

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****· 1.1 Product identifier**

· **Trade name:** *Irsa Natura Hartöl*

· **Article number:** N0100075

**· 1.2 Relevant identified uses of the substance or mixture and uses advised against****· Life cycle stages**

PW Widespread use by professional workers

C Consumer use

**· Sector of Use**

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

SU21 Consumer uses: Private households / general public / consumers

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

· **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

Wood coating

Surface protection

· **Uses advised against** No further relevant information available.

**· 1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier/Distributor/Downstream user/Importer:**

IRSA Lackfabrik Irmgard Sallinger GmbH

An der Günz 15

86489 Deisenhausen

Germany

phone: +49 8282 89440

Fax: +49 8282 894444

E-Mail: [info@irsa.de](mailto:info@irsa.de)

[www.irsa.de](http://www.irsa.de)

· **Further information obtainable from:**

Labor phone: +49 8282 89440

E-Mail (expert person) [labor@irsa.de](mailto:labor@irsa.de)

**· 1.4 Emergency telephone number:**

poison control centre Freiburg

Tel: +49 761 19240

**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 CLP regulation.

**· 2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008** Void

· **Hazard pictograms** Void

· **Signal word** Void

· **Hazard statements** Void

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- **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.
- **Additional information:**
  - EUH210 Safety data sheet available on request.
- **2.3 Other hazards** Absorbed and finely distributed in the absorption medium, it may self-ignite after self-ignition.
- **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

#### · 3.2 Mixtures

- **Description:** Paints solvent- & water free

- **Dangerous components:**

EC number: 918-481-9 Reg.nr.: 01-2119457273-39	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatic compounds ⚠ Asp. Tox. 1, H304, EUH066	> 0.1 – ≤ 2.5%
CAS: 22464-99-9 EINECS: 245-018-1 Reg.nr.: 01-2119979088-21	2-ethylhexanoic acid, zirconium salt ⚠ Repr. 2, H361f	> 0.1 – ≤ 2.5%
CAS: 15956-58-8	2-ethylhexanoic acid, manganese salt ⚠ Repr. 2, H361d; STOT RE 2, H373; ⚠ Aquatic Chronic 2, H411; ⚠ Eye Irrit. 2, H319	> 0.1 – < 0.25%

- **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.

In case of symptoms or in case of doubt seek medical advice.

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

- **After skin contact:** Generally the product does not irritate the skin.

- **After eye contact:** Rinse opened eye for several minutes under running water.

- **After swallowing:** Do not induce vomiting; call for medical help immediately.

#### · 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>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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- *For safety reasons unsuitable extinguishing agents: Water with full jet*
- **5.2 Special hazards arising from the substance or mixture**  
*Formation of toxic gases is possible during heating or in case of fire.*
- **5.3 Advice for firefighters**
  - **Protective equipment:** *Wear self-contained respiratory protective device.*

**SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures** *Ensure adequate ventilation*
- **6.2 Environmental precautions:** *No special measures required.*
- **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.*  
*See Section 13 for disposal information.*

**SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling**  
*Keep away from heat and direct sunlight.*  
*Use only in well ventilated areas.*
  - **Information about fire - and explosion protection:**  
*Keep ignition sources away - Do not smoke.*  
*Protect from heat.*
- **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:**  
*Do not store together with oxidising and acidic materials.*
    - **Further information about storage conditions:**  
*Protect from frost.*  
*Store in cool, dry conditions in well sealed receptacles.*
    - **Storage class:** 10
- **7.3 Specific end use(s)** *Observe the technical data sheet*

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

- **8.1 Control parameters**
  - **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**
  - **Appropriate engineering controls** *No further data; see item 7.*

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- **Individual protection measures, such as personal protective equipment**
  - **General protective and hygienic measures:**
    - Wash hands before breaks and at the end of work.
    - Do not eat, drink, smoke or sniff while working.
  - **Respiratory protection:** Not necessary if room is well-ventilated.
  - **Hand protection**
    - Nitrile rubber
    - The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
    - After use of gloves apply skin-cleaning agents and skin cosmetics.
    - **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
  - **Eye/face protection** Safety glasses
  - **Body protection:** Protective work clothing

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- **General Information**
  - **Physical state** Fluid
  - **Colour:** According to product specification
  - **Odour:** Weak, characteristic
    - **Odour threshold:** Not determined.
  - **Melting point/freezing point:** Undetermined.
  - **Boiling point or initial boiling point and boiling range** > 300 °C (8001-22-7 soybean oil)
  - **Flammability** Not applicable.
  - **Lower and upper explosion limit**
    - **Lower:** Not determined.
    - **Upper:** Not determined.
  - **Flash point:** > 200 °C (8001-22-7 soybean oil)
  - **Ignition temperature:** > 300 °C
  - **Decomposition temperature:** Not determined.
  - **pH** Not determined.
  - **Viscosity:**
    - **Kinematic viscosity at 20 °C** 25 s (DIN 53211/4)
    - **Dynamic:** Not determined.
  - **Solubility**
    - **water:** Not miscible or difficult to mix.
  - **Partition coefficient n-octanol/water (log value)** Not determined.
  - **Vapour pressure:** Not determined.

