

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

### 1.1. Product identifier

Product form : Mixture  
Trade name : HARDWAX OIL PART A

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.2.1. Relevant identified uses

Intended for professional and general public.  
Main use category: Consumer and professional use

#### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

ARIOMAT  
Klein Frankrijkstraat 43  
9600 Ronse - Belgium  
T +32 55 230 600  
[info@ariomat.com](mailto:info@ariomat.com)

### 1.4. Emergency telephone number

No additional information available

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] Mixtures/Substances: SDS EU 2015: According to Regulation (EU) 2015/830 (REACH Annex II)

The product is not classified as dangerous according to Regulation EC 1272/2008

#### Adverse physicochemical, human health and environmental effects

No additional information available

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Precautionary statements (CLP) : P102 - Keep out of reach of children  
EUH-statements : -

### 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Other hazards not contributing to the classification:

Self-ignition possible due to autoxidation of used cloth and rags soaked with the product. Follow instructions on the technical data sheet to avoid such problems.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier Cas nr / EG nr / REACH nr	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Iron(1+), chloro(dimethyl 9,9-	478945-46-9 01-2120746887-35	< 0.15 %	Asp. Tox. 3; H301
Zirkonium octoat	22464-99-9 245-018-1 01-2119979088-21	< 0.15 %	Skin Irrit. 2; H315

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH annex II

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : In all cases of doubt or if symptoms are present, seek medical advice. Never give anything by mouth to an unconscious person or if convulsions occur.  
If unconscious, place in recovery position and seek medical advice.

First-aid measures after inhalation : Remove victim to fresh air and keep warm and quiet.

First-aid measures after skin contact	If breathing is difficult or stopped, give artificial respiration. : Change contaminated clothing immediately.
First-aid measures after eye contact	: After contact with skin, wash immediately with plenty of soap and water. : In case of contact with eyes, rinse immediately with running water for 10 to 15 minutes with the eyelids open and consult an ophthalmologist. Remove contact lenses if possible. Continue rinsing. Seek medical advice immediately.
First-aid measures after ingestion	: If swallowed, rinse mouth with water (only if the victim is conscious). : Call a doctor immediately. Keep the victim quiet, covered and warm. : Do NOT induce vomiting.

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

Symptoms/effects	: If you feel unwell, seek medical advice.
Symptoms/effects after inhalation	: None under normal use.
Symptoms/effects after skin contact	: None under normal use.
Symptoms/effects after eye contact	: None under normal use
Symptoms/effects after ingestion	: May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media	: Alcohol-resistant foam, carbon dioxide (CO <sub>2</sub> ), extinguishing powder, water mist
Unsuitable extinguishing media	: Water jet

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

In case of combustion strong soot formation.

Hazardous decomposition products: Soot. Danger of serious damage to health by prolonged exposure.

Use suitable respiratory protection.

#### 5.3. Advice for firefighters

Precautionary measures fire	: Evacuate area.
Firefighting instructions	: Prevent fire fighting water from entering the environment.
Protection during firefighting	: Self-contained breathing apparatus.
Other information	: Exercise caution when fighting any chemical fire.

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

Emergency procedures	: Avoid inhalation of dust/fume/gas/mist/vapour/aerosol. Do not get in eyes, on skin, or on clothing. Notify police and fire brigade as soon as possible. : See protective measures under points 7 and 8.
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##### 6.1.2. For emergency responders

No additional information available

#### 6.2. Environmental precautions

Do not allow to enter drains or watercourses.

In case of gas leakage or penetration into water, soil or sewage system, notify competent authorities.

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

For containment	: Prevent surface expansion (e.g. by damming or oil barriers). Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).
Methods for cleaning up	: Clean with detergents. Avoid solvents. This material and its container must be disposed of in a safe way, and as per local legislation.
Other information	: Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

No additional information available

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Avoid contact with skin, eyes and clothing. Avoid inhalation of dust/fume/gas/mist/vapour/aerosol. Do not eat, drink or smoke while working. Personal protective equipment: See section 8.

