

Polyglas D4218/M

Safety Data Sheet

According to Regulation (EC) No. 2020/878

Version : 5
 Revision date : 17/10/2025
 Replaces SDS of : 01/02/2024

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

1.1 - Product identifier

Trade name/designation Polyglas D4218/M
 Product-type Mixture
 UFI: EACU-79XK-1H9D-72F3

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

Relevant identified uses - Glass protection products
Uses advised against - Other uses are not covered by the supplier

1.3 - Details of the supplier of the safety data sheet

BOHEMI CHEMICALS SRL
 Via G. DELEDDA 39
 20080 ZIBIDO S.G. IT
 Telephone : +39 (0)2 90005047
 Website www.bohemichemicals.com
 Email: bohemi@bohemichemicals.com

1.4 - Emergency telephone number

- National Poisons Information Service
 Phone +44 121 507 4123 United Kingdom
 - National Poisons Information Service of England: <http://npis.org> -
 NHS 111: dial 111 United Kingdom

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Eye Irrit. 2	Eye irritation - Category 2
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2.2 - Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Contains: Isotridecanol, ethoxylated (CAS No.: 69011-36-5)

Signal word : Warning

Hazard pictograms



Hazard statements

H319	Causes serious eye irritation.
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Precautionary statements

P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection.

Polyglas D4218/M

Safety Data Sheet

According to Regulation (EC) No. 2020/878

Version : 5
Revision date : 17/10/2025
Replaces SDS of : 01/02/2024

P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
EUH-phrases	
EUH208	Contains 1,2-benzisothiazol-3(2H)-one1,2-benzisothiazolin-3-one (2634-33-5) reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (55965-84-9) . May produce an allergic reaction.

2.3 - Other hazards

PBT-substance.

- This mixture does not contain any substance with endocrine disrupting properties $\geq 0.1\%$, in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605
- The substances in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.

Other hazards which do not result in classification

- This mixture does not contain any substance in nanoform $\geq 0.1\%$.

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

Chemical name	No	%	Class(es)	Specific concentration limit
Isotridecanol, ethoxylated INCI: Trideceth-9	CAS No. : 69011-36-5 Index No. : EC No. : 931-138-8	< 10	Acute Tox. 4 Oral - H302 Eye Dam. 1 - H318	Eye Dam. 1 - H318 : 10<=<100 Eye Irrit. 2 - H319 : 1<=<10
1,2-benzisothiazol-3(2H)-one1 ,2-benzisothiazolin-3-one	CAS No. : 2634-33-5 Index No. : 613-088-00-6 EC No. : 220-120-9	< 0,036	Acute Tox. 2 Inhalation - H330 Acute Tox. 4 Oral - H302 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 Eye Dam. 1 - H318 Skin Irrit. 2 - H315 Skin Sens. 1A - H317	Skin Sens. 1A - H317 : 0,036<=<100 M-factor: 1 / 1 ATE oral 450 ATE Inhalation Dust/Mist 0,21
reaction mass of 5-chloro-2-methyl-4-isothiazoli n-3-one and 2-methyl-2H -isothiazol-3-one	CAS No. : 55965-84-9 Index No. : 613-167-00-5 EC No. : 911-418-6	< 0,0015	Acute Tox. 2 Dermal - H310 Acute Tox. 2 Inhalation - H330 Acute Tox. 3 Oral - H301 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 Eye Dam. 1 - H318 Skin Corr. 1C - H314 Skin Sens. 1A - H317	Skin Sens. 1A - H317 : 0,0015<=<100 Skin Corr. 1C - H314 : 0,6<=<100 Skin Irrit. 2 - H315 : 0,06<=<0,6 Eye Dam. 1 - H318 : 0,6<=<100 Eye Irrit. 2 - H319 : 0,06<=<0,6 M-factor: 100 / 100 ATE Inhalation Dust/Mist 0,17

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following inhalation

- Provide fresh air.

