



# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended

## ATLAS FUGA EPOKSYDOWA - składnik A

Creation date 19th February 2021  
Revision date Version 4.0

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

- 1.1. Product identifier**  
Substance / mixture ATLAS FUGA EPOKSYDOWA - składnik A  
mixture  
UFI DVSS-J6R1-AN09-RTG4
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**  
**Mixture's intended use**  
For grouting and filling gaps and for fixing building ceramics.  
**Mixture uses advised against**  
The product should not be used in ways other than those referred in Section 1.  
**Main intended use**  
PC-ADH-8 Multi-component adhesives and sealants  
**Secondary uses**  
PC-ADH-2 Adhesives and sealants - building and construction works (except cement based adhesives)
- 1.3. Details of the supplier of the safety data sheet**  
**Supplier**  
Name or trade name ATLAS sp. z o.o.  
Address Św. Teresy 105, Łódź, 91-222  
Poland  
VAT Reg No PL9471936467  
Phone +48 42 631 89 45  
E-mail msds@atlas.com.pl  
Web address www.atlas.com.pl  
**Competent person responsible for the safety data sheet**  
Name ATLAS sp. z o.o.  
E-mail msds@atlas.com.pl
- 1.4. Emergency telephone number**  
National Health Service (NHS) 111

### 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 Irrit. 2, H315  
Skin Sens. 1A, H317  
Eye Irrit. 2, H319  
Aquatic Chronic 3, H412

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

#### Most serious adverse effects on human health and the environment

Causes serious eye irritation. May cause an allergic skin reaction. Causes skin irritation. Harmful to aquatic life with long lasting effects.

- 2.2. Label elements**  
**Hazard pictogram**



**Signal word**  
Warning



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### Hazardous substances

2,2-bis[4-(2,3-epoxypropoxy)phenyl]propane

Reaction mass of 2,2'-[methylene bis(4,1-phenyleneoxymethylene)] dioxirane and [2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)] dioxirane oxirane, mono[(C12-14-alkyloxy)methyl] derivs.

Fatty acids, C18-unsaturated, dimers, reaction products with N, N-dimethyl-1,3-propanediamine and 1,3-propanediamine

### Hazard statements

H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H412 Harmful to aquatic life with long lasting effects.

### Precautionary statements

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P264 Wash hands and exposed parts of the body thoroughly after handling.  
P280 Wear protective gloves.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P501 Dispose of contents/container to by handing over to the person authorized to dispose of waste or by returning to the supplier.

### 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.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Mixture of substances and additives specified below.

**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
CAS: 1675-54-3 EC: 216-823-5 Registration number: 01-2119456619-26	2,2-bis[4-(2,3-epoxypropoxy)phenyl]propane	12-13	Skin Irrit. 2, H315 Skin Sens. 1A, H317 Eye Irrit. 2, H319 Aquatic Chronic 2, H411	
CAS: 9003-36-5 EC: 701-263-0 Registration number: 01-2119454392-40-0003	Reaction mass of 2,2'-[methylene bis(4,1-phenyleneoxymethylene)] dioxirane and [2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)] dioxirane	3-4	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411	
Index: 603-103-00-4 CAS: 68609-97-2 EC: 271-846-8	oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	3-3,5	Skin Irrit. 2, H315 Skin Sens. 1, H317	
CAS: 162627-17-0 EC: 605-296-0 Registration number: 01-2119970640-38	Fatty acids, C18-unsaturated, dimers, reaction products with N, N-dimethyl-1,3-propanediamine and 1,3-propanediamine	0,18-0,4	Skin Sens. 1A, H317	2
Index: 603-064-00-3 CAS: 107-98-2 EC: 203-539-1 Registration number: 01-2119457435-35	1-methoxy-2-propanol	0,1-0,2	Flam. Liq. 3, H226 STOT SE 3, H336	1

### Notes

1 Substance with a Union workplace exposure limit.



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2 Substance of unknown or variable composition, complex reaction products or biological materials - UVCB.  
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 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. Provide medical treatment, specialized if possible.

