

Printing date 29.09.2023

Version number 2 (replaces version 1)

Revision: 29.09.2023

SECTION 1: Ide undertaking	entification of the substance/mixture and of the company/
· 1.1 Product identif	ïer
[.] Trade name: <u>Epice</u>	ol 348990 Part A
 Sector of Use SU3 Industrial use Product category 	8990A ified uses of the substance or mixture and uses advised against is: Uses of substances as such or in preparations at industrial sites PC1 Adhesives, sealants substance / the mixture Adhesives
• 1.3 Details of the s • Manufacturer/Sup APM Technica AG Max-Schmidheiny-S CH-9435 HEERBR SCHWEIZ	Str.201
E-Mail: msds@apm • 1.4 Emergency tel Tox Info Suisse Freiestrasse 16 CH-8032 Zürich	00 (At office times only) I-technica.com
SECTION 2: Ha	zards identification
· 2.1 Classification	of the substance or mixture
· 2.1 Classification	
· 2.1 Classification	of the substance or mixture ording to Regulation (EC) No 1272/2008
• 2.1 Classification acc	of the substance or mixture ording to Regulation (EC) No 1272/2008
• 2.1 Classification according to the classification according	of the substance or mixture ording to Regulation (EC) No 1272/2008 prrosion
• 2.1 Classification according to the classification according	of the substance or mixture ording to Regulation (EC) No 1272/2008 prrosion H318 Causes serious eye damage.
• 2.1 Classification according to the classification according	of the substance or mixture ording to Regulation (EC) No 1272/2008 prrosion H318 Causes serious eye damage.
• 2.1 Classification acc • Classification acc GHS05 cd Eye Dam. 1 • GHS09 er Aquatic Chronic 2 GHS07	of the substance or mixture ording to Regulation (EC) No 1272/2008 prrosion H318 Causes serious eye damage.
• 2.1 Classification according to the classification according	of the substance or mixture ording to Regulation (EC) No 1272/2008 prrosion H318 Causes serious eye damage. hvironment H411 Toxic to aquatic life with long lasting effects.
 2.1 Classification according to the classification ac	bof the substance or mixture bording to Regulation (EC) No 1272/2008 prrosion H318 Causes serious eye damage. hvironment H411 Toxic to aquatic life with long lasting effects.
 2.1 Classification according to the classificatio	of the substance or mixture ording to Regulation (EC) No 1272/2008 prrosion H318 Causes serious eye damage. hvironment H411 Toxic to aquatic life with long lasting effects. H302 Harmful if swallowed. H315 Causes skin irritation. H317 May cause an allergic skin reaction.
 2.1 Classification according to the classificatio	of the substance or mixture ording to Regulation (EC) No 1272/2008 prrosion H318 Causes serious eye damage. hvironment H411 Toxic to aquatic life with long lasting effects. H302 Harmful if swallowed. H315 Causes skin irritation. H317 May cause an allergic skin reaction.
 2.1 Classification according to the classificatio	of the substance or mixture ording to Regulation (EC) No 1272/2008 prrosion H318 Causes serious eye damage. hvironment H411 Toxic to aquatic life with long lasting effects. H302 Harmful if swallowed. H315 Causes skin irritation. H317 May cause an allergic skin reaction.

Page 2/10

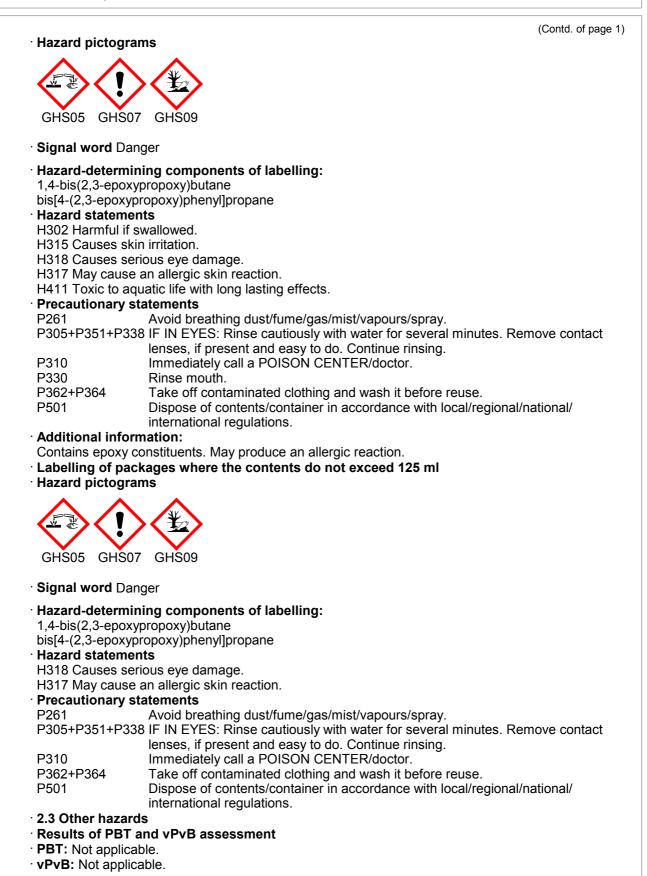
Safety data sheet according to 1907/2006/EC, Article 31

Printing date 29.09.2023

Version number 2 (replaces version 1)

Revision: 29.09.2023

Trade name: Epicol 348990 Part A



(Contd. on page 3)

Page 3/10

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 29.09.2023

Version number 2 (replaces version 1)

Revision: 29.09.2023

Trade name: Epicol 348990 Part A

(Contd. of page 2)

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

• **Description:** Mixture of substances listed below with nonhazardous additions.

