SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

EASY PRINT Sn96,5/Ag3/Cu0,5

Creation date	29th September 2022		
Revision date	08th February 2024	Version	7.0

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

1.1. Product identifier — EASY PRINT Sn96,5/Ag3/Cu0,5

Substance / mixture: mixture

UFI: QA20-M0KY-700E-PV01

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

Mixture's intended use

Soldering paste

Main intended use

PC-TEC-24 — Welding, soldering, and flux products

Mixture uses advised against

The product should not be used in ways other then those referred in Section 1.

1.3. Details of the supplier of the safety data sheet

Manufacturer

Name or trade name	AG TermoPasty Grzegorz Gąsowski
Address	Kolejowa 33 E, Sokoły, 18-218 Poland
Identification number (CRN)	200133730
VAT Reg No	PL9661767714
Phone	862741342
E-mail	biuro@termopasty.pl
Web address	www.termopasty.pl

Competent person responsible for the safety data sheet

Name	AG TermoPasty Grzegorz Gąsowski
E-mail	biuro@termopasty.pl

1.4. Emergency telephone number

European emergency number: 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification of the mixture in accordance with Regulation (EC) No 1272/2008

The mixture is classified as dangerous.

Skin Sens. 1, H317
Repr. 1B, H360Df

Most serious adverse effects on human health and the environment

May cause an allergic skin reaction. May damage the unborn child. Suspected of damaging fertility.

2.2. Label elements

Hazard pictogram

Signal word

Danger

Hazardous substances

COLOPHONIUM
1,2-bis(2-methoxyethoxy) ethane

Hazard statements

H317	May cause an allergic skin reaction.
H360Df	May damage the unborn child. Suspected of damaging fertility.

Precautionary statements

P201	Obtain special instructions before use.
P261	Avoid breathing dust.
P280	Wear protective gloves.

P308+P313	IF exposed or concerned: Get medical advice/attention.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P501	Dispose of container to according to applicable regulations.

2.3. Other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended. Dust may form explosive mixture with air.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
Index: 650-015-00-7 CAS: 8050-09-7 EC: 232-475-7 Registration number: 01-2119480418-32-XXXX	COLOPHONIUM	≤10	Skin Sens. 1, H317	1
Index: 603-096-00-8 CAS: 112-34-5 EC: 203-961-6 Registration number: 01-2119475104-44-XXXX	2-(2-butoxyethoxy)ethanol	<3	Eye Irrit. 2, H319	1, 3
Index: 603-176-00-2 CAS: 112-49-2 EC: 203-977-3 Registration number: 01-2119486479-18	1,2-bis(2-methoxyethoxy) ethane	≤1	Eye Irrit. 2, H319 Repr. 1B, H360Df EUH019	2, 3
CAS: 7440-31-5 EC: 231-141-8 Registration number: 01-2119486474-28-0033	tin		not classified as dangerous	
CAS: 7440-22-4 EC: 231-131-3 Registration number: 01-2119555669-21-0025	silver			1
CAS: 7440-50-8 EC: 231-159-6 Registration number: 01-2119480154-42-0002	copper		Aquatic Acute 1, H400 (M=1) Aquatic Chronic 3, H412	1

Notes

1 A substance for which exposure limits are set.
2 Substance of very high concern - SVHC.
3 The use of the substance is restricted by Annex XVII of REACH Regulation

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet. If unconscious, put the person in the stabilized (recovery) position on his side with his head slightly bent backwards and make sure that airways are free; never induce vomiting. If the person vomits by himself, make sure that the vomit is not inhaled. In life threatening conditions first of all provide resuscitation of the affected person and ensure medical assistance. Respiratory arrest - provide artificial respiration immediately. Cardiac arrest - provide indirect cardiac massage immediately.

If inhaled

Terminate the exposure immediately; move the affected person to fresh air. Protect the person against growing cold. Provide medical treatment if irritation, dyspnoea or other symptoms persist.

If on skin

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible. Soap, soap solution or shampoo should be used if there is no skin injury. Provide medical treatment if skin irritation persists.

