

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

EGO HAFTREINIGER

Revision date: 22.01.2024

Product code: 665_

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

EGO HAFTREINIGER

Product group: primer

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

contact adhesive/ primer for Silicone Sealant

1.3. Details of the supplier of the safety data sheet

Company name:	EGO Dichtstoffwerke GmbH & Co. Betriebs KG		
Street:	Kaltenbrunn 27		
Place:	D-82467 Garmisch-Partenkirchen		
Telephone:	+49 (0)8821 956 90	Telefax:	+49 (0)8821 956 990
E-mail:	info@ego.de		
Contact person:	Laboratory	Telephone:	+49 (0)8821 956 960
E-mail:	EGO-Labor@ego.de		
Internet:	www.ego.de		

1.4. Emergency telephone

+49 55119240 (24h/7d)

number:

GIZ-Nord, Göttingen

Member of EPECs network

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No 1272/2008**

Flam. Liq. 2; H225
Asp. Tox. 1; H304
Skin Irrit. 2; H315
Eye Dam. 1; H318
STOT SE 3; H336
Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

2.2. Label elements**Regulation (EC) No 1272/2008****Hazard components for labelling**

hydrocarbon, C7-C9, isoalkane
C7-C9 Isoalkane
Titanettrabutanolat

Signal word: Danger

Pictograms:**Hazard statements**

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.

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H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P243 Take action to prevent static discharges.
- P271 Use only outdoors or in a well-ventilated area.
- P273 Avoid release to the environment.
- P280 Wear protective gloves / protective clothing / eye protection.
- P312 Call a POISON CENTER/doctor if you feel unwell.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P501 Dispose of contents/container in accordance with local regulation.

2.3. Other hazards

This information is not available.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Chemical characterization**

silanes and siloxanes with functional groups + auxiliary material in solvent

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
	hydrocarbon, C7-C9, isoalkane			< 75 %
	921-728-3		01-2119471305-42	
	Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H315 H336 H304 H411			
90622-56-3	C7-C9 Isoalkane			< 50 %
	292-458-5		01-2119471305-42	
	Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H315 H336 H304 H411			
5593-70-4	Titanetetrabutanolat			< 5 %
	227-006-8		01-2119967423-33	
	Flam. Liq. 3, Skin Irrit. 2, Eye Dam. 1, STOT SE 3, STOT SE 3; H226 H315 H318 H335 H336			
78-10-4	ethyl silicate, tetraethyl silicate			1 - < 5 %
	201-083-8	014-005-00-0	01-2119496195-28	
	Flam. Liq. 3, Acute Tox. 4, Eye Irrit. 2, STOT SE 3; H226 H332 H319 H335			

Full text of H and EUH statements: see section 16.

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Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
	921-728-3	hydrocarbon, C7-C9, isoalkane	< 75 %
		inhalation: LC50 = 21 mg/l (vapours); dermal: LD50 = >2000 mg/kg; oral: LD50 = >5000 mg/kg	
90622-56-3	292-458-5	C7-C9 Isoalkane	< 50 %
		inhalation: LC50 = 21 mg/l (vapours); dermal: LD50 = > 3000 mg/kg; oral: LD50 = > 10000 mg/kg	
78-10-4	201-083-8	ethyl silicate, tetraethyl silicate	1 - < 5 %
		inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = 5880 mg/kg; oral: LD50 = 6270 mg/kg	

SECTION 4: First aid measures**4.1. Description of first aid measures****After inhalation**

Move to fresh air in case of accidental inhalation of vapours. If you feel unwell, seek medical advice (show the label where possible).

If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice.

After contact with skin

Wash off with soap and water. Take off all contaminated clothing immediately.

After contact with eyes

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

After ingestion

Do NOT induce vomiting. Danger of inhalation Show this safety data sheet to the doctor in attendance.

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

This information is not available.

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

Treat symptomatically. Further information on toxicology in Section 11 should be noted.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Dry powder, Carbon dioxide (CO₂), alcohol resistant foam.

Unsuitable extinguishing media

High volume water jet

5.2. Special hazards arising from the substance or mixture

Combustion may provoke smoke emission.

5.3. Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.

