

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 11.01.2024

Version number 3 (replaces version 2)

Revision: 11.01.2024

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

1.1 Product identifier

- Trade name: **Duro Impregnator**
- Article number: 12047, 12048, 12058, 12014
- UFI: QS48-KQT6-R31D-N040

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

No further relevant information available.

Application of the substance / the mixture

Protective impregnation

1.3 Details of the supplier of the safety data sheet

- Manufacturer/Supplier: AKEMI chemisch technische Spezialfabrik GmbH
Lechstrasse 28
D 90451 Nürnberg
- Tel. +49(0)911-642960
Fax. +49(0)911-644456
e-mail info@akemi.de

Further information obtainable from:

Laboratory

1.4 Emergency telephone number:

Product Safety Department AKEMI chemisch technische Spezialfabrik GmbH
Tel. +49(0)911-64296-59
Reachable during the following office hours:
Monday – Thursday from 07:30 a.m. to 16:30 p.m.
Friday from 07:30 a.m. to 13:30 p.m.

Giftinformationszentrum-Nord
Zentrum für Pharmakologie und Toxikologie
Universität Göttingen - Bereich Humanmedizin -
Robert-Koch-Straße 40
D - 37075 Göttingen
NOTRUFNUMMER: 0551 - 19 240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

- Flam. Liq. 3 H226 Flammable liquid and vapour.
- Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.
- Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

2.2 Label elements

- Labelling according to Regulation (EC) No 1272/2008
- Hazard pictograms

The product is classified and labelled according to the CLP regulation.



GHS02 GHS08 GHS09

Signal word

Danger

Hazard-determining components of labelling:

2,2,4,6,6-pentamethylheptan
Hydrocarbons, C10-C12, Isoalkanes, <2% aromatics
H226 Flammable liquid and vapour.

Hazard statements

H304 May be fatal if swallowed and enters airways.
H411 Toxic to aquatic life with long lasting effects.

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.

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P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P260 Do not breathe mist/vapours/spray.

P273 Avoid release to the environment.

P280 Wear protective gloves.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P302+P352 IF ON SKIN: Wash with plenty of water.

P304+P312 IF INHALED: Call a POISON CENTER/doctor if you feel unwell.

P403+P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

EUH066 Repeated exposure may cause skin dryness or cracking.

· Additional information:· **2.3 Other hazards**· Results of PBT and vPvB assessment· PBT: Not applicable.· vPvB: Not applicable.· Determination of endocrine-disrupting properties

For information on endocrine disrupting properties see section 11.

SECTION 3: Composition/information on ingredients· **3.2 Mixtures**· Description:

Mixture: consisting of the following components.

· Dangerous components:

CAS: 13475-82-6 EINECS: 236-757-0 Reg.nr.: 01-2119490725-29	2,2,4,6,6-pentamethylheptan Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 4, H413 EUH066	25-50%
EC number: 923-037-2 Reg.nr.: 01-2119471991-29-xxxx	Hydrocarbons, C10-C12, Isoalkanes, <2% aromatics Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411	25-50%
CAS: 78-10-4 EINECS: 201-083-8 Index number: 014-005-00-0 Reg.nr.: 01-2119496195-28	tetraethyl silicate Flam. Liq. 3, H226 Acute Tox. 4, H332; Eye Irrit. 2, H319; STOT SE 3, H335	<1%
CAS: 3648-18-8 EINECS: 222-883-3 Index number: 050-031-00-9 Reg.nr.: 01-2119979527-19-0000	dioctyltin dilaurate Repr. 1B, H360D; STOT RE 1, H372	<1%

· SVHC

3648-18-8 | dioctyltin dilaurate

· 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:

Take affected persons out into the fresh air.

Position and transport stably in side position.

· After inhalation:

Supply fresh air; consult doctor in case of complaints.

· After skin contact:

If skin irritation continues, consult a doctor.

· After eye contact:

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

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- After swallowing:
- **4.2 Most important symptoms and effects, both acute and delayed**

If symptoms persist consult doctor.