Do not empty container under pressure. Keep/store only in original container.

Do not allow to enter drains or water courses.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions:

Retain in accordance with: Ordinance on Industrial Safety and Health.

Do not store together with: Oxidizing agents, Strong acid, Strong alkali.

Lagertemperatur von °C 5 bis °C 30.

Behälter dicht geschlossen halten und an einem kühlen, gut gelüfteten Ort aufbewahren. Bei der Arbeit nicht rauchen.

An einem Platz lagern, der nur berechtigten Personen zugänglich ist.  
Behälter nach Produktentnahme immer dicht verschließen.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

### 8.2. Exposure controls

#### Appropriate engineering controls:

Ensure adequate ventilation.

In case of open handling, use devices with local exhaust ventilation if possible.

#### Personal protective equipment:

**Hand protection:** The design of chemical protective gloves must be selected specifically for the workplace, depending on the concentration and quantity of hazardous substances. Replace when worn!  
It is recommended to clarify the chemical resistance of the above mentioned protective gloves for special applications with the glove manufacturer. Follow the manufacturer's instructions.  
Suitable material: Nitrile rubber  
Penetration time (maximum wearing time):  $\geq 8$  h min.  
Apply a skin protection cream before handling the product.

**Eye protection:** Safety glasses

Personal protective equipment symbol(s):



#### Environmental exposure controls:

Avoid release to the environment.

#### Other information:

Do not eat, drink or smoke when using this product.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Yellowish/Brown
Odour	: Typical
Odour threshold	: No data available
pH	: n.a.
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Initial Boiling point and range	: $> 300$ °C
Flash point	: $> 300$ °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: $\approx 0,96$ kg/l DIN 53217
Solid content	: 100 %
Solvent separation test	: $< 3$ % (ADR/RID)
Solvent content	: 0 %
Solubility	: miscible in water
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available (Brookfield: RPM 20)

Explosive properties : No data available  
Oxidising properties : No data available  
Explosive limits : No data available

### 9.2. Other information

VOC content : 0 %

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Keep away from oxidising agents and strongly alkaline and strongly acidic materials to prevent the possibility of exothermic reaction. Stable in use and storage conditions as recommended in item 7.

### 10.2. Chemical stability

No additional information available

### 10.3. Possibility of hazardous reactions

Exothermic reaction with: Oxidising agent, Strong acid, Strong alkali

### 10.4. Conditions to avoid

On heating: Formation of: Hazardous decomposition products

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Nitrogen oxides (NOx), soot, carbon dioxide (CO<sub>2</sub>), carbon monoxide

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

### HardWax Oil

#### Acute toxicity

- Inhalation: Based on acute toxicity : not classified  
- Contact with skin : Based on acute toxicity : not classified  
ATE 200 mg/kg  
- Ingestion : Based on acute toxicity : not classified  
ATE 200 mg/kg

#### Experience from practice:

#### Observations relevant for classification

After eye contact: Irritating to eyes. (Reversible.)

Carcinogenic effect : Not classified as carcinogenic.

Mutagenic effects : Not classified as mutagenic.

Reproductive toxicity : Not classified for reprotoxicity.

Specific target organ toxicity - single exposure: Humans : Not classified for organ toxicity.  
Animals : No effects known.

Specific target organ toxicity - repeated exposure :  
Humans : Not classified for organ toxicity.  
Animal : No effects known.

STOT for single exposure : Not classified.

STOT on repeated exposure : Not classified

#### General remarks

No data are available for the mixture.

The classification was made according to the calculation procedure of the Preparations Directive (1999/45/EC).