Additional information

Standard procedure for chemical fires.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Use personal protective equipment. Do not breathe vapours or spray mist. Ensure adequate ventilation, especially in confined areas. Avoid contact with skin and eyes.

Remove all sources of ignition. Do not smoke.

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Take precautionary measures against static discharges.

For non-emergency personnel

Remove from all sources of ignition. Provide adequate ventilation. Wear personal protection equipment.

For emergency responders

Wear personal protection equipment.

6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system. When leaking into waters, sewers or underground, notify competent authority.

6.3. Methods and material for containment and cleaning up**For containment**

Cover the sewers.

For cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Use mechanical handling equipment.

Other information

Treat recovered material as described in the section "Disposal considerations".

6.4. Reference to other sections

See also section 7,8,13

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Provide sufficient air exchange and/or exhaust in work rooms.

Advice on protection against fire and explosion

Take measures to prevent the build up of electrostatic charge.

Processing may lead to evolution of flammable volatiles. Vapours may form explosive mixtures with air.

Keep away from sources of ignition - No smoking.

Advice on general occupational hygiene

Handle in accordance with good industrial hygiene and safety practice.

When using, do not eat, drink or smoke. Do not breathe vapours or spray mist. Avoid contact with the skin and the eyes. Take off all contaminated clothing immediately. Wash contaminated clothing before re-use. Wash hands before breaks and at the end of workday.

Further information on handling

Avoid prolonged or repeated contact with skin.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep containers tightly closed in a dry, cool and well-ventilated place.

Keep away from direct sunlight. Keep away from heat and sources of ignition.

Hints on joint storage

None known.

Further information on storage conditions

Keep containers dry and tightly closed to avoid moisture absorption and contamination.

7.3. Specific end use(s)

contact adhesive/ primer for Silicone Sealant

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

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Occupational exposure limit values

CAS No	Name of agent	ppm	mg/m ³	fib/cm ³	Category	Origin
78-10-4	Tetraethyl orthosilicate	5	44		TWA (8 h)	

DNEL/DMEL values

CAS No	Name of agent	Exposure route	Effect	Value
	hydrocarbon, C7-C9, isoalkane			
	Consumer DNEL, long-term	oral	systemic	699 mg/kg bw/day
	Consumer DNEL, long-term	dermal	systemic	699 mg/kg bw/day
	Worker DNEL, long-term	dermal	systemic	773 mg/kg bw/day
	Consumer DNEL, long-term	inhalation	systemic	608 mg/m ³
	Worker DNEL, long-term	inhalation	systemic	2035 mg/m ³
78-10-4	ethyl silicate, tetraethyl silicate			
	Worker DNEL, acute	dermal	systemic	12,1 mg/kg bw/day
	Worker DNEL, long-term	dermal	systemic	12,1 mg/kg bw/day
	Worker DNEL, acute	inhalation	systemic	85 mg/m ³
	Worker DNEL, acute	inhalation	local	85 mg/m ³
	Worker DNEL, long-term	inhalation	systemic	85 mg/m ³
	Worker DNEL, long-term	inhalation	local	85 mg/m ³
	Consumer DNEL, acute	dermal	systemic	8,4 mg/kg bw/day
	Consumer DNEL, long-term	dermal	systemic	8,4 mg/kg bw/day
	Consumer DNEL, acute	inhalation	systemic	25 mg/m ³
	Consumer DNEL, acute	inhalation	local	25 mg/m ³
	Consumer DNEL, long-term	inhalation	systemic	25 mg/m ³
	Consumer DNEL, long-term	inhalation	local	25 mg/m ³

PNEC values

CAS No	Name of agent	Value
	Environmental compartment	
78-10-4	ethyl silicate, tetraethyl silicate	
	Freshwater	0,192 mg/l
	Marine water	0,0192 mg/l
	Freshwater sediment	0,18 mg/kg
	Marine sediment	0,018 mg/kg
	Soil	0,05 mg/kg
	Secondary poisoning	4000 mg/l
	Freshwater (intermittent releases)	10 mg/l

8.2. Exposure controls**Individual protection measures, such as personal protective equipment****Eye/face protection**

Tightly fitting safety goggles

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Hand protection

Solvent-resistant gloves: Fluorinated rubber, NBR (Nitrile rubber).

