

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

EGO PRIMER FDF

Revision date: 24.08.2023

Product code: 660__300

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

EGO PRIMER FDF

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 Irrit. 2; H319
Repr. 2; H361d
STOT SE 3; H336
STOT RE 2; H373

Full text of hazard statements: see SECTION 16.

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

acetone; propan-2-one; propanone
toluene

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.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

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H361d Suspected of damaging the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331 Do NOT induce vomiting.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P312 Call a POISON CENTER/doctor if you feel unwell.
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 to Disposal.

Special labelling of certain mixtures

EUH208 Contains Zirconiumbutanolat. May produce an allergic reaction.

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

silicon resin in solvent

Hazardous components

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
67-64-1	acetone; propan-2-one; propanone			< 60%
	200-662-2	606-001-00-8		
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066			
108-88-3	toluene			< 12%
	203-625-9	601-021-00-3		
	Flam. Liq. 2, Repr. 2, Skin Irrit. 2, STOT SE 3, STOT RE 2, Asp. Tox. 1; H225 H361d H315 H336 H373 H304			
78-10-4	tetraethyl silicate; ethyl silicate			< 2%
	201-083-8	014-005-00-0		
	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	
67-64-1	200-662-2	acetone; propan-2-one; propanone	< 60%
		inhalation: LC50 = 76 mg/l (vapours); dermal: LD50 = 20000 mg/kg; oral: LD50 = 5800 mg/kg	
108-88-3	203-625-9	toluene	< 12%
		inhalation: LC50 = 49 mg/l (vapours); dermal: LD50 = 12200 mg/kg	
78-10-4	201-083-8	tetraethyl silicate; ethyl silicate	< 2%
		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****General information**

Move out of dangerous area. Do not leave the victim unattended.
Vapours may cause drowsiness and dizziness.
If symptoms persist, call a physician.
Avoid exposure to women during early pregnancy.

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). Keep patient warm and at rest.

After contact with skin

Take off all contaminated clothing immediately. Wash off with soap and water. For large quantities go immediately under the emergency shower. Get medical attention.

After contact with eyes

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

After ingestion

Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Danger of inhalation
When unconscious, do not administer anything through the mouth. 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

If inhaled Treat with cortisone spray as soon as possible.

Hazard identification: toxic effects for reproduction.

Caution if victim vomits: Risk of aspiration!

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

Water spray jet, 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

Hazardous decomposition products: Ethanol. 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.

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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.

Keep away from unprotected people. Keep upwind. 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. Prevent allover extension (e.g. knocking-down or a boom). Retain and dispose of contaminated wash water.

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

Do not rinse with water. For small quantities: With liquid-binding material, e.g. Diatomaceous earth, pick up and dispose of properly. Dike larger quantities, pump into suitable containers. Remove any remaining slippery surface with detergent / soap solution or other biodegradable cleaner. Vacuum off vapors.

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. Avoid breathing vapours, mist or gas. Avoid contact with skin, eye and clothing.

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 near sources of ignition.

Keep away from sources of ignition - No smoking.

Advice on general occupational hygiene

When using, do not eat, drink or smoke. Do not breathe vapours or spray mist. Avoid contact with skin and eyes. Wash hands before breaks and at the end of workday.

Keep away from food, drink and animal feeding stuffs.

Avoid exposure to women during early pregnancy.

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. Protect from moisture. Keep away from direct sunlight.

Avoid subsoil penetration.

Hints on joint storage

Store in accordance with local regulations.

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7.3. Specific end use(s)

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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
67-64-1	Acetone	500	1210		TWA (8 h)	
78-10-4	Tetraethyl orthosilicate	5	44		TWA (8 h)	
108-88-3	Toluene	50	192		TWA (8 h)	
		100	384		STEL (15 min)	

DNEL/DMEL values

CAS No	Name of agent	Exposure route	Effect	Value
78-10-4	tetraethyl silicate; ethyl 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

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

Tightly fitting safety goggles. Provide eye wash at work.

Hand protection

Solvent-resistant gloves (butyl-rubber). Duration of use approx. 10-30 minutes.

Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin protection

Long sleeved clothing

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: Combination filter ABEK-P2

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(certain inorganic, organic and acid gases and vapors, ammonia / amines, particles), according to recognized standards such as EN 14387 Wear appropriate respiratory protective equipment and protective clothing when exposed to spray or aerosol. Suitable respiratory protection: Self-contained breathing apparatus, according to recognized standards such as EN 137. 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

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

	Test method
Melting point/freezing point:	< -50 °C
Boiling point or initial boiling point and boiling range:	56 °C
Lower explosion limits:	2,3 vol. %
Upper explosion limits:	13 vol. %
Flash point:	-18 °C
Auto-ignition temperature:	540 °C
pH-Value:	approx. 7
Water solubility: (at 20 °C)	900 g/L
Vapour pressure: (at 20 °C)	233 hPa
Vapour pressure: (at 50 °C)	800 hPa
Density (at 20 °C):	approx. 0,9 g/cm ³ DIN 51757
Particle characteristics:	not applicable

9.2. Other information**Other safety characteristics**

Viscosity / dynamic: (at 25 °C)	1-2 mPa·s
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Further Information

Explosion limits for released ethanol: 3,5 - 15 Vol%

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. Exposure to moisture..