Polyglas D4218/M

Safety Data Sheet
According to Regulation (EC) No.
2020/878

Version : 5
Revision date : 17/10/2025
Replaces SDS of : 01/02/2024

	- When in doubt or if symptoms are observed, get medical advice.
<u>Following skin contact</u>	- After contact with skin, wash immediately with plenty of water and soap. - In case of skin reactions, consult a physician.
<u>After eye contact</u>	- Rinse open eyelids thoroughly with water or eyewash for at least 15 minutes. - Remove contact lenses, if present and easy to do. Continue rinsing. - If eye irritation persists: Get medical advice/attention.
<u>After ingestion</u>	- Do NOT induce vomiting. - Give nothing to eat or drink. - When in doubt or if symptoms are observed, get medical advice.

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

<u>Symptoms and effects - Following inhalation</u>	- No information available.
<u>Symptoms and effects - Following skin contact</u>	- No information available.
<u>Symptoms and effects - After eye contact</u>	- Causes serious eye damage.
<u>Symptoms and effects - After ingestion</u>	- No information available.

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

- No information available.

SECTION 5: Firefighting measures

5.1 - Extinguishing media

<u>Suitable extinguishing media</u>	- ABC-powder - Water mist - Carbon dioxide (CO ₂)
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<u>Unsuitable extinguishing media</u>	- Strong water jet
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5.2 - Special hazards arising from the substance or mixture

<u>Special hazards arising from the substance or mixture</u>	- No data available
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<u>Hazardous decomposition products</u>	- No data available.
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5.3 - Advice for firefighters

- Do not allow run-off from fire-fighting to enter drains or water courses.
- Wear a self-contained breathing apparatus and chemical protective clothing.
- Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

Polyglas D4218/M

Safety Data Sheet

According to Regulation (EC) No.
2020/878

Version : 5
Revision date : 17/10/2025
Replaces SDS of : 01/02/2024

6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

- Personal protection equipment: see section 8
- Provide adequate ventilation.

For emergency responders

- Provide adequate ventilation.
- Wear protective gloves and protective clothing.
- Wear personal protection equipment (refer to section 8).

6.2 - Environmental precautions

- Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
- Do not allow to enter into soil/subsoil.
- Do not allow to enter into surface water or drains.

6.3 - Methods and material for containment and cleaning up

Methods and material for containment

- Stop leak if safe to do so.
- Soak up inert absorbent and dispose as waste requiring special attention.

Methods and material for cleaning up

- Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
- Ventilate affected area.

Inappropriate techniques

- No information available.

6.4 - Reference to other sections

- Disposal: see section 13
- Personal protection equipment: see section 8
- Safe handling: see section 7

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

Recommendation

- Provide adequate ventilation as well as local exhaustion at critical locations.
- Avoid: Eye contact

Advices on general occupational hygiene

- When using do not eat, drink, smoke, sniff.
- Wash hands before breaks and after work.

7.2 - Conditions for safe storage, including any incompatibilities

- Protect against: frost
- Recommended storage temperature 5-35 °C

7.3 - Specific end use(s)

- Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

Polyglas D4218/M

Safety Data Sheet

According to Regulation (EC) No. 2020/878

Version : 5

Revision date : 17/10/2025
Replaces SDS of : 01/02/2024

8.1 - Control parameters

- No data available.

8.2 - Exposure controls

Appropriate engineering controls - Provide eye shower and label its location conspicuously

Individual protection measures, such as personal protective equipment - Spectacles with side protection.