Dangerous compor	nents:	
CAS: 1675-54-3	bis[4-(2,3-epoxypropoxy)phenyl]propane	>25–≤100%
EINECS: 216-823-5	♦ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317, EUH205	-
	Specific concentration limits: Eye Irrit. 2; H319: C ≥ 5 % Skin Irrit. 2; H315: C ≥ 5 %	
CAS: 2425-79-8	1,4-bis(2,3-epoxypropoxy)butane	>25–≤50%
EINECS: 219-371-7	 Eye Dam. 1, H318; Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Chronic 3, H412 	_
· Additional informat	tion: For the wording of the listed hazard phrases refer to section	n 16.

SECTION 4: First aid measures

· 4.1 Description of first aid measures

General information:

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

• After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- · After eye contact:

Rinse opened eye for several minutes under running water. Then consult a doctor.

- After swallowing: Call for a doctor immediately.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
- $^{\circ}$ 5.2 Special hazards arising from the substance or mixture
- No further relevant information available.
- 5.3 Advice for firefighters
- · Protective equipment: No special measures required.

SECTION 6: Accidental release measures

 • 6.1 Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.
 • 6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.

• 6.3 Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Use neutralising agent.

(Contd. on page 4)

according to 1907/2006/EC, Article 31

Printing date 29.09.2023

Version number 2 (replaces version 1)

Revision: 29.09.2023

Trade name: Epicol 348990 Part A

Dispose contaminated material as waste according to section 13. Ensure adequate ventilation.

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

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

· Information about fire - and explosion protection: No special measures required.

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage:

• Requirements to be met by storerooms and receptacles: No special requirements.

- Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep container tightly sealed.

· 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- · 8.1 Control parameters
- Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

• Additional information: The lists valid during the making were used as basis.

· 8.2 Exposure controls

• Appropriate engineering controls No further data; see section 7.

- · Individual protection measures, such as personal protective equipment
- General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

Respiratory protection:

Not necessary if room is well-ventilated.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Hand protection



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

(Contd. on page 5)

(Contd. of page 3)

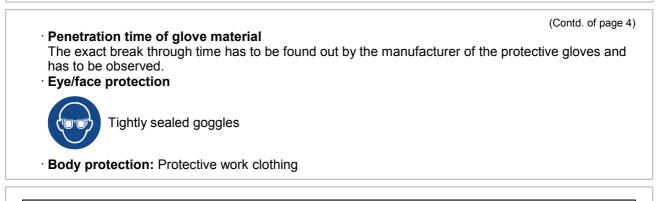
according to 1907/2006/EC, Article 31

Printing date 29.09.2023

Version number 2 (replaces version 1)

Revision: 29.09.2023

Trade name: Epicol 348990 Part A



SECTION 9: Physical and chemical properties			
• 9.1 Information on basic physical and chem	cal properties		
· General Information			
[•] Physical state	Fluid		
· Colour:	Colourless		
· Odour:	Weak, characteristic		
· Odour threshold:	Not determined.		
• Melting point/freezing point:	Undetermined.		
 Boiling point or initial boiling point and 			
boiling range	>200 °C		
[.] Flammability	Not applicable.		
• Lower and upper explosion limit			
· Lower:	Not determined.		
· Upper:	Not determined.		
· Flash point:	140 °C		
 Decomposition temperature: 	Not determined.		
∙рН	Not determined.		
· Viscosity:			
Kinematic viscosity	Not determined.		
 Dynamic at 20 °C: 	150 mPas		
· Solubility			
· water:	Not miscible or difficult to mix.		
 Partition coefficient n-octanol/water (log 			
value)	Not determined.		
· Vapour pressure at 20 °C:	>0 hPa		
Density and/or relative density			
Density at 20 °C:	1.12 g/cm ³		
· Relative density	Not determined.		
· Vapour density	Not determined.		
· 9.2 Other information			
· Appearance:			
Form:	Fluid		
Important information on protection of health	h		
and environment, and on safety.			
Ignition temperature:	Product is not selfigniting.		
Explosive properties:	Product does not present an explosion hazard.		
Solvent content:	· · ·		
· VOC (EC)	0.00 %		
Solids content:	0.0 %		
· Change in condition			
· Evaporation rate	Not determined.		
	(Contd. on page 6)		
	(Conta. of page o)		

according to 1907/2006/EC, Article 31

Printing date 29.09.2023

Version number 2 (replaces version 1)