Headache
Dizziness
Dizziness
Nausea
Breathing difficulty
Coughing
Profuse sweating
Danger of impaired breathing.

- Hazards
- **4.3 Indication of any immediate medical attention and special treatment needed**

If swallowed, gastric irrigation with added, activated carbon.
If swallowed or in case of vomiting, danger of entering the lungs.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- Suitable extinguishing agents:
- For safety reasons unsuitable extinguishing agents:
- **5.2 Special hazards arising from the substance or mixture**

CO2, sand, extinguishing powder. Do not use water.

Water
Water with full jet

Formation of toxic gases is possible during heating or in case of fire.
In case of fire, the following can be released:
Carbon monoxide (CO)
Under certain fire conditions, traces of other toxic gases cannot be excluded.

- **5.3 Advice for firefighters**
- Protective equipment:

Wear self-contained respiratory protective device.
Do not inhale explosion gases or combustion gases.
Wear fully protective suit.

- Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
- **6.2 Environmental precautions:**
- **6.3 Methods and material for containment and cleaning up:**
- **6.4 Reference to other sections**

Ensure adequate ventilation
Keep away from ignition sources.
Use respiratory protective device against the effects of fumes/dust/aerosol.
Wear protective equipment. Keep unprotected persons away.
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents
See Section 7 for information on safe handling.

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<div>(Contd. of page 3)</div> <div>See Section 8 for information on personal protection equipment. See Section 13 for disposal information.</div>		
SECTION 7: Handling and storage		
<div>· 7.1 Precautions for safe handling</div>	<div>Keep receptacles tightly sealed. Store in cool, dry place in tightly closed receptacles. Keep away from heat and direct sunlight. Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air). Use only in well ventilated areas. Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.</div>	
<div>· <u>Information about fire - and explosion protection:</u></div>	<div>Keep ignition sources away - Do not smoke. Protect against electrostatic charges.</div>	
<div>· 7.2 Conditions for safe storage, including any incompatibilities</div>		
<div>· <u>Storage:</u></div>		
<div>· <u>Requirements to be met by storerooms and receptacles:</u></div>	<div>Store only in the original receptacle. Prevent any seepage into the ground.</div>	
<div>· <u>Information about storage in one common storage facility:</u></div>	<div>Store away from oxidising agents. Store away from foodstuffs.</div>	
<div>· <u>Further information about storage conditions:</u></div>	<div>Store receptacle in a well ventilated area. Store in a cool place. Protect from frost. Keep container tightly sealed.</div>	
<div>· <u>Storage class:</u></div>	<div>3</div>	
<div>· 7.3 Specific end use(s)</div>	<div>No further relevant information available.</div>	
SECTION 8: Exposure controls/personal protection		
<div>· 8.1 Control parameters</div>		
<div>· <u>Ingredients with limit values that require monitoring at the workplace:</u></div>		
<div>78-10-4 tetraethyl silicate</div>		
<div>IOELV Long-term value: 44 mg/m³, 5 ppm</div>		
<div>· <u>DNELs</u></div>		
<div>78-10-4 tetraethyl silicate</div>		
<div>Dermal</div>	<div>DNEL (Kurzzeit-akut)</div>	<div>12.1 mg/kg bw/day (ARB) 8.4 mg/kg bw/day (BEV)</div>
	<div>DNEL (Langzeit-wiederholt)</div>	<div>12.1 mg/kg bw/day (ARB) 8.4 mg/kg bw/day (BEV)</div>
<div>Inhalative</div>	<div>DNEL (Kurzzeit-akut)</div>	<div>85 mg/m³ Air (ARB) 25 mg/m³ Air (BEV)</div>
	<div>DNEL (Langzeit-wiederholt)</div>	<div>85 mg/m³ Air (ARB) 25 mg/m³ Air (BEV)</div>
<div>3648-18-8 dioctyltin dilaurate</div>		
<div>Oral</div>	<div>DNEL (Langzeit-wiederholt)</div>	<div>0.0005 mg/kg bw/day (BEV)</div>

