Safety Data Sheet

according to Regulation (EC) No 1907/2006

EGO BUTYLPRIMER PRO UNIVERSAL SPRAY

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

1.1. Product identifier

EGO BUTYLPRIMER PRO UNIVERSAL SPRAY

UFI: 21KD-N8GG-2N8H-7APR

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

Use of the substance/mixture

Primer

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. Gas 1A; H220
Skin Irrit. 2; H315
Eye Irrit. 2; H319
Skin Sens. 1; H317
STOT SE 3; H336
Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Regulation (EC) No 1272/2008

Hazard components for labelling

Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclic, <5% n-hexane
acetone; propan-2-one; propanone
rosin; colophony

Signal word: Danger

Pictograms:



Hazard statements

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

H336	May cause drowsiness or dizziness.
H412	Harmful 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.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves and eye protection/face protection.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of contents/container to an appropriate recycling or disposal facility.

2.3. Other hazards

In the event of inadequate ventilation and/or as a result of use, explosive or highly flammable mixtures may form.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
115-10-6	dimethyl ether			65 - < 70 %
	204-065-8	603-019-00-8		
	Flam. Gas 1; H220			
	Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclic, <5% n-hexane			10 - < 15 %
	921-024-6			
	Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H315 H336 H304 H411			
67-64-1	acetone; propan-2-one; propanone			10 - < 15 %
	200-662-2	606-001-00-8		
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066			
8050-09-7	rosin; colophony			5 - < 10 %
	232-475-7	650-015-00-7		
	Skin Sens. 1; H317			
1314-13-2	zinc oxide			< 1 %
	215-222-5	030-013-00-7		
	Aquatic Acute 1, Aquatic Chronic 1; H400 H410			
110-54-3	n-hexane			< 1 %
	203-777-6	601-037-00-0		
	Flam. Liq. 2, Repr. 2, Skin Irrit. 2, STOT SE 3, STOT RE 1, Asp. Tox. 1, Aquatic Chronic 2; H225 H361f H315 H336 H372 H304 H411			

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		
	921-024-6	Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclic, <5% n-hexane	10 - < 15 %
	oral: LD50 = >5840 mg/kg		
67-64-1	200-662-2	acetone; propan-2-one; propanone	10 - < 15 %
	inhalation: LC50 = 76 mg/l (vapours); dermal: LD50 = 20000 mg/kg; oral: LD50 = 5800 mg/kg		
1314-13-2	215-222-5	zinc oxide	< 1 %
	oral: LD50 = > 5000 mg/kg		

Further Information

n-hexane is a component of hydrocarbons.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

If in any doubt, or if symptoms are present, seek medical advice.
If medical advice is required, have the packaging or label to hand.

After inhalation

Provide fresh air. If the person is having difficulty breathing or has stopped breathing , start artificial respiration.
If irritated, seek medical attention.

After contact with skin

Remove all contaminated clothing immediately and wash it before wearing it again. If skin becomes irritated, seek medical treatment.

After contact with eyes

In the event of eye contact, rinse the eyes with water for a sufficient length of time whilst keeping the eyelids open, then consult
an ophthalmologist immediately.

After ingestion

Caution if victim vomits: Risk of aspiration! After swallowing, rinse mouth with plenty of water (only if the person is conscious) and seek medical help immediately.

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

Symptoms of poisoning may develop several hours following exposure. Victim should be under medical observation for at least 48 hours after exposure.

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

Symptomatic treatment

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water fog. Carbon dioxide (CO2). Foam. Extinguishing powder.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Extremely flammable aerosol. Container is under pressure: may burst if heated. Vapours can form explosive mixtures with air.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and a chemical protection suit. Full-body protective suit

Additional information

Use a water spray to protect people and to cool containers in the danger zone. Precipitate gases/vapours/mists

using a water spray Collect contaminated fire-fighting water separately Do not discharge into surface water / groundwater / sewer system.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Remove from all sources of ignition. Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eye and clothing. Wear personal protection equipment.