Revision: 29.09.2023

Trade name: Epicol 348990 Part A

	(Cor	td. of page
Information with regard to physical hazard		
classes		
Explosives	Void	
Flammable gases	Void	
Aerosols	Void	
Oxidising gases	Void	
Gases under pressure	Void	
Flammable liquids	Void	
Flammable solids	Void	
Self-reactive substances and mixtures	Void	
Pyrophoric liquids	Void	
Pyrophoric solids	Void	
Self-heating substances and mixtures	Void	
Substances and mixtures, which emit		
flammable gases in contact with water	Void	
Oxidising liquids	Void	
Oxidising solids	Void	
Organic peroxides	Void	
Corrosive to metals	Void	
Desensitised explosives	Void	

SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided:
- No decomposition if used according to specifications.
- · 10.3 Possibility of hazardous reactions No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- \cdot 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

• **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008** • **Acute toxicity** Harmful if swallowed.

· LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

Oral	LD50	>1,000–≤1,667 mg/kg
Dermal	LD50	>2,200–≤3,667 mg/kg
Inholotivo	I CEO/A h	>22 <26 7 mg/l

Inhalative LC50/4 h >22-≤36.7 mg/l

• Skin corrosion/irritation Causes skin irritation.

• Serious eye damage/irritation Causes serious eye damage.

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

• **STOT-single exposure** Based on available data, the classification criteria are not met.

 \cdot STOT-repeated exposure Based on available data, the classification criteria are not met.

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

(Contd. on page 7)

IE

Page 7/10

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 29.09.2023

Version number 2 (replaces version 1)

Revision: 29.09.2023

(Contd. of page 6)

Trade name: Epicol 348990 Part A

· 11.2 Information on other hazards

Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity: No further relevant information available.

- **12.2 Persistence and degradability** No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · **vPvB:** Not applicable.
- 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

- 12.7 Other adverse effects
- · Remark: Toxic for fish
- · Additional ecological information:
- · General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water Do not allow product to reach ground water, water course or sewage system. Must not reach sewage water or drainage ditch undiluted or unneutralised. Danger to drinking water if even small quantities leak into the ground. Also poisonous for fish and plankton in water bodies. Toxic for aquatic organisms

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· European waste catalogue

08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances		
HP4	Irritant - skin irritation and eye damage		
HP6	Acute Toxicity		
HP13	Sensitising		
HP14	Ecotoxic		

· Uncleaned packaging:

• Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

· 14.1 UN number or ID number · ADR, IMDG, IATA

UN3082

(Contd. on page 8)

Printing date 29.09.2023

Version number 2 (replaces version 1)

Revision: 29.09.2023

Trade name: Epicol 348990 Part A

	(Contd. of pag
 14.2 UN proper shipping name ADR 	3082 ENVIRONMENTALLY HAZARDOUS
IMDG	SUBSTANCE, LIQUID, N.O.S. (bis[4-(2,3- epoxypropoxy)phenyl]propane) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (bis[4-(2,3- epoxypropoxy)phenyl]propane), MARINE POLLUTANT
	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (bis[4-(2,3- epoxypropoxy)phenyl]propane)
14.3 Transport hazard class(es)	
ADR, IMDG, IATA	
Class	9 Miscellaneous dangerous substances and articles.
	9
• 14.4 Packing group • ADR, IMDG, IATA	III
14.5 Environmental hazards:	
Marine pollutant:	Symbol (fish and tree)
Special marking (ADR):	Symbol (fish and tree)
Special marking (IATA):	Symbol (fish and tree)
14.6 Special precautions for user	Warning: Miscellaneous dangerous substances and articles.
Hazard identification number (Kemler code):	
EMS Number:	F-A,S-F
Stowage Category	A
 14.7 Maritime transport in bulk according to IMO instruments 	Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E1
	Maximum net quantity per inner packaging: 30 m Maximum net quantity per outer packaging: 1000 ml
Transport category	3
Tunnel restriction code	(-)
IMDG	
Limited quantities (LQ)	5L Cada: 51
Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 m Maximum net quantity per outer packaging: 1000 ml

Printing date 29.09.2023

Version number 2 (replaces version 1)

Revision: 29.09.2023

(Contd. of page 8)

Trade name: Epicol 348990 Part A

· UN "Model Regulation":

UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BIS[4-(2,3-

EPOXYPROPOXY)PHENYLJPROPANE), 9, III

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- · Seveso category E2 Hazardous to the Aquatic Environment
- · Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t
- \cdot Qualifying quantity (tonnes) for the application of upper-tier requirements $500\ t$
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
- DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment Annex II

None of the ingredients is listed.

· REGULATION (EU) 2019/1148

 Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

· Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. This Safety Data Sheets is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

Relevant phrases

- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- 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.
- H412 Harmful to aquatic life with long lasting effects.

EUH205 Contains epoxy constituents. May produce an allergic reaction.