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Inhalative	DNEL (Langzeit-wiederholt)	0.0035 mg/m ³ Air (ARB) 0.0009 mg/m ³ Air (BEV)
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· **PNECs****78-10-4 tetraethyl silicate**

PNEC (wässrig)	4,000 mg/l (KA) 0.0192 mg/l (MW) 0.192 mg/l (SW) 10 mg/l (WAS)
PNEC (fest)	0.05 mg/kg Trockengew (BO) 0.018-0.083 mg/kg Trockengew (MWS) 0.18-0.83 mg/kg Trockengew (SWS)

3648-18-8 dioctyltin dilaurate

PNEC (wässrig)	100 mg/l (KA) 0.0000018 mg/l (MW) 0.0000018 mg/l (SW)
PNEC (fest)	0.005593 mg/kg Trockengew (BO) 0.02798 mg/kg Trockengew (MWS) 0.02798 mg/kg Trockengew (SWS)

· **Additional information:**

The lists valid during the making were used as basis.

· **8.2 Exposure controls**

- Appropriate engineering controls No further data; see section 7.
- Individual protection measures, such as personal protective equipment
- General protective and hygienic measures:

Do not eat, drink, smoke or sniff while working.
 Apply solvent resistant skin cream before starting work.
 Use skin protection cream for skin protection.
 Keep away from foodstuffs, beverages and feed.
 Wash hands before breaks and at the end of work.

· Respiratory protection:

Filter AX

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.

· Hand protection

Preventive skin protection by use of skin-protecting agents is recommended.

After use of gloves apply skin-cleaning agents and skin cosmetics.

Skin protection agent recommendation for preventive skin shelter without use of protective gloves:

STOKODERM (<http://www.stoko.com>)

Skin protection agent recommendation for preventive skin shelter in application and combination of protective gloves:

STOKO EMULSION (<http://www.stoko.com>)

Skin protection recommendation for skin cleaning after product handling:

FRAPANTOL (<http://www.stoko.com>)

Skin protection agent recommendation for skin aftercare:

STOKO VITAN (<http://www.stoko.com>)

The protection gloves to be used have to comply with the specifications of the directive 89/686/EC and the directive derived decree EN374, respectively, e.g. the above listed protection glove type. The mentioned permeation times' data were generated and verified with material samples of the recommended protection glove type in the scope of laboratory analyses of the company KCL GmbH in compliance with EN374.

This recommendation refers exclusively to the material safety data sheet referenced product delivered by Akemi and the indicated field of application. In case of product dilution or in case of mixture with different substances or

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chemicals, and in condition of EN374 deviation the producer of CE-approved protection gloves must be contacted for detailed information (e.g., KCL GmbH, Germany, 36124 Eichenzell, internet: <http://www.kcl.de>).

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

Fluorocarbon rubber (Viton)

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

Value for the permeation: Level \leq 6; 480 min

The exact break trough 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:

Fluorocarbon rubber (Viton)

Vitoject (KCL, Art_No. 890)

Nitrile rubber, NBR

Camatril (KCL, Art_No. 730, 731, 732, 733)

· As protection from splashes gloves made of the following materials are suitable:

Fluorocarbon rubber (Viton)

Vitoject (KCL, Art_No. 890)

Nitrile rubber, NBR

Camatril (KCL, 730, 731, 732, 733)

· Not suitable are gloves made of the following materials:

Natural rubber, NR

Rubber gloves

Leather gloves

Strong material gloves

Neoprene gloves

· Eye/face protection



Tightly sealed goggles

· Body protection:

Protective work clothing

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Colour:

Colourless

· Odour:

Specific type

· Odour threshold:

Not determined.

· Melting point/freezing point:

Undetermined.

· Boiling point or initial boiling point and boiling range

173 °C

· Flammability

Not applicable.

· Lower and upper explosion limit

· Lower:

Not determined.

· Upper:

Not determined.