##### If swallowed

Rinse out the mouth with water and provide 2-5 dL of water. Provide medical treatment if the person has any health problems.

#### 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

Causes serious eye irritation.

##### 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.



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### 6.3. Methods and material for containment and cleaning up

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

### 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. Wash hands and exposed parts of the body thoroughly after handling. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection. Avoid release to the environment.

### 7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in a dedicated, cool, dry and well ventilated room. Storage temperature from +5 degrees C to +30 degrees C

### 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
1-methoxy-2-propanol (CAS: 107-98-2)	OEL 8 hours	375 mg/m <sup>3</sup>	Skin
	OEL 8 hours	100 ppm	
	OEL 15 minutes	568 mg/m <sup>3</sup>	
	OEL 15 minutes	150 ppm	

#### United Kingdom of Great Britain and Northern Ireland

#### EH40/2005 Workplace exposure limits (Fourth Edition 2020)

Substance name (component)	Type	Value	Note
1-methoxy-2-propanol (CAS: 107-98-2)	WEL 8h	375 mg/m <sup>3</sup>	Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.
	WEL 8h	100 ppm	
	WEL 15min	560 mg/m <sup>3</sup>	



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### United Kingdom of Great Britain and Northern Ireland

### EH40/2005 Workplace exposure limits (Fourth Edition 2020)

Substance name (component)	Type	Value	Note
1-methoxy-2-propanol (CAS: 107-98-2)	WEL 15min	150 ppm	Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.

### DNEL

#### 1-methoxy-2-propanol

Workers / consumers	Route of exposure	Value	Effect	Determining method
Workers	Dermal	50.6 mg/kg/24hour	Systemic chronic effects	
Workers	Inhalation	369 mg/m <sup>3</sup>	Systemic chronic effects	
Workers	Inhalation	553.5 mg/m <sup>3</sup>	Local acute effects	
Consumers	Oral	3.3 mg/kg/24hour	Systemic chronic effects	
Consumers	Dermal	18.1 mg/kg/24hour	Systemic chronic effects	
Consumers	Inhalation	43.9 mg/m <sup>3</sup>	Systemic chronic effects	

Reaction mass of 2,2'-[methylene bis(4,1-phenyleneoxymethylene)] dioxirane and [2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)] dioxirane

Workers / consumers	Route of exposure	Value	Effect	Determining method
Consumers	Oral	6.25 mg/kg bw/day	Systemic chronic effects	
Consumers	Dermal	62.5 mg/kg bw/day	Systemic chronic effects	
Workers	Dermal	104.15 mg/kg bw/day	Systemic chronic effects	
Consumers	Inhalation	8.7 mg/m <sup>3</sup>	Systemic chronic effects	
Workers	Inhalation	29.39 mg/m <sup>3</sup>	Systemic chronic effects	

### PNEC

#### 1-methoxy-2-propanol

Route of exposure	Value	Determining method
Drinking water	10 mg/l	
Seawater	1 mg/l	
Water (intermittent release)	100 mg/l	
Freshwater sediment	52.3 mg/kg	
Sea sediments	5.2 mg/kg	
Soil (agricultural)	5.49 mg/kg	
Microorganisms in wastewater treatment plants	100 mg/l	

Reaction mass of 2,2'-[methylene bis(4,1-phenyleneoxymethylene)] dioxirane and [2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)] dioxirane

Route of exposure	Value	Determining method
Drinking water	0.003 mg/l	
Seawater	0 mg/l	



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Reaction mass of 2,2'-[methylene bis(4,1-phenyleneoxymethylene)] dioxirane and [2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)] dioxirane

Route of exposure	Value	Determining method
Freshwater sediment	0.294 mg/kg	
Sea sediments	0.029 mg/kg	
Soil (agricultural)	0.237 mg/kg of dry substance of soil	
Microorganisms in wastewater treatment plants	10 mg/l	
Water (intermittent release)	0.025 mg/l	

### 8.2. Exposure controls

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

Protective goggles.