(Contd. on page 10)

- IE -

Printing date 29.09.2023

Version number 2 (replaces version 1)

Revision: 29.09.2023

Trade name: Epicol 348990 Part A

Classification according to Regulation (EC) N	
Acute toxicity - oral Skin corrosion/irritation Serious eye damage/irritation Skin sensitisation Hazardous to the aquatic environment - long- term (chronic) aquatic hazard	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) N 1272/2008.
Department issuing SDS: Technology	
Contact: msds@apm-technica.com	
Date of previous version: 29.09.2023	
Version number of previous version: 1	
Abbreviations and acronyms:	
ADR: Accord relatif au transport international des marchano	lises dangereuses par route (European Agreement Concern
the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods	
IATA: International Air Transport Association	
GHS: Globally Harmonised System of Classification and La	belling of Chemicals
EINECS: European Inventory of Existing Commercial Chem	
EINECS: European Inventory of Existing Commercial Chem ELINCS: European List of Notified Chemical Substances	iical Substances
EINECS: European Inventory of Existing Commercial Chem ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American	iical Substances
EINECS: European Inventory of Existing Commercial Chem ELINCS: European List of Notified Chemical Substances	iical Substances
EINECS: European Inventory of Existing Commercial Chem ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent	iical Substances
EINECS: European Inventory of Existing Commercial Chem ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic	iical Substances
EINECS: European Inventory of Existing Commercial Chem ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative	iical Substances
EINECS: European Inventory of Existing Commercial Chem ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic	iical Substances
EINECS: European Inventory of Existing Commercial Chem ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Acute Tox. 4: Acute toxicity – Category 4	iical Substances Chemical Society)
EINECS: European Inventory of Existing Commercial Chem ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Acute Tox. 4: Acute toxicity – Category 4 Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Dam. 1: Serious eye damage/eye irritation – Category 2	iical Substances Chemical Society)
EINECS: European Inventory of Existing Commercial Chem ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Acute Tox. 4: Acute toxicity – Category 4 Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Dam. 1: Serious eye damage/eye irritation – Category 2 Skin Sens. 1: Skin sensitisation – Category 1	iical Substances Chemical Society) 1
EINECS: European Inventory of Existing Commercial Chem ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Acute Tox. 4: Acute toxicity – Category 4 Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Dam. 1: Serious eye damage/eye irritation – Category 2	iical Substances Chemical Society) 1 long-term aquatic hazard – Category 2

4

Safety data sheet according to 1907/2006/EC, Article 31



Printing date 29.09.2023

Version number 2 (replaces version 1)

Revision: 29.09.2023

 SECTION 1: Identification of the substance/mixture and of the company/ undertaking 1.1 Product identifier Trade name: Epicol 348990 Part B Article number: 348990B 1.2 Relevant identified uses of the substance or mixture and uses advised against Sector of Use SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites Product category PC1 Adhesives, sealants Application of the substance / the mixture Adhesives 1.3 Details of the supplier of the safety data sheet Manufacturer/Supplier: APM Technica AG Max-Schmidheiny-Str.201 CH-9435 HEERBRUGG SCHWEIZ Further information obtainable from: Tot ±41 71 789 21 00 (At affine times only)
 Trade name: Epicol 348990 Part B Article number: 348990B 1.2 Relevant identified uses of the substance or mixture and uses advised against Sector of Use SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites Product category PC1 Adhesives, sealants Application of the substance / the mixture Adhesives 1.3 Details of the supplier of the safety data sheet Manufacturer/Supplier: APM Technica AG Max-Schmidheiny-Str.201 CH-9435 HEERBRUGG SCHWEIZ Further information obtainable from:
 Article number: 348990B 1.2 Relevant identified uses of the substance or mixture and uses advised against Sector of Use SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites Product category PC1 Adhesives, sealants Application of the substance / the mixture Adhesives 1.3 Details of the supplier of the safety data sheet Manufacturer/Supplier: APM Technica AG Max-Schmidheiny-Str.201 CH-9435 HEERBRUGG SCHWEIZ Further information obtainable from:
 1.2 Relevant identified uses of the substance or mixture and uses advised against Sector of Use SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites Product category PC1 Adhesives, sealants Application of the substance / the mixture Adhesives 1.3 Details of the supplier of the safety data sheet Manufacturer/Supplier: APM Technica AG Max-Schmidheiny-Str.201 CH-9435 HEERBRUGG SCHWEIZ Further information obtainable from:
Manufacturer/Supplier: APM Technica AG Max-Schmidheiny-Str.201 CH-9435 HEERBRUGG SCHWEIZ Further information obtainable from:
Tel. +41 71 788 31 00 (At office times only) E-Mail: msds@apm-technica.com • 1.4 Emergency telephone number: Tox Info Suisse Freiestrasse 16 CH-8032 Zürich Swiss Emergency phone number: 145 (24h). From outside of Switzerland: +41 44 251 51 51
SECTION 2: Hazards identification
 · 2.1 Classification of the substance or mixture · Classification according to Regulation (EC) No 1272/2008
GHS05 corrosion
Skin Corr. 1A H314 Causes severe skin burns and eye damage.
Eye Dam. 1 H318 Causes serious eye damage.
GHS07
Acute Tox. 4 H302 Harmful if swallowed.
Skin Sens. 1 H317 May cause an allergic skin reaction.
 2.2 Label elements Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation. Hazard pictograms
GHS05 GHS07
• Signal word Danger (Contd. on page 2)

according to 1907/2006/EC, Article 31

Printing date 29.09.2023

Version number 2 (replaces version 1)