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· Flash point:	43 °C
· Decomposition temperature:	Not determined.
· pH	Not determined.
	Not applicable
· Viscosity:	
· Kinematic viscosity	Not determined.
· Dynamic:	Not determined.
· Solubility	
· water:	Not miscible or difficult to mix.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure:	Not determined.
· Density and/or relative density	
· Density at 20 °C:	0.76 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.

9.2 Other information

· Appearance:	
· Form:	Fluid
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· Solvent content:	
· Organic solvents:	91.7 %
· Change in condition	
· Evaporation rate	Not determined.

· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Flammable liquid and vapour.
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

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 and stored according to specifications.

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· **10.3 Possibility of hazardous reactions**

Reacts with strong oxidising agents.
Forms flammable gases/fumes.

· **10.4 Conditions to avoid**

No further relevant information available.

· **10.5 Incompatible materials:**

No further relevant information available.

· **10.6 Hazardous decomposition products:**

Carbon monoxide and carbon dioxide

SECTION 11: Toxicological information

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

· Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:

13475-82-6 2,2,4,6,6-pentamethylheptan

Oral	LD50	>5,000 mg/kg (rat) (OECD 401)
Dermal	LD50	2,200-2,500 mg/kg (rabbit) (OECD 402)
Inhalative	LC50/8h	>5 ppm (rat)
	LC50/48h	>3,193 mg/l (daphnia magna) (ISO 14559)

Hydrocarbons, C10-C12, Isoalkanes, <2% aromatics

Oral	LD50	>5,000 mg/kg (rat) (OECD 401)
Dermal	LD50	>5,000 mg/kg (rabbit) (OECD 402)
Inhalative	LC50/8h	>5 mg/l (rat)
	LC50/48h	>1,000 mg/l (daphnia magna) (OECD 202)

78-10-4 tetraethyl silicate

Oral	LD50	>2,500 mg/kg (rat)
	NOAEL	10 mg/kg (rat)
Inhalative	LC50/4 h	10-16.8 mg/l (rat)

3648-18-8 dioctyltin dilaurate

Oral	LD50	6,450 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)

· 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.
· 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	May be fatal if swallowed and enters airways.

· **11.2 Information on other hazards**

· Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

· **12.1 Toxicity**

· Aquatic toxicity:

13475-82-6 2,2,4,6,6-pentamethylheptan

IC50/72h	>1,000 mg/l (Pseudokirchneriella subcapitata)
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EC50/48h	>1,000 mg/l (daphnia magna)
NOELR/72h	1,000 mg/l (Pseudokirchneriella subcapitata) (OECD201)
NOELR/21d	0.02 mg/l (daphnia magna) (OECD 211)
NOELR/28d	0.267 mg/l (Oncorhynchus mykiss) ((Q)SAR)
EC50/72h	>1,000 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
LC50/96h	>1,000 mg/l (Oncorhynchus mykiss) (OECD 203)

Hydrocarbons, C10-C12, Isoalkanes, <2% aromatics

EL0/48h	1,000 mg/l (daphnia magna)
EL0/72h	1,000 mg/l (Pseudokirchneriella subcapitata)
LL0/96h	1,000 mg/l (Oncorhynchus mykiss)
NOELR/72h	1,000 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
NOELR/21d	<1 mg/l (daphnia magna) (OECD 211)
NOELR/28d	0.192 mg/l (Oncorhynchus mykiss) ((Q)SAR)
EC50/72h	>1,000 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
LC50/96h	>1,000 mg/l (Oncorhynchus mykiss) (OECD 203)

78-10-4 tetraethyl silicate

EC50	>100 mg/l (Klärschlamm: Atmungs-/Vermehrungshemmung)
EC50/48h	>75 mg/l (daphnia magna)
EC50/72h	>100 mg/l (Pseudokirchneriella subcapitata)
LC50/96h	>245 mg/l (Danio rerio.)

- **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**

- Remark:

Toxic for fish

- Additional ecological information:

- General notes:

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

Do not allow product to reach ground water, water course or sewage system.