For non-emergency personnel

Ventilate area. Get people to safety Remove from all sources of ignition.

For emergency responders

Wear respiratory protection when in the presence of vapour, dust, and aerosols.

6.2. Environmental precautions

Do not allow uncontrolled leakage of product into the environment. Risk of explosion.

6.3. Methods and material for containment and cleaning up

For cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the assimilated material according to the section on waste disposal.

6.4. Reference to other sections

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Vapours can form explosive mixtures with air. When handling the substance in an open system, equipment with local extraction must be used. Do not breathe gas/fumes/vapour/spray. If suction of the immediate vicinity is impossible or insufficient, adequate airing of the working place must be ensured.

Advice on protection against fire and explosion

Keep away from sources of ignition. No smoking. Take precautionary measures against static discharges. Fumes may form explosive mixtures with air. Do not spray towards flames or hot objects. Protect from direct sunlight. Do not expose to temperatures above 50 °C/122 °F.

Advice on general occupational hygiene

Take off immediately all contaminated clothing Protect skin by using skin protective cream. Wash hands when done working with material; at breaks, lunch, shift changes, etc. Do not eat, drink, smoke or use snuff at work.

Further information on handling

Heating causes rise in pressure with risk of bursting.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Keep under lock and key. Store in a location that is accessible only to authorized persons. Provide for sufficient ventilation and punctiform suction at critical points. Keep in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition. Interdiction de fumer

Hints on joint storage

Do not store together with: Oxidizing agents. Pyrophoric or self-heating hazardous substances.

Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

7.3. Specific end use(s)

Primer. Adhesives. Sealant.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values

CAS No	Name of agent	ppm	mg/m³	fib/cm³	Category	Origin
67-64-1	Acetone	500	1210		TWA (8 h)	
115-10-6	Dimethylether	1000	1920		TWA (8 h)	
110-54-3	n-Hexane	20	72		TWA (8 h)	

DNEL/DMEL values

CAS No	Name of agent			
DNEL type		Exposure route	Effect	Value
	Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclic, <5% n-hexane			
Worker DNEL, long-term		dermal	systemic	773 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	2035 mg/m³
110-54-3	n-hexane			
Worker DNEL, long-term		dermal	systemic	11 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	75 mg/m³

8.2. Exposure controls

Appropriate engineering controls

If suction of the immediate vicinity is impossible or insufficient, adequate airing of the working place must be ensured. Do not breathe gas/fumes/vapour/spray.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear eye protection/face protection. Eye protection: Safety goggles. EN ISO 16321

Hand protection

When handling chemical substances, only chemical-resistant gloves bearing the CE mark and a four-digit test number may be worn.
Butyl rubber EN ISO 374
Thickness of the glove material: 0,7 mm
Breakthrough time: >=480 min
Wear suitable protective gloves. Check for leaks / impermeability before use. It is recommended to clarify the chemical resistance of the above-mentioned protective gloves for special applications with the glove manufacturer.

Skin protection

Chemical work clothes. Flame retardant and antistatic protective clothing

Respiratory protection

In case of insufficient ventilation, wear respiratory protection.
Suitable respiratory protective equipment: A-P2 combination filter respirator. DIN EN 14387

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	yellow, transparent
Odour:	Solvents.
Melting point/freezing point:	not applicable

Boiling point or initial boiling point and boiling range:	<-20 °C
Flammability:	not defined
Lower explosion limits:	2,6 vol. %
Upper explosion limits:	26,2 vol. %
Flash point:	< -20 °C
Auto-ignition temperature:	> 200 °C
Decomposition temperature:	not defined
Water solubility:	insoluble
Solubility in other solvents	
nicht bestimmt	
Dissolution rate:	not defined
Density (at 20 °C):	0,708 g/cm³
Relative vapour density:	not defined
Particle characteristics:	not applicable

9.2. Other information

Information with regard to physical hazard classes

Explosive properties

Container is under pressure: may burst if heated. In use, may form flammable/explosive vapour-air mixture.