Revision: 29.09.2023

Trade name: Epicol 348990 Part B

nazaru-uetern	nining components of labelling:
	-3,5,5-trimethylcyclohexylamine
	nexamethylene-diamine
Hazard statem	
H302 Harmful i	
	evere skin burns and eye damage.
	se an allergic skin reaction.
Precautionary	
P280	Wear protective gloves/protective clothing/eye protection/face protection/hea
	protection.
P303+P361+P3	353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse
	with water [or shower].
P305+P351+P3	338 IF IN EYES: Rinse cautiously with water for several minutes. Remove conta
P310	lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
P362+P364	Take off contaminated clothing and wash it before reuse.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/
	international regulations.
Labelling of pa	ackages where the contents do not exceed 125 ml
Hazard pictog	
GHS05 GHS	07
Signal word Da	anger
Signal word Da Hazard-determ	anger nining components of labelling:
Signal word Da Hazard-determ 3-aminomethyl-	anger nining components of labelling: -3,5,5-trimethylcyclohexylamine
Signal word Da Hazard-determ 3-aminomethyl- 3,3,5-trimethylh	anger nining components of labelling: -3,5,5-trimethylcyclohexylamine nexamethylene-diamine
Signal word Da Hazard-determ 3-aminomethyl- 3,3,5-trimethylh Hazard statem	anger nining components of labelling: -3,5,5-trimethylcyclohexylamine nexamethylene-diamine nents
Signal word Da Hazard-determ 3-aminomethyl- 3,3,5-trimethylh Hazard statem H314 Causes s	anger nining components of labelling: -3,5,5-trimethylcyclohexylamine nexamethylene-diamine nents severe skin burns and eye damage.
Signal word Da Hazard-determ 3-aminomethyl- 3,3,5-trimethylh Hazard statem H314 Causes s H317 May cause	anger nining components of labelling: -3,5,5-trimethylcyclohexylamine nexamethylene-diamine nents severe skin burns and eye damage. se an allergic skin reaction.
Signal word Da Hazard-determ 3-aminomethyl- 3,3,5-trimethylh Hazard statem H314 Causes s H317 May cause Precautionary	anger nining components of labelling: -3,5,5-trimethylcyclohexylamine nexamethylene-diamine nents severe skin burns and eye damage. se an allergic skin reaction. statements
Signal word Da Hazard-determ 3-aminomethyl- 3,3,5-trimethylh Hazard statem H314 Causes s H317 May cause	anger hining components of labelling: -3,5,5-trimethylcyclohexylamine hexamethylene-diamine tents severe skin burns and eye damage. se an allergic skin reaction. statements Wear protective gloves/protective clothing/eye protection/face protection/hea
Signal word Da Hazard-determ 3-aminomethyl- 3,3,5-trimethylh Hazard statem H314 Causes s H317 May caus Precautionary P280	anger hining components of labelling: -3,5,5-trimethylcyclohexylamine hexamethylene-diamine herts severe skin burns and eye damage. se an allergic skin reaction. statements Wear protective gloves/protective clothing/eye protection/face protection/hea protection.
Signal word Da Hazard-determ 3-aminomethyl- 3,3,5-trimethylh Hazard statem H314 Causes s H317 May caus Precautionary P280	anger hining components of labelling: -3,5,5-trimethylcyclohexylamine hexamethylene-diamine herts severe skin burns and eye damage. se an allergic skin reaction. statements Wear protective gloves/protective clothing/eye protection/face protection/hex protection. 353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse
Signal word Da Hazard-determ 3-aminomethyl- 3,3,5-trimethylh Hazard statem H314 Causes s H317 May caus Precautionary P280 P303+P361+P3	anger hining components of labelling: -3,5,5-trimethylcyclohexylamine hexamethylene-diamine hexamethylene-diamine herts severe skin burns and eye damage. se an allergic skin reaction. statements Wear protective gloves/protective clothing/eye protection/face protection/hea protection. 353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse with water [or shower].
Signal word Da Hazard-determ 3-aminomethyl- 3,3,5-trimethylh Hazard statem H314 Causes s H317 May caus Precautionary P280 P303+P361+P3	anger hining components of labelling: -3,5,5-trimethylcyclohexylamine hexamethylene-diamine herts severe skin burns and eye damage. se an allergic skin reaction. statements Wear protective gloves/protective clothing/eye protection/face protection/hex protection. 353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse with water [or shower]. 338 IF IN EYES: Rinse cautiously with water for several minutes. Remove conta
Signal word Da Hazard-determ 3-aminomethyl- 3,3,5-trimethylh Hazard statem H314 Causes s H317 May caus Precautionary P280 P303+P361+P3 P305+P351+P3	 anger nining components of labelling: -3,5,5-trimethylcyclohexylamine nexamethylene-diamine nents severe skin burns and eye damage. se an allergic skin reaction. statements Wear protective gloves/protective clothing/eye protection/face protection/heaprotection. 353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse with water [or shower]. 338 IF IN EYES: Rinse cautiously with water for several minutes. Remove conta lenses, if present and easy to do. Continue rinsing.