#### Skin protection

Hand protection: Protective gloves resistant to the product. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Observe other recommendations of the manufacturer. Other protection: protective workwear. 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	liquid
Color	gold, colourless, white, brown, black, red, violet, blue, orange, purple, pink, silver, grey, green, yellow
Odour	weak
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	data not available
Flammability	data not available
Lower and upper explosion limit	data not available
Flash point	>200 °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
Solubility	dissolves in ketones, esters, alcohols and aromatic hydrocarbons
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	data not available
Density and/or relative density	
Density	1,9-2,1 g/cm <sup>3</sup>
Relative vapour density	data not available
Particle characteristics	data not available
Form	paste

### 9.2. Other information

Explosive properties the product is not explosive



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### 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-methoxy-2-propanol

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex	Source
Oral	LD <sub>50</sub>		4016 mg/kg bw		Rat (Rattus norvegicus)		ECHA
Dermal	LD <sub>50</sub>		>2000 mg/kg bw		Rat (Rattus norvegicus)		ECHA

Fatty acids, C18-unsaturated, dimers, reaction products with N, N-dimethyl-1,3-propanediamine and 1,3-propanediamine

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex	Source
Oral	LD <sub>50</sub>	OECD 401	>10000 mg/kg bw		Rat (Rattus norvegicus)		ECHA

Reaction mass of 2,2'-[methylene bis(4,1-phenyleneoxymethylene)] dioxirane and [2-(2-(4-(oxiran-2-ylmethoxy)benzyl)phenoxy)methyl]oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)] dioxirane

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex	Source
Oral	LD <sub>50</sub>		>5000 mg/kg		Rat (Rattus norvegicus)		
Dermal	LD <sub>50</sub>		>2000 mg/kg		Rat (Rattus norvegicus)		

#### Skin corrosion/irritation

Causes skin irritation.

#### Serious eye damage/irritation

Causes serious eye irritation.



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### Sensitization

Fatty acids, C18-unsaturated, dimers, reaction products with N, N-dimethyl-1,3-propanediamine and 1,3-propanediamine

Route of exposure	Result	Time of exposure	Species	Sex	Source
Oral	Sensitizing		Mouse		ECHA

### 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.

### 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.

### Repeated dose toxicity

Reaction mass of 2,2'-[methylene bis(4,1-phenyleneoxymethylene)] dioxirane and [2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)] dioxirane

Route of exposure	Parameter	Result	Value	Time of exposure	Species	Sex
Oral	NOAEL		250 mg/kg bw/day			

### Aspiration hazard

Based on available data the classification criteria are not met.

## 11.2. Information on other hazards

not available

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Acute toxicity

Harmful to aquatic life with long lasting effects.

Fatty acids, C18-unsaturated, dimers, reaction products with N, N-dimethyl-1,3-propanediamine and 1,3-propanediamine

Parameter	Method	Value	Time of exposure	Species	Environment	Source
LL 50		>150 mg/l	96 hour	Fishes (Leuciscus idus)		ECHA
EL 50	OECD 202	>100 mg/l	48 hour	Daphnia (Daphnia magna)		ECHA





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Fatty acids, C18-unsaturated, dimers, reaction products with N, N-dimethyl-1,3-propanediamine and 1,3-propanediamine

Parameter	Method	Value	Time of exposure	Species	Environment	Source
EL 50	OECD 201	>100 mg/l	72 hour	Algae (Pseudokirchneriella subcapitata)		ECHA

Reaction mass of 2,2'-[methylene bis(4,1-phenyleneoxymethylene)] dioxirane and [2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)] dioxirane

Parameter	Method	Value	Time of exposure	Species	Environment	Source
LC <sub>50</sub>		2.54 mg/l	96 hour	Fishes		
EC <sub>50</sub>		2.55 mg/l	48 hour	Daphnia magna		
EC <sub>50</sub>		1.8 mg/l	72 hour	Algae		

### 12.2. Persistence and degradability

#### Biodegradability

1-methoxy-2-propanol

Parameter	Method	Value	Time of exposure	Environment	Result	Source
	OECD 301E	96 %	28 day		Easily biodegradable	ECHA

Fatty acids, C18-unsaturated, dimers, reaction products with N, N-dimethyl-1,3-propanediamine and 1,3-propanediamine

Parameter	Method	Value	Time of exposure	Environment	Result	Source
	OECD 301F	0 %	28 day		Hardly biodegradable	ECHA

The product is probably not biodegradable.