Environmental exposure controls - Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

<u>Physical state</u>	<u>Liquid</u>	<u>Appearance</u>	<u>Liquid</u>
<u>Colour</u>	beige	<u>Odour</u>	stinging
Odour threshold		No data available	
pH		9,3 < V < 10,3 20°C	
Melting point		No data available	
Freezing point		No data available	
Boiling point		100 °C	
Flash point		not applicable Aqueous solution	
Evaporation rate		No data available	
flammability		not applicable Aqueous solution	
Lower explosion limit		not applicable Aqueous solution	
Upper explosion limit		not applicable Aqueous solution	
Vapour pressure		No data available	
Vapour density		No data available	
Relative density		No data available	
Density		0,99 kg/l < V < 1 kg/l 20°C	
Solubility (Water)		complete miscible.	
Solubility (Ethanol)		No data available	
Solubility (Acetone)		No data available	
Solubility (Organic solvents)		immiscible.	
Log KOC		No data available	
Auto-ignition temperature		not relevant	
Decomposition temperature		not relevant	
Kinematic viscosity		No data available	
Dynamic viscosity		No data available	

Particle characteristics

Polyglas D4218/M

Safety Data Sheet

According to Regulation (EC) No.
2020/878

Version : 5
Revision date : 17/10/2025
Replaces SDS of : 01/02/2024

Particle size	No data available
Dustiness	No data available
Specific surface area	No data available
Shape	No data available

9.2 - Other information

VOC content	0 %
Minimum ignition energy	No data available
Conductivity	No data available
Refractive index	No data available
Solids content	No data available
Surface tension	No data available
Saturation concentration	No data available

- No data available.

SECTION 10: Stability and reactivity

10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

10.4 - Conditions to avoid

- exposure to cold. Do not freeze
- Sensitive to heat

10.5 - Incompatible materials

- No data available.

10.6 - Hazardous decomposition products

- Does not decompose when used for intended uses.

SECTION 11: Toxicological information

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

Acute toxicity - Not classified

Toxicity : Mixture

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation gas (rat)	No data available

Polyglas D4218/M

Safety Data Sheet
According to Regulation (EC) No.
2020/878

Version : 5
Revision date : 17/10/2025
Replaces SDS of : 01/02/2024

	LC50 inhalation dusts and mists (rat)	No data available
	LC50 inhalation vapours (rat)	No data available

- No data available.

Toxicity : Substances

Isotridecanol, ethoxylated (69011-36-5)		
LD50 oral (rat)	300 mg/kg < V <= 2000 mg/kg	
LD50 dermal (rabbit)	> 2000 mg/kg	

Skin corrosion/irritation - Not classified

- No data available.

Serious eye damage/eye irritation - Eye irritation - Category 2 - Causes serious eye irritation.

- Causes serious eye damage.

Respiratory or skin sensitisation - Not classified

- No data available.

Germ cell mutagenicity - Not classified

- No data available.

Carcinogenicity - Not classified

- No data available.

Reproductive toxicity - Not classified

- No data available.

STOT-single exposure - Not classified

- No data available.

STOT-repeated exposure - Not classified

- No data available.

Aspiration hazard - Not classified

11.2 - Information on other hazards

- This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available

Polyglas D4218/M

Safety Data Sheet

According to Regulation (EC) No. 2020/878

Version : 5

Revision date : 17/10/2025
Replaces SDS of : 01/02/2024

ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

Toxicity : Substances

Isotridecanol, ethoxylated (69011-36-5)	
EC50 48 hr crustacea	1 mg/l < V <= 10 mg/l
LC50 96 hr fish	1 mg/l < V <= 10 mg/l
ErC50 algae	1 mg/l < V <= 10 mg/l
ErC50 other aquatic plants	1 mg/l < V <= 10 mg/l
NOEC chronic crustacea	2,6 mg/l
1,2-benzisothiazol-3(2H)-one 1,2-benzisothiazolin-3-one (2634-33-5)	
EC50 48 hr crustacea	3,27 mg/l
LC50 96 hr fish	2,2 mg/l
ErC50 algae	0,11 mg/l
NOEC chronic fish	0,21 mg/l
NOEC chronic crustacea	1,2 mg/l
NOEC chronic algae	0,04 mg/l
reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (55965-84-9)	
EC50 48 hr crustacea	0,1 mg/l
LC50 96 hr fish	0,22 mg/l

- No data available.

12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- No data available.

12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

- No data available.