Signal word Da Hazard-determ 3-aminomethyl- 3,3,5-trimethylh Hazard statem H314 Causes s H317 May caus Precautionary P280 P303+P361+P3 P305+P351+P3 P310	 anger anining components of labelling: -3,5,5-trimethylcyclohexylamine bexamethylene-diamine betts bevere skin burns and eye damage. be an allergic skin reaction. statements Wear protective gloves/protective clothing/eye protection/face protection/heaprotection. 353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse with water [or shower]. 338 IF IN EYES: Rinse cautiously with water for several minutes. Remove conta lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
Signal word Da Hazard-determ 3-aminomethyl- 3,3,5-trimethylh Hazard statem H314 Causes s H317 May caus Precautionary P280 P303+P361+P3 P305+P351+P3 P310 P362+P364	 anger anining components of labelling: -3,5,5-trimethylcyclohexylamine bexamethylene-diamine betts bevere skin burns and eye damage. be an allergic skin reaction. statements Wear protective gloves/protective clothing/eye protection/face protection/heaprotection. 353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse with water [or shower]. 338 IF IN EYES: Rinse cautiously with water for several minutes. Remove conta lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Take off contaminated clothing and wash it before reuse.
Signal word Da Hazard-determ 3-aminomethyl- 3,3,5-trimethylh Hazard statem H314 Causes s H317 May caus Precautionary P280 P303+P361+P3 P305+P351+P3 P310 P362+P364 P405	 anger anining components of labelling: -3,5,5-trimethylcyclohexylamine bexamethylene-diamine betts bevere skin burns and eye damage. be an allergic skin reaction. statements Wear protective gloves/protective clothing/eye protection/face protection/heaprotection. 353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse with water [or shower]. 338 IF IN EYES: Rinse cautiously with water for several minutes. Remove conta lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Take off contaminated clothing and wash it before reuse. Store locked up.
Signal word Da Hazard-determ 3-aminomethyl- 3,3,5-trimethylh Hazard statem H314 Causes s H317 May caus Precautionary P280 P303+P361+P3 P305+P351+P3 P310 P362+P364	 anger anining components of labelling: -3,5,5-trimethylcyclohexylamine bexamethylene-diamine betts bevere skin burns and eye damage. be an allergic skin reaction. statements Wear protective gloves/protective clothing/eye protection/face protection/heaprotection. 353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse with water [or shower]. 338 IF IN EYES: Rinse cautiously with water for several minutes. Remove conta lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Take off contaminated clothing and wash it before reuse.
Signal word Da Hazard-determ 3-aminomethyl- 3,3,5-trimethylh Hazard statem H314 Causes s H317 May cause Precautionary P280 P303+P361+P3 P305+P351+P3 P310 P362+P364 P405 P501 2.3 Other haza	 anger -3,5,5-trimethylcyclohexylamine examethylene-diamine mexamethylene-diamine ments severe skin burns and eye damage. se an allergic skin reaction. statements Wear protective gloves/protective clothing/eye protection/face protection/heaprotection. 353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse with water [or shower]. 338 IF IN EYES: Rinse cautiously with water for several minutes. Remove conta lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Take off contaminated clothing and wash it before reuse. Store locked up. Dispose of contents/container in accordance with local/regional/national/ international regulations.
Signal word Da Hazard-determ 3-aminomethyl- 3,3,5-trimethylh Hazard statem H314 Causes s H317 May caus Precautionary P280 P303+P361+P3 P305+P351+P3 P310 P362+P364 P405 P501 2.3 Other haza Results of PBT	 anger anger a,5,5-trimethylcyclohexylamine bexamethylene-diamine betamets severe skin burns and eye damage. se an allergic skin reaction. statements Wear protective gloves/protective clothing/eye protection/face protection/heaprotection. 353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse with water [or shower]. 338 IF IN EYES: Rinse cautiously with water for several minutes. Remove conta lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Take off contaminated clothing and wash it before reuse. Store locked up. Dispose of contents/container in accordance with local/regional/national/ international regulations. and vPvB assessment
Signal word Da Hazard-determ 3-aminomethyl- 3,3,5-trimethylh Hazard statem H314 Causes s H317 May cause Precautionary P280 P303+P361+P3 P305+P351+P3 P310 P362+P364 P405 P501 2.3 Other haza	 anger anger a,5,5-trimethylcyclohexylamine bexamethylene-diamine betamets severe skin burns and eye damage. se an allergic skin reaction. statements Wear protective gloves/protective clothing/eye protection/face protection/hear protection. 353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse with water [or shower]. 338 IF IN EYES: Rinse cautiously with water for several minutes. Remove conta lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Take off contaminated clothing and wash it before reuse. Store locked up. Dispose of contents/container in accordance with local/regional/national/ international regulations. and vPvB assessment cable.