### 12.3. Bioaccumulative potential

Reaction mass of 2,2'-[methylene bis(4,1-phenyleneoxymethylene)] dioxirane and [2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)] dioxirane

Parameter	Method	Value	Time of exposure	Species	Environment	Surrounding temperature [°C]
Log Pow	OECD 117	3.6				20°C

Data not available.

### 12.4. Mobility in soil

Data not available.

### 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

not available

### 12.7. Other adverse effects

Data not available.

## SECTION 13: Disposal considerations



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### 13.1. Waste treatment methods

Danger of environmental contamination, follow the applicable regulations on waste disposal. Store unused product and contaminated packaging in closed containers for waste collection and hand over for disposal to a specialized company authorized to conduct such activity. Do not pour unused product into drains. Must not be disposed of together with municipal waste. Empty packaging can be used for energy purposes in a waste incineration plant or collected in a landfill with an appropriate classification. Perfectly cleaned packaging can be recycled. The classification of waste may change depending on where it is generated.

#### 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.

#### Waste type code

08 04 09 waste adhesives and sealants containing organic solvents or other hazardous substances \*

#### Packaging waste type code

15 01 10 packaging containing residues of or contaminated by hazardous substances \*

(\* ) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

### SECTION 14: Transport information

#### 14.1. UN number or ID number

Not subject to ADR

#### 14.2. UN proper shipping name

not available

#### 14.3. Transport hazard class(es)

not available

#### 14.4. Packing group

not available

#### 14.5. Environmental hazards

not available

#### 14.6. Special precautions for user

Reference in the Sections 4 to 8.

#### 14.7. Maritime transport in bulk according to IMO instruments

not available

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 as amended. Environmental Protection Act 1990 as amended. Clean Air Act 1993 as amended. 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 of 16th December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006, as amended.

#### 15.2. Chemical safety assessment

not available

### SECTION 16: Other information

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

H226 Flammable liquid and vapour.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.



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### Guidelines for safe handling used in the safety data sheet

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P264	Wash hands and exposed parts of the body thoroughly after handling.
P280	Wear protective gloves.
P337+P313	If eye irritation persists: Get medical advice/attention.
P501	Dispose of contents/container to by handing over to the person authorized to dispose of waste or by returning to the supplier.

### 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
DNEL	Derived no-effect level
EC	Identification code for each substance listed in EINECS
EC <sub>50</sub>	Concentration of a substance when it is affected 50% of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
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
IC <sub>50</sub>	Concentration causing 50% blockade
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC <sub>50</sub>	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD <sub>50</sub>	Lethal dose of a substance in which it can be expected death of 50% of the population
LOAEC	Lowest observed adverse effect concentration
LOAEL	Lowest observed adverse effect level
log K <sub>ow</sub>	Octanol-water partition coefficient
MARPOL	International Convention for the Prevention of Pollution From Ships
NOAEC	No observed adverse effect concentration
NOAEL	No observed adverse effect level
NOEC	No observed effect concentration
NOEL	No observed effect level
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted no-effect concentration
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
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bioaccumulative



# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended

## ATLAS FUGA EPOKSYDOWA - składnik A

Creation date	19th February 2021	Version	4.0
Revision date			

Aquatic Chronic	Hazardous to the aquatic environment (chronic)
Eye Irrit.	Eye irritation
Flam. Liq.	Flammable liquid
Skin Irrit.	Skin irritation
Skin Sens.	Skin sensitization
STOT SE	Specific target organ toxicity - single exposure

### 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)

This card replaces version 3.0 of August 31, 2018 Section update: 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16.

### 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.