

Safety Data Sheet

according to Regulation (EC) No 1907/2006

EGOPOLYESTER TRANSPARENT FLÜSSIG

Revision date: 04.05.2023

Product code: 573290300

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

EGOPOLYESTER TRANSPARENT FLÜSSIG

Product group: Polyester

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

Filler

Uses advised against

This information is not available.

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. 3; H226
Skin Irrit. 2; H315
Eye Irrit. 2; H319
Skin Sens. 1; H317
Repr. 2; H361d
STOT SE 3; H335
STOT RE 1; H372
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**

styrene

Reaction mass of 2,2'-[4-methylphenyl]imino] bisethanol and 2-[[2-(2-hydroxyethoxy)ethyl]

(4-methylphenyl)amino] ethanol

maleic anhydride

Signal word: Danger

Pictograms:

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Hazard statements

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H317	May cause an allergic skin reaction.
H361d	Suspected of damaging the unborn child.
H335	May cause respiratory irritation.
H372	Causes damage to organs (hearing organs) through prolonged or repeated exposure.
H412	Harmful 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.
P260	Do not breathe mist/vapours/spray.
P280	Wear protective gloves / protective clothing / eye protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
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.
P501	Dispose of contents/container in accordance with local regulation.

Additional advice on labelling

The classification corresponds to the current EC listing, but is enhanced by specialised literature data and the Company's own information.

The classification was undertaken in accordance with the method of calculation governed by the preparation regulations (1999/45/EC).

2.3. Other hazards

Contains no PBT or vPvB substances.

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

Mixture of substances listed below with nonhazardous additions.

Hazardous components

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
100-42-5	styrene			25 - 50 %
	202-851-5	601-026-00-0	01-2119457861-32	
	Flam. Liq. 3, Repr. 2, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, STOT RE 1, Asp. Tox. 1; H226 H361d H332 H315 H319 H335 H372 H304			
	Reaction mass of 2,2'-[4-methylphenyl]imino] bisethanol and 2-[[2-(2-hydroxyethoxy)ethyl] (4-methylphenyl)amino] ethanol			< 2,5 %
	911-490-9		01-2119979579-10	
	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1, Aquatic Chronic 3; H302 H315 H318 H317 H412			
108-31-6	maleic anhydride			< 0,1 %
	203-571-6	607-096-00-9		
	Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Resp. Sens. 1, Skin Sens. 1A, STOT RE 1; H302 H314 H318 H334 H317 H372 EUH071			

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	
100-42-5	202-851-5	styrene	25 - 50 %
		inhalation: LC50 = 12 mg/l (vapours); inhalation: LC50 = >2,45 mg/l (dusts or mists); dermal: LD50 = >2000 mg/kg; oral: LD50 = 5000 mg/kg	
	911-490-9	Reaction mass of 2,2'-(4-methylphenyl)imino] bisethanol and 2-[[2-(2-hydroxyethoxy)ethyl] (4-methylphenyl)amino] ethanol	< 2,5 %
		oral: ATE = 500 mg/kg	
108-31-6	203-571-6	maleic anhydride	< 0,1 %
		dermal: LD50 = 2620 mg/kg; oral: LD50 = 400 mg/kg Skin Sens. 1A; H317: >= 0,001 - 100	

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing.

After inhalation

Move out of dangerous area. Move to fresh air in case of accidental inhalation of vapours or decomposition products. If symptoms persist, call a physician. If unconscious place in recovery position and seek medical advice.

After contact with skin

If on skin, rinse well with water.

After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

After ingestion

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

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

This information is not available.

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

Dry powder, Water spray jet, Carbon dioxide (CO₂). Fight larger fire with water spray or alcohol resistant foam.

Unsuitable extinguishing media

High volume water jet

5.2. Special hazards arising from the substance or mixture

Heating can release hazardous gases.

5.3. Advice for firefighters

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

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

Ensure adequate ventilation.

Use personal protective equipment. Keep away from unprotected people. Keep upwind.

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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.

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).

Do not allow material to contaminate ground water system. Do not flush with water.

Dispose of as special waste in compliance with local and national regulations.

Other information

Provide adequate ventilation.

6.4. Reference to other sections

see chapter: 7, 8, 13.

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

Use only in well-ventilated areas. Avoid the formation of aerosol.

Advice on protection against fire and explosion

Keep away from heat and sources of ignition. Do not smoke. Take measures to prevent the build up of electrostatic charge.

Advice on general occupational hygiene

Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Keep away from food, drink and animal feedingstuffs. Wash hands before breaks and at the end of workday. Do not breath vapour.

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

No special precautions required.

Hints on joint storage

Not required. Keep away from food, drink and animal feeding stuffs.

Further information on storage conditions

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

7.3. Specific end use(s)

Filler

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Additional advice on limit values**

To date, no national critical limit values exist.

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

As the product is a mixture of several substances, the durability of the glove materials cannot be calculated in advance and has to be tested before use.

Protective gloves complying with EN 374.

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

Protective suit

Respiratory protection

For short-term or low-load respiratory filter device (filter A); in case of intensive or prolonged exposure use self-contained breathing apparatus Respirator with filter for organic vapour

Thermal hazards

Do not heat the product.

Under fire conditions: Flame-resistant clothing

Low temperature resistant gloves: not required

Environmental exposure controls

Do not empty into drains or the aquatic environment.

