *Void*
 - **Additional information:**
EUH066 Repeated exposure may cause skin dryness or cracking.
EUH208 Contains Fatty acids, C-18 unsaturated, dimers, reaction products with N-n-dimethyl-1,3-propanediamine and 1,3-propanediamine. May produce an allergic reaction.
EUH210 Safety data sheet available on request.
- **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.*

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· Dangerous components:

EC number: 918-481-9	Hydrocarbons C10-C13, n-alkanes, isoalkanes, cycloalkanes, <2% aromatics	>10–≤50%
	⚠ Asp. Tox. 1, H304	
CAS: 64742-48-9 EINECS: 265-150-3 Reg.nr.: 01-2119463258-33-xxxx	Naphtha (petroleum), hydrotreated heavy	>2.5–≤25%
	⚠ Asp. Tox. 1, H304	
CAS: 64742-48-9 EC number: 919-857-5 Reg.nr.: 01-2119463258-33	Hydrocarbons, C9-11, n-alkanes, isoalkanes, cycloalkanes, <2% aromatics	>10–<20%
	⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ STOT SE 3, H336	

· Regulation (EC) No 648/2004 on detergents / Labelling for contents

 aliphatic hydrocarbons ≥15 - <30%
· 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

 · **After inhalation:** Supply fresh air; consult doctor in case of complaints.

 · **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

Generally the product does not irritate the skin.

 · **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

 · **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:**

 CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

 · **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** Not required.

 · **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).

 · **6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

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SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** No special precautions are necessary if used correctly.
 - **Information about fire - and explosion protection:** No special measures required.
- **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:** None.
- **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:** Wash hands before breaks and at the end of work.
 - **Respiratory protection:** Not required.
 - **Protection of hands:**

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.
 - **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.
 - **Eye protection:** Goggles recommended during refilling

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

· Form:	Liquid
· Colour:	Light brown

· Odour:	Petrol-like
· Odour threshold:	Not determined.

· pH-value:	Not determined.
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· Change in condition

· Melting point/freezing point:	Undetermined.
· Initial boiling point and boiling range:	≥180 °C

· Flash point:	>61 °C
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· Flammability (solid, gas):	Not applicable.
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· Ignition temperature:	180 °C
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· Decomposition temperature:	Not determined.
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· Auto-ignition temperature:	Product is not selfigniting.
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· Explosive properties:	Product does not present an explosion hazard.
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· Explosion limits:

· Lower:	≥0.6 Vol %
· Upper:	≤7 Vol %

· Vapour pressure at 20 °C:	≤1 hPa
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· Density at 20 °C:	0.883 g/cm ³
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· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.

· Solubility in / Miscibility with

· water:	Not miscible or difficult to mix.
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· Partition coefficient: n-octanol/water:	Not determined.
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· Viscosity:

· Dynamic:	Not determined.
· Kinematic at 20 °C:	31 s (DIN 53211/4)

· Solvent content:

· VOC (EC)	60.26 %
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· 9.2 Other information	No further relevant information available.
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SECTION 10: Stability and reactivity

· 10.1 Reactivity	No further relevant information available.
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· 10.2 Chemical stability

· Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
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- **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.

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:**

64742-48-9 Naphtha (petroleum), hydrotreated heavy

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>3,000 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** Based on available data, the classification criteria are not met.
 - **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 1 (German Regulation) (Self-assessment): slightly hazardous for water
 Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **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.

SECTION 14: Transport information

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|---|-----------------|
| · 14.1 UN-Number
· ADR/RID/ADN, IMDG, IATA | not regulated |
| · 14.2 UN proper shipping name
· ADR/RID/ADN, IMDG, IATA | not regulated |
| · 14.3 Transport hazard class(es)
· ADR/RID/ADN, ADN, IMDG, IATA
· Class | not regulated |
| · 14.4 Packing group
· ADR/RID/ADN, IMDG, IATA | not regulated |
| · 14.5 Environmental hazards: | Not applicable. |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| · UN "Model Regulation": | not regulated |

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.
- **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.
- **Department issuing SDS:** Abteilung Umweltschutz
- **Contact:** -

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· **Abbreviations and acronyms:**

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

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Asp. Tox. 1: Aspiration hazard – Category 1

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