Reference to other sections: 2, 3

## SECTION 12: Ecological information

### 12.6. Other adverse effects

Additional information : No data available for the mixture.  
Do not allow to enter drains or water courses.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations : Discharging into rivers and drains is forbidden. Dispose of in accordance with relevant local

Additional information	regulations.
Ecology - waste materials	: Clean up even minor leaks or spills if possible without unnecessary risk.
European List of Waste (LoW) code	: Avoid release to the environment.
	: 08 01 12 - Wastes from the manufacture, formulation, distribution and use (MFSU) of coatings (paints, varnishes, enamels), adhesives, sealants and printing inks; wastes from MFSU and paint and varnish removal; waste paints and varnishes other than those mentioned in 080111
Disposal of packaging	: The packaging used is exclusively for packaging this product.
	After use, empty the packaging thoroughly and close it.
	Dispose of in compliance with official regulations.

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

#### 14.1. UN number

UN-No.	: Not applicable
UN-No. (IMDG)	: Not applicable
UN-No. (ICAO)	: Not applicable
UN-No. (ADN)	: Not applicable
UN-No. (RID)	: Not applicable

#### 14.2. UN proper shipping name

Proper Shipping Name (ADR)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable
Proper Shipping Name (ADN)	: Not applicable
Proper Shipping Name (RID)	: Not applicable

#### 14.3. Transport hazard class(es)

##### ADR

Transport hazard class(es) (ADR)	: Not applicable
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##### IMDG

Transport hazard class(es) (IMDG)	: Not applicable
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##### IATA

Transport hazard class(es) (IATA)	: Not applicable
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##### ADN

Transport hazard class(es) (ADN)	: Not applicable
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##### RID

Transport hazard class(es) (RID)	: Not applicable
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#### 14.4. Packing group

Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
Packing group (ADN)	: Not applicable
Packing group (RID)	: Not applicable

#### 14.5. Environmental hazards

Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available

#### 14.6. Special precautions for user

##### Overland transport

Not applicable

##### Transport by sea

Not applicable

##### Air transport

Not applicable

##### Inland waterway transport

Not applicable

##### Rail transport

Not applicable

#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

### SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

For non-EU Countries, the Material Safety Data Sheet it is prepared following the main principles of Globally Harmonized System of Classification and Labelling of Chemicals (GHS) which are adopted worldwide.

Information on the VOC Directive 2004/42/EC: : VOC content: maximum 1 g/l Category e  
German water hazard class : 1 - slightly water polluting  
Additional notes : the national legal regulations must always be observed!

### 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture

## SECTION 16: Other information

This safety data sheet has been completely updated in compliance to Regulation 2015/830.

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

TOXNET - Databases on toxicology, hazardous chemicals, environmental health, and toxic releases;

NIOSH - Registry of toxic effects of chemical substances (1983) - Occupational Health

Guidelines for Chemical Hazards (1995) - Pocket Guide to Chemical Hazards (on line) OECD - eChemPortal: The Global Portal to Information on Chemical Substances; CESIO - Human Health and Environmental classification of AE, AES, AS and various surfactant families.

The product must be stored, handled and used according to criteria of good industrial practice and to regulations in force.

This leaflet complements the Technical Data Sheet but does not replace it. The information herein contained is given to the best of our knowledge at the time of issue.

Due to the several ways in which the product may be used and the possible interaction with variables not depending on or unknown to the supplier, we also cannot accept any liability whatsoever for any loss or damage however arising from the handling and use of our products.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
REACH:	Registration Evaluation and Authorization of Chemicals.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
SVHC:	Candidate List of Substances of Very High Concerns.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.

### Full text of H- and EUH-statements:

H- and EUH- statements	<p>Toxic if swallowed. May be fatal if swallowed and enters airways. Toxic in contact with skin. Causes skin irritation. EUH066 Repeated exposure may cause skin dryness or cracking. EUH210 Safety data sheet available on request.</p>
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New Version: changes : Ingredients.

(The data of the hazardous ingredients were taken from the latest safety data sheet of the supplier).

SDS EU (REACH Annex II)

*The information provided here is to our knowledge correct and complete at the date of issue of this safety data sheet. The information relates only to the product mentioned and does not constitute a guarantee for the quality and completeness of the properties of the product, or that the product will be used in conjunction with other products or in any other process. It remains the responsibility of the user to ensure that the information is applicable and complete in relation to the particular use he is making of the product.*

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