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10.5. Incompatible materials

Water, Acids, Bases.

10.6. Hazardous decomposition products

No decomposition if used as directed. Possible decomposition products in case of hydrolysis are: Ethanol.
The following applies for the silicon portion which is present in substance: Measurements have shown that a small amount of formaldehyde is split off by oxidative decomposition at temperatures above about 150 ° C.

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

No toxicology information is available.

Acute toxicity estimate (Oral) > 2000 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
67-64-1	acetone; propan-2-one; propanone				
	oral	LD50 mg/kg	5800	Rat	RTECS
	dermal	LD50 mg/kg	20000	Rabbit	IUCLID
	inhalation (4 h) vapour	LC50	76 mg/l	Rat	
108-88-3	toluene				
	dermal	LD50 mg/kg	12200	Rabbit	GESTIS
	inhalation (4 h) vapour	LC50	49 mg/l	Rat	GESTIS
78-10-4	tetraethyl silicate; ethyl silicate				
	oral	LD50 mg/kg	6270	Rat	GESTIS
	dermal	LD50 mg/kg	5880	Rabbit	GESTIS
	inhalation vapour	ATE	11 mg/l		
	inhalation dust/mist	ATE	1,5 mg/l		

Irritation and corrosivity

There is no data available for this product.

Sensitising effects

There is no data available for this product.

Carcinogenic/mutagenic/toxic effects for reproduction

toluene: Possible risk of harm to the unborn child.

STOT-single exposure

Literary reference Component toluene: Narcotic effects

STOT-repeated exposure

There is no data available for this product.

Aspiration hazard

Literary reference Component toluene: Aspiration hazard

Information on likely routes of exposure

Skin contact

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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. Irritating to eyes. Possible risk of harm to the unborn child. Vapours may cause drowsiness and dizziness.

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

There is no data available for this product.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
67-64-1	acetone; propan-2-one; propanone					
	Acute fish toxicity	LC50 mg/l	5540	96 h	Onchorhynchus mykiss	
	Acute crustacea toxicity	EC50 mg/l	6100	48 h	Daphnia magna	
108-88-3	toluene					
	Acute fish toxicity	LC50	13 mg/l	96 h	Carassius auratus	IUCLID
	Acute algae toxicity	ErC50 mg/l	12,5	72 h		GESTIS

12.2. Persistence and degradability

Polymer component Not inherently biodegradable. The solvent is biodegradable.

12.3. Bioaccumulative potential

No data is available on the product itself.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
67-64-1	acetone; propan-2-one; propanone	-0,24
108-88-3	toluene	2,73

12.4. Mobility in soil

no data available

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 substances considered to be very persistent and 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.

12.7. Other adverse effects

no data available

Further information

Do not flush into surface water or sanitary sewer system.

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

The organic ingredients can be incinerated in a suitable installation when in accordance with local regulations.

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

Packaging must be completely emptied (drip-free, free from trickle, spatula-clean). Packaging must preferably be reused or recycled in compliance with the applicable local / national regulations.

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. (Acetone, toluene)
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. (Acetone, toluene)
14.3. Transport hazard class(es):	3
14.4. Packing group:	II
Hazard label:	3



Marine pollutant:	no
Special Provisions:	274
Limited quantity:	1 L
Excepted quantity:	E2
EmS:	F-E, S-E
Segregation group:	ammonium compounds

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. (Acetone, toluene)
14.3. Transport hazard class(es):	3
14.4. Packing group:	II
Hazard label:	3



Special Provisions:	A3
Limited quantity Passenger:	1 L
Passenger LQ:	Y341
Excepted quantity:	E2
IATA-packing instructions - Passenger:	353

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IATA-max. quantity - Passenger:	5 L
IATA-packing instructions - Cargo:	364
IATA-max. quantity - Cargo:	60 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

Relevant information in other sections must be observed.

14.7. Maritime transport in bulk according to IMO instruments

There is no intended bulk transport in tankers.

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, Entry 48, Entry 75

2004/42/EC (VOC):	VOC(EU) 64%
	VOC(CH) 64%

Marketing and use of explosives precursors (Regulation (EU) 2019/1148):

This product is regulated by Regulation (EU) 2019/1148: all suspicious transactions, and significant disappearances and thefts should be reported to the relevant national contact point.

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.
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Water hazard class (D):	3 - highly hazardous to water
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15.2. Chemical safety assessment

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

SECTION 16: Other information**Changes**

This data sheet contains changes from the previous version in section(s): 2,15.

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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 Irrit: Eye irritation
Repr: Reproductive toxicity
STOT SE: Specific target organ toxicity - single exposure
STOT RE: Specific target organ toxicity - repeated exposure

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.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
EUH066	Repeated exposure may cause skin dryness or cracking.



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EUH208

Contains Zirconiumbutanolat. May produce an allergic reaction.

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.)