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

 \cdot **Description:** Mixture of substances listed below with nonhazardous additions.

(Contd. on page 3)

IE

according to 1907/2006/EC, Article 31

Printing date 29.09.2023

Version number 2 (replaces version 1)

Revision: 29.09.2023

Trade name: Epicol 348990 Part B

(Contd. of page 2
nents:	
3-aminomethyl-3,5,5-trimethylcyclohexylamine	>25–≤50%
 ♦ Skin Corr. 1B, H314; Eye Dam. 1, H318; () Acute Tox. 4, H302; Skin Sens. 1A, H317 ATE: LD50 oral: 1,030 mg/kg Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.001 % 	
3,3,5-trimethylhexamethylene-diamine ♦ Skin Corr. 1A, H314; Eye Dam. 1, H318; ♦ Acute Tox. 4, H302; Skin Sens. 1A, H317	>10–≤50%
	ents: 3-aminomethyl-3,5,5-trimethylcyclohexylamine ♦ Skin Corr. 1B, H314; Eye Dam. 1, H318; ♦ Acute Tox. 4, H302; Skin Sens. 1A, H317 ATE: LD50 oral: 1,030 mg/kg Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.001 % 3,3,5-trimethylhexamethylene-diamine ♦ Skin Corr. 1A, H314; Eye Dam. 1, H318; ♦ Acute Tox. 4,

SECTION 4: First aid measures

· 4.1 Description of first aid measures

General information:

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- · After eye contact:

Rinse opened eye for several minutes under running water. Then consult a doctor.

- · After swallowing:
- Call for a doctor immediately.

Drink plenty of water and provide fresh air. Call for a doctor immediately.

- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions. • 5.2 Special hazards arising from the substance or mixture
- During heating or in case of fire poisonous gases are produced.
- · 5.3 Advice for firefighters
- Protective equipment: Mouth respiratory protective device.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Mount respiratory protective device.
- Wear protective equipment. Keep unprotected persons away.
- · 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- · 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Use neutralising agent.

Dispose contaminated material as waste according to section 13.

- Ensure adequate ventilation.
- 6.4 Reference to other sections
 See Section 7 for information on safe handling.
 See Section 8 for information on personal protection equipment.

(Contd. on page 4)

according to 1907/2006/EC, Article 31

Printing date 29.09.2023

Version number 2 (replaces version 1)

Revision: 29.09.2023

Trade name: Epicol 348990 Part B

See Section 13 for disposal information.

(Contd. of page 3)

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

- · Information about fire and explosion protection: Keep respiratory protective device available.
- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- · Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep container tightly sealed.
- · 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- · 8.1 Control parameters
- Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- Appropriate engineering controls No further data; see section 7.
- Individual protection measures, such as personal protective equipment
- General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

- **Respiratory protection:**
- Not necessary if room is well-ventilated.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Hand protection



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

(Contd. on page 5)

IF

Printing date 29.09.2023

Version number 2 (replaces version 1)

Revision: 29.09.2023

(Contd. of page 4)

Trade name: Epicol 348990 Part B

· Eye/face protection



Tightly sealed goggles

· Body protection: Protective work clothing

SECTION 9: Physical and chemical properties · 9.1 Information on basic physical and chemical properties · General Information · Physical state Fluid · Colour: Yellowish · Odour: Amine-like · Odour threshold: Not determined. • Melting point/freezing point: Undetermined. · Boiling point or initial boiling point and boiling range >200 °C · Flammability Not applicable. · Lower and upper explosion limit · Lower: Not determined. · Upper: Not determined. · Flash point: >120 °C · Decomposition temperature: Not determined. · pH Not determined. · Viscosity: · Kinematic viscosity Not determined. · Dynamic at 20 °C: 150 mPas · Solubility · water: Not miscible or difficult to mix. Partition coefficient n-octanol/water (log Not determined. value) Vapour pressure at 20 °C: <0.1 hPa · Density and/or relative density Density at 20 °C: 0.95 g/cm³ · Relative density Not determined.

· Vapour density Not determined. · 9.2 Other information · Appearance: · Form: Fluid · Important information on protection of health and environment, and on safety. · Ignition temperature: Product is not selfigniting. • Explosive properties: Product does not present an explosion hazard. · Solvent content: · VOC (EC) 0.00 % Change in condition · Evaporation rate Not determined. Information with regard to physical hazard classes Explosives Void · Flammable gases Void · Aerosols Void Oxidising gases Void

(Contd. on page 6)

Printing date 29.09.2023

Version number 2 (replaces version 1)

Revision: 29.09.2023

Trade name: Epicol 348990 Part B

		(Contd. of page 5)
Gases under pressure	Void	
Flammable liquids	Void	
Flammable solids	Void	
Self-reactive substances and mixtures	Void	
Pyrophoric liquids	Void	
Pyrophoric solids	Void	
Self-heating substances and mixtures	Void	
Substances and mixtures, which emit		
flammable gases in contact with water	Void	
Oxidising liquids	Void	
Oxidising solids	Void	
Organic peroxides	Void	
Corrosive to metals	Void	
Desensitised explosives	Void	

SECTION 10: Stability and reactivity

• **10.1 Reactivity** No further relevant information available.