Sustained combustibility: No data available

Oxidizing properties

The product is not: flammable.

Other safety characteristics

Evaporation rate:	not defined
Solid content:	not defined

SECTION 10: Stability and reactivity

10.1. Reactivity

Extremely flammable aerosol. Container is under pressure: may burst if heated.

10.2. Chemical stability

The product is stable when stored at normal ambient temperatures.

10.3. Possibility of hazardous reactions

There are no known dangerous reactions.

10.4. Conditions to avoid

Fumes may form explosive mixtures with air.

10.5. Incompatible materials

There is no information.

10.6. Hazardous decomposition products

There are no known hazardous decomposition products.

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.

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation gas) > 20000 ppm

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
	Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclic, <5% n-hexane				
	oral	LD50 >5840 mg/kg	Ratte		
67-64-1	acetone; propan-2-one; propanone				
	oral	LD50 5800 mg/kg	Rat	RTECS	
	dermal	LD50 20000 mg/kg	Rabbit	IUCLID	
	inhalation (4 h) vapour	LC50 76 mg/l	Rat		
1314-13-2	zinc oxide				
	oral	LD50 > 5000 mg/kg	Rat	IUCLID	

Irritation and corrosivity

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/eye irritation: Causes serious eye irritation.

Sensitising effects

May cause an allergic skin reaction. (rosin; colophony)

Carcinogenic/mutagenic/toxic effects for reproduction

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

May cause drowsiness or dizziness.

STOT-repeated exposure

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

Aspiration hazard

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

May be fatal if swallowed and enters airways.

11.2. Information on other hazards

Endocrine disrupting properties

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

This product does not contain any substance that exhibits endocrine-disrupting properties in humans, as no ingredient meets the criteria.

Further information

The mixture is classified as hazardous within the meaning of Regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information

12.1. Toxicity

Harmful to aquatic life with long lasting effects.

CAS No	Chemical name						
	Aquatic toxicity	Dose		[h] | [d]	Species	Source	Method
	Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclic, <5% n-hexane						
	Acute fish toxicity	LC50	15,8 mg/l	96 h	Fish		
	Acute crustacea toxicity	EC50	3 mg/l	48 h	Invertebrates.		
67-64-1	acetone; propan-2-one; propanone						
	Acute fish toxicity	LC50	5540 mg/l	96 h	Onchorhynchus mykiss		
	Acute crustacea toxicity	EC50	6100 mg/l	48 h	Daphnia magna		
110-54-3	n-hexane						
	Acute fish toxicity	LC50	12,51 mg/l	96 h	Fish		
	Acute crustacea toxicity	EC50	21,85 mg/l	48 h	Invertebrates.		

12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
	Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclic, <5% n-hexane			
		83%	16	
	Theoretical oxygen demand (ThOD)			

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
115-10-6	dimethyl ether	0,1
67-64-1	acetone; propan-2-one; propanone	-0,24
110-54-3	n-hexane	3,9

BCF

CAS No	Chemical name	BCF	Species	Source
110-54-3	n-hexane	501.187		

12.4. Mobility in soil

The product has not been tested.

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.

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 further relevant information available.

Further information

Do not empty into drains or the aquatic environment. Do not allow to enter the ground or soil.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Do not empty into drains or the aquatic environment. Do not allow to enter the ground or soil.
Dispose of waste according to applicable local, state, and federal regulations.