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· <b>Density and/or relative density</b>	
· <b>Density at 20 °C:</b>	0.94 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.

**9.2 Other information**

· <b>Appearance:</b>	
· <b>Form:</b>	Fluid
· <b>Important information on protection of health and environment, and on safety.</b>	
· <b>Auto-ignition temperature:</b>	Product is not selfigniting.
· <b>Explosive properties:</b>	Product does not present an explosion hazard.
· <b>Solvent content:</b>	
· <b>Organic solvents:</b>	1.5 %
· <b>VOC (EC)</b>	13.8 g/l
· <b>VOCV (CH)</b>	1.39 %
· <b>Solids content:</b>	98.5 %
· <b>Change in condition</b>	
· <b>Evaporation rate</b>	Not determined.

**Information with regard to physical hazard classes**

· <b>Explosives</b>	Void
· <b>Flammable gases</b>	Void
· <b>Aerosols</b>	Void
· <b>Oxidising gases</b>	Void
· <b>Gases under pressure</b>	Void
· <b>Flammable liquids</b>	Void
· <b>Flammable solids</b>	Void
· <b>Self-reactive substances and mixtures</b>	Void
· <b>Pyrophoric liquids</b>	Void
· <b>Pyrophoric solids</b>	Void
· <b>Self-heating substances and mixtures</b>	Void
· <b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
· <b>Oxidising liquids</b>	Void
· <b>Oxidising solids</b>	Void
· <b>Organic peroxides</b>	Void
· <b>Corrosive to metals</b>	Void
· <b>Desensitised explosives</b>	Void

**SECTION 10: Stability and reactivity**

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability** Stable when using the recommended regulations for storage and handling.
  - **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** Do not heat up in an uncontrolled manner.
- **10.5 Incompatible materials:** No further relevant information available.

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 · **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

**SECTION 11: Toxicological information**

 · **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

 · **Acute toxicity**

 · **LD/LC50 values relevant for classification:**
**22464-99-9 2-ethylhexanoic acid, zirconium salt**

Oral LD50 &gt; 5,000 mg/kg (rat)

Dermal LD50 &gt; 5,000 mg/kg (rabbit)

 · **Respiratory or skin sensitisation** May cause sensitization on skin contact.

 · **11.2 Information on other hazards**

 · **Endocrine disrupting properties**

None of the ingredients is listed.

**SECTION 12: Ecological information**

 · **12.1 Toxicity**

 · **Aquatic toxicity:**
**22464-99-9 2-ethylhexanoic acid, zirconium salt**

 LC50/96 h > 100 mg / l (*Oryzias latipes*)

**15956-58-8 2-ethylhexanoic acid, manganese salt**

EC50 1 – 10 mg/l (al)

 · **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.

 · **12.5 Results of PBT and vPvB assessment**

 · **PBT:** Not applicable.

 · **vPvB:** Not applicable.

 · **12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.

 · **12.7 Other adverse effects**

 · **Additional ecological information:**

 · **General notes:** Not known to be hazardous to water.

**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.

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

**SECTION 14: Transport information**

- |   |                        |
|---|------------------------|
| · <b>14.1 UN number or ID number</b><br>· <b>ADR, ADN, IMDG, IATA</b>                       | <i>not regulated</i>   |
| · <b>14.2 UN proper shipping name</b><br>· <b>ADR, ADN, IMDG, IATA</b>                      | <i>not regulated</i>   |
| · <b>14.3 Transport hazard class(es)</b><br>· <b>ADR, ADN, IMDG, IATA</b><br>· <b>Class</b> | <i>not regulated</i>   |
| · <b>14.4 Packing group</b><br>· <b>ADR, IMDG, IATA</b>                                     | <i>not regulated</i>   |
| · <b>14.5 Environmental hazards:</b>  | <i>Not applicable.</i> |
| · <b>14.6 Special precautions for user</b>  | <i>Not applicable.</i> |
| · <b>14.7 Maritime transport in bulk according to IMO instruments</b>                       | <i>Not applicable.</i> |
| · <b>UN "Model Regulation":</b>   | <i>not regulated</i>   |

**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.
- **Regulation (EU) No 528/2012 on biocides**  
None of the ingredients is listed.
- **Directive 2004/42 / EC on emission limitation of VOCs from paints and varnishes**  
VOC product category: (Kat. A/f); VOC limit: 700 g / l  
Maximum VOC content of ready to use product (g / l): 7
- **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**
  - H304 May be fatal if swallowed and enters airways.
  - H319 Causes serious eye irritation.
  - H361d Suspected of damaging the unborn child.

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H361f Suspected of damaging fertility.

H373 May cause damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.

**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)

VOCV: Lenkungsabgabe auf flüchtigen organischen Verbindungen, Schweiz (Swiss Ordinance on volatile organic compounds)

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

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Repr. 2: Reproductive toxicity – Category 2

Repr. 2: Reproductive toxicity – Category 2

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2