If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes.

If swallowed

Provide medical treatment. For persons with no symptoms, call the Toxicological Information Centre to decide about the need of medical treatment; provide information about the substances or composition of the product from the original packaging or the Safety Data Sheet of the product.

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

If inhaled

Not expected.

If on skin

May cause an allergic skin reaction.

If in eyes

Not expected.

If swallowed

Irritation, nausea.

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

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

Unsuitable extinguishing media

Water - full jet.

5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

5.3. Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Prevent contact with skin and eyes.

6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water.

6.3. Methods and material for containment and cleaning up

Place the product mechanically in an appropriate manner. Dispose of the collected material according to the instructions in the section 13.

AG TermoPasty Grzegorz Gąsowski ul. Kolejowa 33 E, 18-218 Sokoły,
tel. +48 86 274 13 42, info@termopasty.pl, www.termopasty.com

6.4. Reference to other sections

See the Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Prevent formation of gases and vapours in concentrations exceeding the occupational exposure limits. Prevent contact with skin and eyes. Contaminated work clothing should not be allowed out of the workplace. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose. Store locked up.

Content	Packaging type	Material of package
1,4 ml	syringe	PP
20 g	syringe	PP
40 g	syringe	PP
250 g	box	PP
500 g	box	PP

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains substances for which occupational exposure limits are set.

European Union — **Commission Directive 2000/39/EC**

Substance name (component)	Type	Value	Note
silver (CAS: 7440-22-4)	OEL 8 hours	0,1 mg/m³	

European Union — **Commission Directive 2006/15/EC**

Substance name (component)	Type	Value	Note
2-(2-butoxyethoxy)ethanol (CAS: 112-34-5)	OEL 8 hours	67,5 mg/m³	
	OEL 8 hours	10 ppm	
	OEL 15 minutes	101,2 mg/m³	
	OEL 15 minutes	15 ppm	

United Kingdom — **EH40/2005 Workplace exposure limits (Fourth Edition 2020)**

Substance name (component)	Type	Value	Note
COLOPHONIUM (CAS: 8050-09-7)	WEL 8h	0,05 mg/m³	Capable of causing occupational asthma.
	WEL 15min	0,15 mg/m³	
2-(2-butoxyethoxy)ethanol (CAS: 112-34-5)	WEL 8h	67,5 mg/m³	
	WEL 8h	10 ppm	
	WEL 15min	101,2 mg/m³	
	WEL 15min	15 ppm	
Silver, metallic (CAS: 7440-22-4)	WEL 8h	0,1 mg/m³	As Ag
copper fume (CAS: 7440-50-8)	WEL 8h	0,2 mg/m³	As Cu
Copper and compounds: dust and mists (CAS: 7440-50-8)	WEL 8h	1 mg/m³	As Cu

United Kingdom **EH40/2005 Workplace exposure limits (Fourth Edition 2020)**

Substance name (component)	Type	Value	Note
Copper and compounds: dust and mists (CAS: 7440-50-8)	WEL 15min	2 mg/m³	As Cu

DNEL

1,2-bis(2-methoxyethoxy) ethane					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Dermal	6.25 mg/kg bw/day	Chronic effects systemic		
Workers	Inhalation	80.4 mg/m³	Chronic effects systemic		

2-(2-butoxyethoxy)ethanol					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	101.2 mg/m³	Acute effects local		
Workers	Inhalation	67.5 mg/m³	Chronic effects local		