The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Request information on glove permeation properties from the glove supplier. The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case.

Skin protection

Protective suit

Respiratory protection

Ensure adequate ventilation, especially in confined areas. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. (gas filter type ABEK / ABEK-P2). In case of long or strong exposure, use breathing apparatus. Suitable respiratory protection: Self-contained breathing apparatus, according to recognized standards such as EN 137.

Thermal hazards

Do not heat the product.

Under fire conditions: Flame-resistant clothing

Low temperature resistant gloves: not required

Environmental exposure controls

Do not flush into surface water or sanitary sewer system.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	liquid	
Colour:	colourless	
Odour:	characteristic	
Odour threshold:	not determined	
Melting point/freezing point:		not determined
Boiling point or initial boiling point and boiling range:		90 - 150 °C
Lower explosion limits:		0,9 vol. %
Upper explosion limits:		7,0 vol. %
Flash point:		2 °C
Auto-ignition temperature:		> 200 °C
Water solubility:		insoluble
Vapour pressure:		not determined
(at 20 °C)		
Density (at 20 °C):		0,74 g/cm ³
Particle characteristics:		not applicable

SECTION 10: Stability and reactivity**10.1. Reactivity**

No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

Stable under normal conditions.

10.4. Conditions to avoid

Heat, flames and sparks. humid air and water.

10.5. Incompatible materials

Oxidizing agents, Acids, Bases, Water.

10.6. Hazardous decomposition products

No decomposition if used as directed.

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SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity**

No data is available on the product itself.

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) 758,6 mg/l; ATE (inhalation dust/mist) 103,4 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
	hydrocarbon, C7-C9, isoalkane				
	oral	LD50 >5000 mg/kg	rat		
	dermal	LD50 >2000 mg/kg	rat		
	inhalation (4 h) vapour	LC50 21 mg/l	rat		
90622-56-3	C7-C9 Isoalkane				
	oral	LD50 > 10000 mg/kg	rat		
	dermal	LD50 > 3000 mg/kg	rat		
	inhalation (4 h) vapour	LC50 21 mg/l	rat		
78-10-4	ethyl silicate, tetraethyl silicate				
	oral	LD50 6270 mg/kg	Rat	GESTIS	
	dermal	LD50 5880 mg/kg	Rabbit	GESTIS	
	inhalation vapour	ATE 11 mg/l			
	inhalation dust/mist	ATE 1,5 mg/l			

Irritation and corrosivityIrritating to respiratory system and skin.
Risk of serious damage to eyes.**Sensitising effects**

None known.

Carcinogenic/mutagenic/toxic effects for reproduction

No data is available on the product itself.

STOT-single exposure

Vapours may cause drowsiness and dizziness.

STOT-repeated exposure

No data is available on the product itself.

Aspiration hazard

Risk of serious damage to the lungs (by aspiration). Aspiration may cause pulmonary oedema and pneumonitis.

Information on likely routes of exposure

Skin contact, Aspiration hazard

11.2. Information on other hazards**Further information**

Harmful by inhalation and in contact with skin. Repeated or prolonged contact with the preparation may cause

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removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.
Concentration above the admissible concentration at the workplace may cause dizziness, headache and inebriation.

SECTION 12: Ecological information**12.1. Toxicity**

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
	hydrocarbon, C7-C9, isoalkane					
	Algae toxicity	NOEC 6,3 mg/l	3 d			
	Crustacea toxicity	NOEC 0,17 mg/l	21 d			

12.2. Persistence and degradability

No data is available on the product itself.

12.3. Bioaccumulative potential

No data is available on the product itself.

12.4. Mobility in soil

No data is available on the product itself.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

The substance / mixture does not contain any components in amounts of 0,1% or more which according to REACH Article 57 (f) or the delegated regulation (EU) 2017/2100 of the commission or the delegated regulation (EU) 2018/605 have endocrine disrupting properties.

12.7. Other adverse effects

no data available

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations**

Recommendation: Material that can not be recycled, reprocessed or recycled should be disposed of in an approved facility in accordance with national, state and local regulations. Depending on the regulations, waste treatment methods may include, for example, disposal in a landfill or incineration.