List of Wastes Code - residues/unused products

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

Contaminated packaging

Product residues must be disposed of in compliance with the Waste Directive 2008/98 / EC as well as national and regional regulations. Handle contaminated packaging in the same way as the product itself. Dispose of waste according to applicable local, state, and federal regulations.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:	UN 1950
14.2. UN proper shipping name:	AEROSOLS
14.3. Transport hazard class(es):	2
14.4. Packing group:	-
Hazard label:	2.1



Classification code:	5F
Special Provisions:	190 327 344 625
Limited quantity:	1 L
Excepted quantity:	E0
Transport category:	2
Tunnel restriction code:	D

Inland waterways transport (ADN)

14.1. UN number or ID number:	UN 1950
14.2. UN proper shipping name:	AEROSOLS
14.3. Transport hazard class(es):	2
14.4. Packing group:	-
Hazard label:	2.1



Classification code:	5F
Special Provisions:	190 327 344 625
Limited quantity:	1 L
Excepted quantity:	E0

Marine transport (IMDG)

14.1. UN number or ID number:	UN 1950
14.2. UN proper shipping name:	AEROSOLS
14.3. Transport hazard class(es):	2.1
14.4. Packing group:	-
Hazard label:	2.1



Special Provisions:	63 190 277 327 344 381 959
Limited quantity:	1000 mL
Excepted quantity:	E0
EmS:	F-D, S-U

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:	UN 1950
14.2. UN proper shipping name:	AEROSOLS, FLAMMABLE
14.3. Transport hazard class(es):	2.1
14.4. Packing group:	-
Hazard label:	2.1



Special Provisions:	A145 A167 A802	
Limited quantity Passenger:	30 kg G	
Passenger LQ:	Y203	
Excepted quantity:	E0	
IATA-packing instructions - Passenger:		203
IATA-max. quantity - Passenger:		75 kg
IATA-packing instructions - Cargo:		203
IATA-max. quantity - Cargo:		150 kg

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

Warning: Flammable gases.

14.7. Maritime transport in bulk according to IMO instruments

not applicable

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 75

Directive 2010/75/EU on industrial emissions:	94,709 % (670,536 g/l)
Directive 2004/42/EC on VOC in paints and varnishes:	94,709 % (670,536 g/l)
Information according to Directive 2012/18/EU (SEVESO III):	P3a FLAMMABLE AEROSOLS

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.

Additional information

Please pay particular attention to the following points: 850/2004/EC, 1107/2009/EC, 649/2012/EC Aerosol Directive (75/324/EWG).

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
Skin resorption/Sensitization:	Causes allergic hypersensitivity reactions.

15.2. Chemical safety assessment

For this mixture a chemical safety assessment has been carried out.

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15.

Abbreviations and acronyms

Flam. Gas 1: Flammable gases, hazard category 1
Flam. Gas 1A: Flammable gases, hazard category 1A
Flam. Liq. 2: Flammable liquids, hazard category 2
Asp. Tox. 1: Aspiration hazard, hazard category 1
Skin Irrit. 2: Skin irritation, hazard category 2
Eye Irrit. 2: Eye irritation, hazard category 2
Skin Sens. 1: Skin sensitisation, hazard category 1
Repr. 2: Reproductive toxicity, hazard category 2
STOT SE 3: Specific target organ toxicity - single exposure, hazard category 3
STOT RE 1: Specific target organ toxicity - repeated exposure, hazard category 1
Aquatic Acute 1: Hazardous to the aquatic environment, hazard category: Acute 1
Aquatic Chronic 1: Hazardous to the aquatic environment, long-term hazard category: Chronic 1
Aquatic Chronic 2: Hazardous to the aquatic environment, long-term hazard category: Chronic 2
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard category: Chronic 3

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

Classification	Classification procedure
Flam. Gas 1A; H220	On basis of test data
Skin Irrit. 2; H315	Calculation method
Eye Irrit. 2; H319	Calculation method
Skin Sens. 1; H317	Calculation method
STOT SE 3; H336	Calculation method
Aquatic Chronic 3; H412	Calculation method

Relevant H and EUH statements (number and full text)

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H361f	Suspected of damaging fertility.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

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