COLOPHONIUM					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Dermal	25 mg/kg bw/day	Chronic effects systemic		
Workers	Inhalation	176.32 mg/m³	Chronic effects systemic		
Consumers	Oral	15 mg/kg bw/day	Chronic effects systemic		
Consumers	Dermal	15 mg/kg bw/day	Chronic effects systemic		
Consumers	Inhalation	52.174 mg/m³	Chronic effects systemic		

silver					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	0.1 mg/m³	Chronic effects systemic		
Consumers	Inhalation	0.04 mg/m³	Chronic effects systemic		
Consumers	Oral	1.2 mg/kg bw/day	Chronic effects systemic		

tin					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Dermal	133.3 mg/kg bw/day	Acute effects systemic		
Workers	Dermal	133.3 mg/kg bw/day	Chronic effects systemic		
Workers	Inhalation	11.75 mg/m³	Acute effects systemic		
Workers	Inhalation	11.75 mg/m³	Chronic effects systemic		
Consumers	Oral	80 mg/kg bw/day	Acute effects systemic		
Consumers	Oral	80 mg/kg bw/day	Chronic effects systemic		
Consumers	Dermal	80 mg/kg bw/day	Acute effects systemic		
Consumers	Dermal	80 mg/kg bw/day	Chronic effects systemic		
Consumers	Inhalation	3.476 mg/m³	Acute effects systemic		
Consumers	Inhalation	3.476 mg/m³	Chronic effects systemic		

PNEC

1,2-bis(2-methoxyethoxy) ethane			
Route of exposure	Value	Value determination	Source
Drinking water	6.4 mg/l		
Freshwater sediment	26.6 mg/kg of dry substance of sediment		
Marine water	0.64 mg/l		
Sea sediments	2.66 mg/kg of dry substance of sediment		
Water (intermittent release)	50 mg/l		
Microorganisms in sewage treatment	50 mg/l		
Soil (agricultural)	1.57 mg/kg		

2-(2-butoxyethoxy)ethanol			
Route of exposure	Value	Value determination	Source
Drinking water	1.1 mg/l		
Freshwater sediment	4.4 mg/kg		
Sea sediments	0.44 mg/kg		
Soil (agricultural)	0.32 mg/kg		
Marine water	0.11 mg/l		

COLOPHONIUM			
Route of exposure	Value	Value determination	Source
Drinking water	0.005 mg/l		

COLOPHONIUM			
Route of exposure	Value	Value determination	Source
Marine water	0.0005 mg/l		
Freshwater sediment	108 mg/kg of dry substance		
Sea sediments	10.8 mg/kg of dry substance		
Soil (agricultural)	21.4 mg/kg of dry substance		
Microorganisms in sewage treatment	1000 mg/l		

silver			
Route of exposure	Value	Value determination	Source
Soil (agricultural)	0.794 mg/kg		
Drinking water	0.04 µg/l		
Marine water	0.86 µg/l		
Freshwater sediment	438.13 mg/kg		
Sea sediments	438.13 mg/kg		
Microorganisms in sewage treatment	25 µg/l		

8.2. Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye/face protection

It is not needed.

Skin protection

Hand protection: Protective gloves resistant to the product. Contaminated skin should be washed thoroughly.

Respiratory protection

It is not needed.

Thermal hazard

Data not available.

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	solid
Colour	grey
Odour	characteristic
Melting point/freezing point	179 °C
Boiling point or initial boiling point and boiling range	260 °C
Flammability	data not available
Lower and upper explosion limit	data not available
Flash point	141 °C
Auto-ignition temperature	data not available
Decomposition temperature	data not available
pH	non-soluble (in water)
Kinematic viscosity	data not available
Solubility in water	insoluble
Partition coefficient n-octanol/water (log value)	data not available

AG TermoPasty Grzegorz Gąsowski ul. Kolejowa 33 E, 18-218 Sokoły,
tel. +48 86 274 13 42, info@termopasty.pl, www.termopasty.com

Vapour pressure	0.05 at 20 °C
Density and/or relative density	
Density	1.2 g/cm³
Relative vapour density	data not available
Particle characteristics	data not available
Form	paste

9.2. Other information

not available

SECTION 10: Stability and reactivity

10.1. Reactivity

not available

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Unknown.

10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Inhalation of solvent vapors above values exceeding exposure limits for working environment may result in acute inhalation poisoning, depending on the level of concentration and exposure time. No toxicological data is available for the mixture.

Acute toxicity

Based on available data the classification criteria are not met.