For this product, no waste code number according to the European Waste Catalog (AVV) can be specified, since only the intended use by the consumer allows an allocation. The waste code number must be determined within the EU in consultation with the disposal company.

Contaminated packaging

Empty remaining contents. Dispose of in accordance with local regulations.

Non-cleanable packaging must be disposed of in the same way as the substance.

SECTION 14: Transport information**Land transport (ADR/RID)**

14.1. UN number or ID number: UN 3295

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14.2. UN proper shipping name: HYDROCARBONS, LIQUID, N.O.S. (contains isoparaffins, C7-C9 isoalkanes)

14.3. Transport hazard class(es): 3

14.4. Packing group: II

Hazard label: 3



Classification code: F1

Special Provisions: 640D

Limited quantity: 1 L

Excepted quantity: E2

Transport category: 2

Tunnel restriction code: D/E

Marine transport (IMDG)

14.1. UN number or ID number: UN 3295

14.2. UN proper shipping name: HYDROCARBONS, LIQUID, N.O.S.
(contains isoparaffins, C7-C9 isoalkanes)

14.3. Transport hazard class(es): 3

14.4. Packing group: II

Hazard label: 3



Marine pollutant: yes

Special Provisions: -

Limited quantity: 1 L

EmS: F-E, S-D

Other applicable information (marine transport)

E2

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: UN 3295

14.2. UN proper shipping name: HYDROCARBONS, LIQUID, N.O.S.
(contains isoparaffins, C7-C9 isoalkanes)

14.3. Transport hazard class(es): 3

14.4. Packing group: II

Hazard label: 3



Special Provisions: A3 A224

Limited quantity Passenger: 1 L

IATA-packing instructions - Passenger: 353

IATA-max. quantity - Passenger: 5 L

IATA-packing instructions - Cargo: 364

IATA-max. quantity - Cargo: 60 L

Other applicable information (air transport)

Y341

E2

14.5. Environmental hazards

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ENVIRONMENTALLY HAZARDOUS: Yes

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

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40

National regulatory information

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D):

2 - obviously hazardous to water

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

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Abbreviations and acronyms

CLP: Classification, labelling and Packaging
REACH: Registration, Evaluation and Authorization of Chemicals
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
UN: United Nations
CAS: Chemical Abstracts Service
DNEL: Derived No Effect Level
DMEL: Derived Minimal Effect Level
PNEC: Predicted No Effect Concentration
ATE: Acute toxicity estimate
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%
LL50: Lethal loading, 50%
EL50: Effect loading, 50%
EC50: Effective Concentration 50%
ErC50: Effective Concentration 50%, growth rate
NOEC: No Observed Effect Concentration
BCF: Bio-concentration factor
PBT: persistent, bioaccumulative, toxic
vPvB: very persistent, very bioaccumulative
ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Regulations concerning the international carriage of dangerous goods by rail
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)
IMDG: International Maritime Code for Dangerous Goods
EmS: Emergency Schedules
MFAG: Medical First Aid Guide
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
MARPOL: International Convention for the Prevention of Marine Pollution from Ships
IBC: Intermediate Bulk Container
VOC: Volatile Organic Compounds
SVHC: Substance of Very High Concern
Flam. Liq: Flammable liquid
Acute Tox: Acute toxicity
Asp. Tox: Aspiration hazard
Skin Irrit: Skin irritation
Eye Dam: Eye damage
Eye Irrit: Eye irritation
STOT SE: Specific target organ toxicity - single exposure
Aquatic Chronic: Chronic aquatic hazard

Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

Classification	Classification procedure
Flam. Liq. 2; H225	On basis of test data
Asp. Tox. 1; H304	Calculation method
Skin Irrit. 2; H315	Calculation method
Eye Dam. 1; H318	Calculation method
STOT SE 3; H336	Calculation method
Aquatic Chronic 2; H411	Calculation method

Relevant H and EUH statements (number and full text)

H225 Highly flammable liquid and vapour.

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H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

Further Information

These data describe only the safety requirements for the product(s) and are based on our present knowledge. However, they do not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)