- · 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided:
- No decomposition if used according to specifications.
- · 10.3 Possibility of hazardous reactions No dangerous reactions known.
- · 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

 $^{\cdot}$ 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

- · Acute toxicity Harmful if swallowed.
- · LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

Oral LD50 >921–≤1,447 mg/kg (ATE)

2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine

Oral LD50 1,030 mg/kg (ATE)

- Skin corrosion/irritation Causes severe skin burns and eye damage.
- Serious eye damage/irritation Causes serious eye damage.
- · 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.
- \cdot Reproductive toxicity Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- 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.
- 11.2 Information on other hazards
- · Endocrine disrupting properties
- None of the ingredients is listed.

SECTION 12: Ecological information

· 12.1 Toxicity

• Aquatic toxicity: No further relevant information available.

(Contd. on page 7)

IE

according to 1907/2006/EC, Article 31

Printing date 29.09.2023

Version number 2 (replaces version 1)

Revision: 29.09.2023

(Contd. of page 6)

Trade name: Epicol 348990 Part B

- 12.2 Persistence and degradability No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- · vPvB: Not applicable.
- · 12.6 Endocrine disrupting properties
- The product does not contain substances with endocrine disrupting properties.
- · 12.7 Other adverse effects
- · Additional ecological information:
- · General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water Do not allow product to reach ground water, water course or sewage system. Must not reach sewage water or drainage ditch undiluted or unneutralised. Danger to drinking water if even small quantities leak into the ground.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· European waste catalogue

08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances
HP6	Acute Toxicity
HP8	Corrosive
HP13	Sensitising

· Uncleaned packaging:

· Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information · 14.1 UN number or ID number · ADR, IMDG, IATA UN2735 · 14.2 UN proper shipping name · ADR 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (ISOPHORONEDIAMINE, TRIMETHYLHEXAMETHYLENEDIAMINES) · IMDG, IATA AMINES, LIQUID, CORROSIVE, N.O.S. (ISOPHORONEDIAMINE TRIMETHYLHEXAMETHYLENEDIAMINES) · 14.3 Transport hazard class(es) · ADR, IMDG, IATA 8 Corrosive substances.

8

Class
 Label

(Contd. on page 8)

IE

Printing date 29.09.2023

Version number 2 (replaces version 1)

Revision: 29.09.2023

Trade name: Epicol 348990 Part B

	(Contd. of page
· 14.4 Packing group · ADR, IMDG, IATA	111
14.5 Environmental hazards:	Not applicable.
14.6 Special precautions for user Hazard identification number (Kemler code): EMS Number: Segregation groups Stowage Category Segregation Code	Warning: Corrosive substances. 80 F-A,S-B (SGG18) Alkalis A SG35 Stow "separated from" SGG1-acids
14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
Transport/Additional information:	
ADR Limited quantities (LQ) Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
Transport category Tunnel restriction code	3 E
IMDG Limited quantities (LQ) Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
UN "Model Regulation":	UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S (ISOPHORONEDIAMINE, TRIMETHYLHEXAMETHYLENEDIAMINES), 8, II

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- · REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
- DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

· REGULATION (EU) 2019/1148

• Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

· Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

(Contd. on page 9)

_ IE

Printing date 29.09.2023

Version number 2 (replaces version 1)

Revision: 29.09.2023

Trade name: Epicol 348990 Part B

None of the ingredients is lists	ries in drug precursors
None of the ingredients is liste	ed.
15.2 Chemical safety assess	sment: A Chemical Safety Assessment has not been carried out.
SECTION 16: Other info	ormation
This information is based on o for any specific product feature	our present knowledge. However, this shall not constitute a guarant es and shall not establish a legally valid contractual relationship. compliance with Regulation (EC) No 1907/2006, Article 31 as
 Relevant phrases H302 Harmful if swallowed. H314 Causes severe skin burr H317 May cause an allergic skin H318 Causes serious eye dam 	kin reaction.
· Classification according to I	Regulation (EC) No 1272/2008
Acute toxicity - oral Skin corrosion/irritation Serious eye damage/irritation Skin sensitisation	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.
the International Carriage of Dangero IMDG: International Maritime Code fo IATA: International Air Transport Asso GHS: Globally Harmonised System o EINECS: European Inventory of Exist ELINCS: European List of Notified Ch	 0.09.2023 version: 1 s: national des marchandises dangereuses par route (European Agreement Concerr us Goods by Road) or Dangerous Goods ociation of Classification and Labelling of Chemicals ting Commercial Chemical Substances nemical Substances vision of the American Chemical Society) JSA, EU) nt