1,2-bis(2-methoxyethoxy) ethane						
Route of exposure	Parameter	Value	Exposure time	Species	Sex	Source
Oral	LD_{50}	5390 mg/kg		Rat		
Skin	LD_{50}	>6900 mg/kg		Rat		

2-(2-butoxyethoxy)ethanol						
Route of exposure	Parameter	Value	Exposure time	Species	Sex	Source
Oral	LD_{50}	1.410 mg/kg		Mouse		ECHA
Dermal	LD_{50}	2.764 mg/kg		Rabbit		ECHA

COLOPHONIUM						
Route of exposure	Parameter	Value	Exposure time	Species	Sex	Source
Oral	LD_{50}	2800 mg/kg		Rat		
Oral	LD_{50}	>1000		Guinea-pig		
Dermal	LD_{50}	>2000 mg/kg		Rat		

AG TermoPasty Grzegorz Gąsowski ul. Kolejowa 33 E, 18-218 Sokoły,
tel. +48 86 274 13 42, info@termopasty.pl, www.termopasty.com

silver						
Route of exposure	Parameter	Value	Exposure time	Species	Sex	Source
Oral	LD_{50}	2000≤5000 mg/kg		Rat		
Dermal	LD_{50}	2000≤5000 mg/kg		Rat		
Inhalation	LC_{50}	5.16 mg/l	4 hours	Rat		

tin						
Route of exposure	Parameter	Value	Exposure time	Species	Sex	Source
Oral	LD_{50}	2000-≤5000 mg/kg		Rat		
Dermal	LD_{50}	2000-≤5000 mg/kg		Rat		
Inhalation	LC_{50}	>4.75 mg/l	4 hours	Rat (Rattus norvegicus)		

Skin corrosion/irritation
Based on available data the classification criteria are not met.

Serious eye damage/irritation
Based on available data the classification criteria are not met.

Respiratory or skin sensitisation
May cause an allergic skin reaction.

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
May damage the unborn child. Suspected of damaging fertility.

Toxicity for specific target organ - single exposure
Based on available data the classification criteria are not met.

Toxicity for specific target organ - repeated exposure
Based on available data the classification criteria are not met.

Aspiration hazard
Based on available data the classification criteria are not met.

11.2. Information on other hazards
The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 12: Ecological information

12.1. Toxicity
not available

Acute toxicity

1,2-bis(2-methoxyethoxy) ethane						
Parameter	Method	Value	Exposure time	Species	Environment	Source
LC_{50}	OECD 203	>5000 mg/l	96 hours	Fish (Zebra fish)	Fresh water	
EC_{50}	OECD 202	>5000 mg/l	48 hours	Daphnia		
EC_{50}	OECD 201	>6000 mg/l	72 hours	Algae		

2-(2-butoxyethoxy)ethanol						
Parameter	Method	Value	Exposure time	Species	Environment	Source
EC_{50}		>100 mg/l	48 hours	Aquatic invertebrates		
LC_{50}		1.300 mg/l	96 hours	Fish		
ErC_{50}		>100 mg/l	96 hours	Algae		

COLOPHONIUM						
Parameter	Method	Value	Exposure time	Species	Environment	Source
LL_{100}	OECD 203	≤10 mg/l	24 hours	Fish (Branchydanio rerio)		anon,
NOELR	OECD 203	≤1 mg/l	96 hours	Fish (Branchydanio rerio)		anon.
LD_{50}	OECD 203	60.3 mg/l	96 hours	Fish (Branchydanio rerio)		Schreerbaum D
NOELR	OECD 203	≥1000 mg/l	96 hours	Fish (Pimephales promelas)		Kelly, C.R., Clayton, M.A.
LL_{50}	OECD 203	>1000 mg/l	96 hours	Fish (Pimephales promelas)		Kelly, C.R., Clayton, M.A.
EL_{50}	OECD 202	911 mg/l	48 hours	Daphnia (Daphnia magna)		Kelly, C.R., Clayton, M.A.
NOELR	OECD 202	75 mg/l	48 hours	Daphnia (Daphnia magna)		Kelly, C.R., Clayton, M.A.
NOELR	OECD 202	10	48 hours	Daphnia (Daphnia magna)		anon.
EL_{100}	OECD 202	≤100 mg/l	48 hours	Daphnia (Daphnia magna)		anon.
NOELR	OECD 201	≥1000 mg/l	72 hours	Algae (Pseudokirchneriella subcapitata)		Kelly, C.R., Clayton, M.A.
EL_{50}	OECD 201	.1000 mg/l	72 hours	Algae (Pseudokirchneriella subcapitata)		Kelly, C.R., Clayton, M.A.