12.4 - Mobility in soil

- No data available.

12.5 - Results of PBT and vPvB assessment

- This mixture does not contain any substance with endocrine disrupting properties $\geq 0.1\%$, in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605
- The substances in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.

Polyglas D4218/M

Safety Data Sheet
According to Regulation (EC) No.
2020/878

Version : 5
Revision date : 17/10/2025
Replaces SDS of : 01/02/2024

12.6 - Endocrine disrupting properties

- This mixture 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.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

Waste treatment methods

- Dispose of contents/container to an appropriate recycling or disposal facility.

Sewage disposal

- Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).

Special precautions for waste treatment

- Do not allow to enter into surface water or drains.

Community or national or regional provisions

- Dispose of waste according to applicable legislation.

SECTION 14: Transport information

14.1 - UN number or ID number

Not applicable

14.2 - UN proper shipping name

Not applicable

14.3 - Transport hazard class(es)

Not applicable

14.4 - Packing group

Not applicable

14.5 - Environmental hazards

Not applicable

14.6 - Special precautions for user

Not applicable

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

Polyglas D4218/M

Safety Data Sheet

According to Regulation (EC) No.
2020/878

Version : 5
Revision date : 17/10/2025
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Substances REACH candidates None

Substances Annex XIV None

Substances Annex XVII None

VOC content 0 %

15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product - A chemical safety assessment has not been carried out for this mixture.

SECTION 16: Other information

SDS versions

Version	Issue date	Author	Description of the amendments
5	17/10/2025	-	Modification of CAS 2634-33-5 and CAS 55965-84-9 classification. Chapter 3.2 updated
4	01/02/2024	-	<ul style="list-style-type: none"> Cancel and replaces the SDS dated 15/06/2020 Modification of frame Creation of the UFI code

Abbreviations and acronyms

- ADR: The Agreement concerning the International Carriage of Dangerous Goods by Road
- ATE: Acute Toxicity Estimate.
- LC50: Lethal Concentration to 50 % of a test animals.
- LD50: Lethal Dose to 50% of a test animals.
- DNEL: Derived no-effect level.
- EC50: Effective concentration of the substance that causes adverse effects in 50% of test animals.
- IATA: International Air Transport Association.
- IMDG: International Maritime Dangerous Goods.
- EC No: European Community number
- NOEC: No Observed Effect Concentration.
- NOEL: No observable effect level.
- CAS No.: Chemical Abstracts Service number.
- PBT: Persistent, Bioaccumulative and Toxic.
- PNEC: Predicted no-effect concentration.
- STEL: Short-term exposure limit
- OEL: Occupational exposure limit.
- vPvB: very Persistent and very Bioaccumulative.

Texts of the regulatory sentences

Acute Tox. 2 Dermal	Acute toxicity (dermal) - Category 2
Acute Tox. 2 Inhalation	Acute toxicity (inhalative) - Category 2
Acute Tox. 3 Oral	Acute toxicity (oral) - Category 3
Acute Tox. 4 Oral	Acute toxicity (oral) - Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Aquatic Acute 1

Polyglas D4218/M

Safety Data Sheet

According to Regulation (EC) No.
2020/878

Version : 5
Revision date : 17/10/2025
Replaces SDS of : 01/02/2024

Aquatic Chronic 1	Hazardous to the aquatic environment - Aquatic Chronic 1
Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Eye irritation - Category 2
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310+H330	Fatal in contact with skin or if inhaled.
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.
H330	Fatal if inhaled.
H410	Very toxic to aquatic life with long lasting effects.
Skin Corr. 1C	Skin corrosion, Category 1C
Skin Irrit. 2	Irritation, Category 2
Skin Sens. 1A	Skin sensitization - Category 1A

This information is based on our current state of knowledge. This safety data sheet has been compiled and is to be used only for this product.

In accordance with REACH Regulation (EC) No. 1907/2006 and its Annex II revised by Regulation (EU) No. 878/2020 of June 18, 2020

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