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

Physical state:	liquid
Colour:	transparent
Odour:	characteristic
Odour threshold:	not determined

		Test method
Melting point/freezing point:	not determined	
Boiling point or initial boiling point and boiling range:	145 °C	
Flammability:	not applicable	
Lower explosion limits:	1,2 vol. %	
Upper explosion limits:	8,9 vol. %	
Flash point:	30 °C	DIN 53213
Auto-ignition temperature:	480 °C	DIN 51794
pH-Value:	not determined	
Water solubility:	not or only slightly miscible	
Partition coefficient n-octanol/water:	not determined	
Vapour pressure:	6 hPa	
(at 20 °C)		
Density (at 20 °C):	1,105 g/cm ³	DIN 53217
Relative vapour density:	not determined	
Particle characteristics:	not applicable	

9.2. Other information**Information with regard to physical hazard classes****Explosive properties**

Not explosive. Vapours may form explosive mixtures with air.

Self-ignition temperature

Solid:

not auto-flammable

Other safety characteristics**Evaporation rate:**

not determined

Solvent content:

organic solvent 0,01 %

Solid content:

64,6 Weight percent

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Viscosity / dynamic:

not determined

Flow time:
(at 20 °C)

150 s DIN 53211

Further Information

not auto-flammable

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

This information is not available.

10.2. Chemical stability

No decomposition if used as directed.

10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid

This information is not available.

10.5. Incompatible materials

This information is not available.

10.6. Hazardous decomposition products

Carbon monoxide

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
100-42-5	styrene				
	oral	LD50 mg/kg	5000	Rat	
	dermal	LD50 mg/kg	>2000	Rat	
	inhalation (4 h) vapour	LC50	12 mg/l	Rat	GESTIS
	inhalation (4 h) dust/mist	LC50 mg/l	>2,45		
	Reaction mass of 2,2'-[4-methylphenyl]imino] bisethanol and 2-[[2-(2-hydroxyethoxy)ethyl] (4-methylphenyl)amino] ethanol				
	oral	ATE mg/kg	500		
108-31-6	maleic anhydride				
	oral	LD50 mg/kg	400	Rat	GESTIS
	dermal	LD50 mg/kg	2620	Rabbit	GESTIS

Irritation and corrosivity

Causes skin irritation. Causes serious eye irritation.

Sensitising effects

May cause allergic skin reactions.

Carcinogenic/mutagenic/toxic effects for reproduction

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Possible risk of harm to the unborn child.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

STOT-single exposure

May irritate the respiratory system.

STOT-repeated exposure

Causes damage to the hearing organs through prolonged or repeated exposure.

Aspiration hazard

May irritate the respiratory system.

Information on likely routes of exposure

Skin contact, Inhalation

Specific effects in experiment on an animal

This information is not available.

Additional information on tests

Irritating to eyes, respiratory system and skin.

Practical experience

This information is not available.

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

Do not flush into surface water or sanitary sewer system. water endangering.

Leakage of already small quantities into the soil hazardous to drinking water

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
108-31-6	maleic anhydride					
	Acute algae toxicity	ErC50	29 mg/l	72 h	Desmodesmus subspicatus	IUCLID

12.2. Persistence and degradability

This information is not available.

12.3. Bioaccumulative potential

This information is not available.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
100-42-5	styrene	3,05

12.4. Mobility in soil

This information is not 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.

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

This information is not available.

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

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Disposal recommendations

Do not dispose of with domestic refuse.

List of Wastes Code - residues/unused products

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other hazardous substances; hazardous waste

Contaminated packaging

Dispose of as special waste in compliance with local and national regulations.

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

14.1. UN number or ID number: UN 1866
14.2. UN proper shipping name: Resin solution
14.3. Transport hazard class(es): 3
14.4. Packing group: III
Hazard label: 3



Classification code: F1
Limited quantity: 5 L
Transport category: 3
Hazard No: 30
Tunnel restriction code: D/E

Other applicable information (land transport)

E1

Marine transport (IMDG)

14.1. UN number or ID number: UN 1866
14.2. UN proper shipping name: Resin solution
14.3. Transport hazard class(es): 3
14.4. Packing group: III
Hazard label: 3



Marine pollutant: no
Special Provisions: 223, 955
Limited quantity: 5 L
EmS: F-E, S-E

Other applicable information (marine transport)

E1

Note: =< 30 l: --

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: UN 1866
14.2. UN proper shipping name: Resin solutions
14.3. Transport hazard class(es): 3
14.4. Packing group: III
Hazard label: 3

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Special Provisions:	A3	
Limited quantity Passenger:	10 L	
IATA-packing instructions - Passenger:		355
IATA-max. quantity - Passenger:		60 L
IATA-packing instructions - Cargo:		366
IATA-max. quantity - Cargo:		220 L

Other applicable information (air transport)E1
Y344**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

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

2004/42/EC (VOC): VOC (EU) 0,01 %
VOC (CH) 0,01 %**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**Changes**

This data sheet contains changes from the previous version in section(s): 6,7,8,9,11,12,16.

This data sheet contains changes from the previous version in section(s): 2; 6.1; 7.2; 8.2; 11; 12; 15.2

Abbreviations and acronymsCLP: 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%

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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

Relevant H and EUH statements (number and full text)

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H361d	Suspected of damaging the unborn child.
H372	Causes damage to organs (hearing organs) through prolonged or repeated exposure.
H372	Causes damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.

Further Information

This recommendation is only valid for the product mentioned in the safety data sheet and provided by us and for the application specified by us. Moreover, national legislation has to be obeyed!
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.)