copper						
Parameter	Method	Value	Exposure time	Species	Environment	Source
EC_x		0.1≤1 mg/l		Fish		

AG TermoPasty Grzegorz Gąsowski ul. Kolejowa 33 E, 18-218 Sokoły,
tel. +48 86 274 13 42, info@termopasty.pl, www.termopasty.com

copper						
Parameter	Method	Value	Exposure time	Species	Environment	Source
NOEC		0.1≤1 mg/l		Fish		
EC_x		0.1≤1 mg/l		Crustaceans		
NOEC		0.1≤1 mg/l		Crustaceans		
EC_x		0.1≤1 mg/l		Algae and other aquatic plants		
NOEC		0.1≤1 mg/l		Algae and other aquatic plants		

silver						
Parameter	Method	Value	Exposure time	Species	Environment	Source
NOEC		0.13 mg/l	28 days	Fish (Menidia beryllina)		
NOEC		0.001 mg/l	7 days	Crustaceans		
NOEC		0.0012 mg/l	14 days	Algae (Selenastrum capricornutum)		

tin						
Parameter	Method	Value	Exposure time	Species	Environment	Source
EC_{50}		1.303 mg/l		Invertebrates (Ceriodaphnia dubia)		

12.2. Persistence and degradability

not available

Biodegradability

COLOPHONIUM				
Parameter	Value	Exposure time	Environment	Result
				Easily biodegradable

12.3. Bioaccumulative potential

Data not available.

1,2-bis(2-methoxyethoxy) ethane					
Parameter	Value	Exposure time	Species	Environment	Temperature [°C]
Log Pow	-0.48				

COLOPHONIUM					
Parameter	Value	Exposure time	Species	Environment	Temperature [°C]
BCF	56.23 ml/kg				

silver					
Parameter	Value	Exposure time	Species	Environment	Temperature [°C]
BCF	70				

12.4. Mobility in soil

Data not available.

AG TermoPasty Grzegorz Gąsowski ul. Kolejowa 33 E, 18-218 Sokoły,
tel. +48 86 274 13 42, info@termopasty.pl, www.termopasty.com

12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

12.6. Endocrine disrupting properties

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

12.7. Other adverse effects

Data not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

SECTION 14: Transport information

14.1. UN number or ID number

not subject to transport regulations

14.2. UN proper shipping name

not relevant

14.3. Transport hazard class(es)

not relevant

14.4. Packing group

not relevant

14.5. Environmental hazards

not relevant

14.6. Special precautions for user

Reference in the Sections 4 to 8.

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

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

AG TermoPasty Grzegorz Gąsowski ul. Kolejowa 33 E, 18-218 Sokoły,
tel. +48 86 274 13 42, info@termopasty.pl, www.termopasty.com

Restrictions pursuant to Annex XVII of Regulation (EC) No. 1907/2006 (REACH), as amended

