

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

EGO PRIMER FML

Revision date: 22.01.2024

Product code: 662_

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

EGO PRIMER FML

Product group: primer

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

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 number:

+49 55119240 (24h/7d)
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**

C7-C9 Isoalkane
Titanetetrabutanolat

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.
H411	Toxic to aquatic life with long lasting effects.

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Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves / protective clothing / eye protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331	Do NOT induce vomiting.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P501	Dispose of contents/container in accordance with local regulation.

Special labelling of certain mixtures

The following percentage of the mixture consists of ingredient(s) with unknown hazards to the aquatic environment: 6,7

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)			
90622-56-3	C7-C9 Isoalkane			> 75 %
	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			< 10 %
	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			< 3 %
	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.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
90622-56-3	292-458-5	C7-C9 Isoalkane	> 75 %
	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	< 3 %
	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

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4.1. Description of first aid measures**General information**

In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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 not breathing, give 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.

If symptoms persist, call a physician.

Show this safety data sheet to the doctor in attendance.

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

Relevant information can be found in other parts of this section.

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

Further information on toxicology in Section 11 should be noted.

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

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

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**

Keep away from unprotected people. Keep upwind.

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.

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. Contain leaking fluid with suitable material (e.g., soil).

Retain and dispose of contaminated wash water. Dispose of in accordance with the European Directives on waste and hazardous waste.

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

Other information

Dike larger amounts and pump into appropriate containers.

Remove from all sources of ignition.

6.4. Reference to other sections

See also section 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

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

Keep away from sources of ignition - No smoking.

Keep product and empty container away from heat and sources of ignition.

Take measures to prevent the build up of electrostatic charge. Cool endangered containers with water spray.

Advice on general occupational hygiene

When using, do not eat, drink or smoke. Do not breathe vapours or spray mist. Avoid contact with the skin and the eyes.

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.

Avoid subsoil penetration.

Hints on joint storage

Incompatible with oxidizing agents. Pay attention to local official regulations

Further information on storage conditions

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

7.3. Specific end use(s)

no data available

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

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DNEL/DMEL values

CAS No	Name of agent			
DNEL type		Exposure route	Effect	Value
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/m³
Worker DNEL, acute		inhalation	local	85 mg/m³
Worker DNEL, long-term		inhalation	systemic	85 mg/m³
Worker DNEL, long-term		inhalation	local	85 mg/m³
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/m³
Consumer DNEL, acute		inhalation	local	25 mg/m³
Consumer DNEL, long-term		inhalation	systemic	25 mg/m³
Consumer DNEL, long-term		inhalation	local	25 mg/m³

PNEC values

CAS No	Name of agent	
Environmental compartment	Value	
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	

Additional advice on limit values

toluene, Butanole, Ethanol: not teratogenic if the exposure limit value is applied.

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

Tightly fitting safety goggles

Hand protection

When handling the product always wear protective gloves. Recommended glove material: Protective gloves made of fluorinated rubber Material thickness:> 0.7 mm Breakthrough time:> 480 min Recommended glove material: Protective gloves made of 5-layer PE and EVOH (4H) laminate Material thickness:> 0.062 mm Breakthrough time:> 480 min Please refer to the glove supplier for permeability and breakthrough time. Also take into account the specific local conditions under which the product is used, such as cutting risk, abrasion and contact duration. It should be noted that the daily life of a chemical protective glove in practice may be significantly shorter than the permeation time determined by tests due to the many factors of influence (for example temperature).

Skin protection

Protective suit

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Respiratory protection

If inhalation exposure above the workplace exposure limit can not be excluded, appropriate respiratory protective equipment should be used. Suitable respiratory protection: Respirator with full face mask, in accordance with recognized standards such as EN 136. Recommended filter type: ABEK gas filter (certain inorganic, organic and acid gases and vapors, ammonia / amines), in accordance with recognized standards such as EN 14387. Wear appropriate respiratory protective equipment and protective clothing when exposed to spray or aerosol. Suitable respiratory protection: Respirator with full face mask, in accordance with recognized standards such as EN 136. Recommended filter type: Combination filter ABEK-P2 (certain inorganic, organic and acid gases and vapors, ammonia / amines, particles), according to recognized standards such as EN 14387. 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. The wearing time limit for respiratory protection as well as instructions of the device manufacturer are to be observed.