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for 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.

- Uncleaned packaging:

- Recommendation:

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

- Recommended cleansing agents:

Alcohol

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SECTION 14: Transport information· **14.1 UN number or ID number**· ADR, IMDG, IATA

UN3295

· **14.2 UN proper shipping name**· ADR

3295 HYDROCARBONS, LIQUID, N.O.S. (Hydrocarbons, C10-C12, Isoalkanes, <2% aromatics, 2,2,4,6,6-pentamethylheptan), ENVIRONMENTALLY HAZARDOUS

· IMDG

HYDROCARBONS, LIQUID, N.O.S. (Hydrocarbons, C10-C12, Isoalkanes, <2% aromatics, 2,2,4,6,6-pentamethylheptan), MARINE POLLUTANT

· IATA

HYDROCARBONS, LIQUID, N.O.S. (Hydrocarbons, C10-C12, Isoalkanes, <2% aromatics, 2,2,4,6,6-pentamethylheptan)

· **14.3 Transport hazard class(es)**· ADR· Class

3 (F1) Flammable liquids.

· Label

3

· IMDG· Class

3 Flammable liquids.

· Label

3

· IATA· Class

3 Flammable liquids.

· Label

3

· **14.4 Packing group**· ADR, IMDG, IATA

III

· **14.5 Environmental hazards:**· Marine pollutant:

Product contains environmentally hazardous substances:

Yes

· Special marking (ADR):

Symbol (fish and tree)

Symbol (fish and tree)

· **14.6 Special precautions for user**· Hazard identification number (Kemler code):

Warning: Flammable liquids.

30

· EMS Number:

F-E,S-D

· Stowage Category

A

· **14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

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· Transport/Additional information:

· ADR	5L
· Limited quantities (LQ)	Code: E1
· Excepted quantities (EQ)	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 ml
· Transport category	3
· Tunnel restriction code	D/E

· IMDG	5L
· Limited quantities (LQ)	Code: E1
· Excepted quantities (EQ)	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 ml

· UN "Model Regulation":	UN 3295 HYDROCARBONS, LIQUID, N.O.S. (HYDROCARBONS, C10-C12, ISOALKANES, <2% AROMATICS, 2,2,4,6,6-PENTAMETHYLHEPTAN), 3, III, ENVIRONMENTALLY HAZARDOUS
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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	E2 Hazardous to the Aquatic Environment P5c FLAMMABLE LIQUIDS
· Qualifying quantity (tonnes) for the application of lower-tier requirements	200 t
· Qualifying quantity (tonnes) for the application of upper-tier requirements	500 t
· REGULATION (EC) No 1907/2006 ANNEX XVII	Conditions of restriction: 3, 20

· Regulation (EU) No 649/2012

3648-18-8 dioctyltin dilaurate

Annex I Part 1

· 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.

· 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.

· Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

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EU

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 11.01.2024

Version number 3 (replaces version 2)

Revision: 11.01.2024

Trade name: Duro Impregnator

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· Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

· National regulations:

· Information about limitation of use: Employment restrictions concerning pregnant and lactating women must be observed.

Employment restrictions concerning juveniles must be observed.

· Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

· Substances of very high concern (SVHC) according to REACH, Article 57

3648-18-8 dioctyltin dilaurate

· VOC EU 696.8 g/l

· **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.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

· Department issuing SDS: Laboratory

· Date of previous version: 16.01.2023

· Version number of previous version: 2

· 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)
 DNEL: Derived No-Effect Level (REACH)
 PNEC: Predicted No-Effect Concentration (REACH)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 SVHC: Substances of Very High Concern
 vPvB: very Persistent and very Bioaccumulative
 ATE: Acute toxicity estimate values
 Flam. Liq. 3: Flammable liquids – Category 3
 Acute Tox. 4: Acute toxicity – Category 4
 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
 Repr. 1B: Reproductive toxicity – Category 1B
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
 STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
 Asp. Tox. 1: Aspiration hazard – Category 1
 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
 Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4

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