1,2-bis(2-methoxyethoxy) ethane

Restriction	Conditions of restriction
30	Without prejudice to the other parts of this Annex the following shall apply to entries 28 to 30: 1. Shall not be placed on the market, or used, — as substances, — as constituents of other substances, or, — in mixtures, for supply to the general public when the individual concentration in the substance or mixture is equal to or greater than: — either the relevant specific concentration limit specified in Part 3 of Annex VI to Regulation (EC) No 1272/2008, or, — the relevant generic concentration limit specified in Part 3 of Annex I of Regulation (EC) No 1272/2008. Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that the packaging of such substances and mixtures is marked visibly, legibly and indelibly as follows: "Restricted to professional users". 2. By way of derogation, paragraph 1 shall not apply to: (a) medicinal or veterinary products as defined by Directive 2001/82/EC and Directive 2001/83/EC; (b) cosmetic products as defined by Directive 76/768/EEC; (c) the following fuels and oil products: — motor fuels which are covered by Directive 98/70/EC, — mineral oil products intended for use as fuel in mobile or fixed combustion plants, — fuels sold in closed systems (e.g. liquid gas bottles); (d) artists' paints covered by Regulation (EC) No 1272/2008; (e) the substances listed in Appendix 11, column 1, for the applications or uses listed in Appendix 11, column 2. Where a date is specified in column 2 of Appendix 11, the derogation shall apply until the said date. (f) devices covered by Regulation (EU) 2017/745.

2-(2-butoxyethoxy)ethanol

Restriction	Conditions of restriction
55	1. Shall not be placed on the market for the first time after 27 June 2010, for supply to the general public, as a constituent of spray paints or spray cleaners in aerosol dispensers in concentrations equal to or greater than 3 % by weight. 2. Spray paints and spray cleaners in aerosol dispensers containing DEGBE and not conforming to paragraph 1 shall not be placed on the market for supply to the general public after 27 December 2010. 3. Without prejudice to other Community legislation concerning the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that paints other than spray paints containing DEGBE in concentrations equal to or greater than 3 % by weight of that are placed on the market for supply to the general public are visibly, legibly and indelibly marked by 27 December 2010 as follows: "Do not use in paint spraying equipment".

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out (mixture).

SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet

H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H360Df	May damage the unborn child. Suspected of damaging fertility.
H400	Very toxic to aquatic life.

AG TermoPasty Grzegorz Gąsowski ul. Kolejowa 33 E, 18-218 Sokoły,
tel. +48 86 274 13 42, info@termopasty.pl, www.termopasty.com

H412	Harmful to aquatic life with long lasting effects.

Guidelines for safe handling used in the safety data sheet

P201	Obtain special instructions before use.
P261	Avoid breathing dust.
P280	Wear protective gloves.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P501	Dispose of container to according to applicable regulations.

A list of additional standard phrases used in the safety data sheet

EUH019	May form explosive peroxides.

Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

ADR	European agreement concerning the international carriage of dangerous goods by road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
EC	Identification code for each substance listed in EINECS
EC_{50}	Concentration of a substance when it is affected 50% of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EL_{100}	Effective Loading for 100% of the tested organisms
EL_{50}	Effective Loading for 50% of the tested organisms
EmS	Emergency plan
EU	European Union
EuPCS	European Product Categorisation System
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC_{50}	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD_{50}	Lethal dose of a substance in which it can be expected death of 50% of the population
LL_{100}	Lethal Loading for 100% of tested organisms
LL_{50}	Lethal Loading for 50% of tested organisms
log Kow	Octanol-water partition coefficient
NOEC	No observed effect concentration
NOEL	No observed effect level
NOELR	No Observed Effect Loading Rate
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations

AG TermoPasty Grzegorz Gąsowski ul. Kolejowa 33 E, 18-218 Sokoły,
tel. +48 86 274 13 42, info@termopasty.pl, www.termopasty.com

UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bioaccumulative
Aquatic Acute	Hazardous to the aquatic environment
Aquatic Chronic	Hazardous to the aquatic environment (chronic)
Eye Irrit.	Eye irritation
Repr.	Reproductive toxicity
Skin Sens.	Skin sensitization

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

The changes (which information has been added, deleted or modified)

The version 7.0 replaces the SDS version from 24 July 2023. Changes were made in sections 2 and 16.

More information

Classification procedure - calculation method.

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.

AG TermoPasty Grzegorz Gąsowski ul. Kolejowa 33 E, 18-218 Sokoły,
tel. +48 86 274 13 42, info@termopasty.pl, www.termopasty.com