Thermal hazards

Do not heat the product.
Under fire conditions: Flame-resistant clothing
Low temperature resistant gloves: not required

Environmental exposure controls

Avoid subsoil penetration. 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:	light yellow
Odour:	mild
Odour threshold:	not determined

	Test method
Melting point/freezing point:	not applicable
Boiling point or initial boiling point and boiling range:	116 - 142 °C
Lower explosion limits:	0,9 vol. %
Upper explosion limits:	7,0 vol. %
Flash point:	2 °C DIN EN ISO 13736
Auto-ignition temperature:	380 °C EN 14522
Decomposition temperature:	Exempt
pH-Value:	not applicable. Mixture not soluble in water
Viscosity / kinematic:	1 mm ² /s
Water solubility:	insoluble
Partition coefficient n-octanol/water:	not applicable
Vapour pressure:	50 hPa
(at 25 °C)	
Vapour pressure:	121 hPa
(at 50 °C)	
Density (at 23 °C):	0,76 g/cm ³ DIN 51757
Particle characteristics:	not applicable

9.2. Other information**Other safety characteristics**

Viscosity / dynamic:	0,76 mPa·s
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SECTION 10: Stability and reactivity

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10.1. Reactivity

No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

Stable at normal ambient temperature and pressure.

10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid

moisture.

10.5. Incompatible materials

Oxidizing agents, Acids, Bases, Water. The reaction produces alcohols.

10.6. Hazardous decomposition products

No decomposition if used as directed. By humidity: Ethanol, Butanole

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.

Acute toxicity estimate (ATE) (Oral): > 5000 mg/kg

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
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 corrosivity

No data is available on the product itself.

C7-C9 isoalkanes: Causes skin irritation.

Titanettrabutanolat: Risk of serious damage to eyes.

Sensitising effects

No data is available on the product itself.

Carcinogenic/mutagenic/toxic effects for reproduction

No data is available on the product itself.

STOT-single exposure

No data is available on the product itself.

C7-C9 isoalkanes: Vapors may be narcotic.

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STOT-repeated exposure

No data is available on the product itself.

Aspiration hazard

No data is available on the product itself.

C7-C9 isoalkanes: Aspiration hazard

Information on likely routes of exposure

Skin contact, Aspiration hazard

Specific effects in experiment on an animal

This information is not available.

Practical experience

This information is not available.

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 removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

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

No data is available on the product itself.

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

None known.

Further information

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

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

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within the EU in consultation with the disposal company.

Contaminated packaging

recommendation:

Packaging must be completely emptied (drip-free, free from trickle, spatula-clean)., 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 1993

14.2. UN proper shipping name:

FLAMMABLE LIQUID, N.O.S. (C7-C9 isoalkanes, Titanium tetrabutanolate)

14.3. Transport hazard class(es):

3

14.4. Packing group:

II

Hazard label:

3



Classification code:

F1

Special Provisions:

274 601

Limited quantity:

1 L

Excepted quantity:

E2

Transport category:

2

Hazard No:

33

Tunnel restriction code:

D/E

Marine transport (IMDG)**14.1. UN number or ID number:**

UN 1993

14.2. UN proper shipping name:

FLAMMABLE LIQUID, N.O.S. (C7-C9 isoalkanes, Titanium tetrabutanolate)

14.3. Transport hazard class(es):

3

14.4. Packing group:

II

Hazard label:

3



Marine pollutant:

yes

Special Provisions:

274

Limited quantity:

1 L

Excepted quantity:

E2

EmS:

F-E, S-E

Air transport (ICAO-TI/IATA-DGR)**14.1. UN number or ID number:**

UN 1993

14.2. UN proper shipping name:

FLAMMABLE LIQUID, N.O.S. (C7-C9 isoalkanes, Titanium tetrabutanolate)

14.3. Transport hazard class(es):

3

14.4. Packing group:

II

Hazard label:

3



Special Provisions:

A3

Limited quantity Passenger:

1 L

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Passenger LQ:	Y341	
Excepted quantity:	E2	
IATA-packing instructions - Passenger:		353
IATA-max. quantity - Passenger:		5 L
IATA-packing instructions - Cargo:		364
IATA-max. quantity - Cargo:		60 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: Yes

**14.6. Special precautions for user**

Reference to other sections

14.7. Maritime transport in bulk according to IMO instruments

Not relevant

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). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

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

Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
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.



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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.)