

## Safety data sheet according to UK REACH

Printing date 18.03.2025

Version number 4 (replaces version 3)

Revision: 18.03.2025

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

- **1.1 Product identifier**
- **Trade name: AT TYRE SHINE PLUS**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Life cycle stages** *PW* Widespread use by professional workers
- **Sector of Use** *SU22* Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- **Product category** *PC31* Polishes and wax blends
- **Recommended use**  
*Protective impregnation*  
*Self glazing emulsion*
- **Uses advised against**  
*The mixture is not recommended for industrial, professional and consumer applications not specified as relevant identified uses*
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Adriateh d.o.o.  
- Zagrebačka ul. 2  
- 10431 Sveta Nedelja-Novaki, HRVATSKA  
- Tel.+013335-120  
- www.adriateh.hr  
- info@adriateh.hr
- **1.4 Emergency telephone number:** *In case of accident call the emergency number 112*

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
*The product is not classified as hazardous according to the GB CLP Regulation.*
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** *Void*
- **Hazard pictograms** *Void*
- **Signal word** *Void*
- **Hazard statements** *Void*
- **Precautionary statements**  
*P102 Keep out of reach of children.*
- **Additional information:**  
*EUH208 Contains 1,2-benzisothiazolin-3-one. May produce an allergic reaction.*  
*EUH210 Safety data sheet available on request.*
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** *Not applicable.*
- **vPvB:** *Not applicable.*

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### SECTION 3: Composition/information on ingredients

## - 3.2 Mixtures

- **Description:** Mixture of substances- **Dangerous components:**

CAS: 56-81-5 EINECS: 200-289-5 Reg.nr.: 01-2119471987-18	glycerol substance with a Community workplace exposure limit	30-50%
CAS: 2634-33-5 EINECS: 220-120-9	1,2-benzisothiazolin-3-one ☠ Acute Tox. 2, H330; ☠ Eye Dam. 1, H318; ☠ Aquatic Acute 1, H400 (M=1); Aquatic Chronic 1, H410 (M=1); ☠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1A, H317 ATE: LD50 oral: 450 mg/Kg LC50 inhalative: 0.21 mg/L Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.036 %	<0.036%

- **Additional information** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

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

Sickness

No further relevant information available.

- **General information** No special measures required.- **After inhalation** Supply fresh air; consult doctor in case of symptoms.- **After skin contact** The product is not skin irritating.- **After eye contact** Rinse opened eye for several minutes under running water.- **After swallowing** In case of persistent symptoms consult doctor.

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

If swallowed, gastric irrigation

Medical supervision for at least 48 hours

### SECTION 5: Firefighting measures

## - 5.1 Extinguishing media

- **Suitable extinguishing agents**CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet.CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

Use fire fighting measures that suit the environment.

## - 5.2 Special hazards arising from the substance or mixture

Can be released in case of fire

Carbon monoxide (CO)

## - 5.3 Advice for firefighters

- **Protective equipment:**

Do not inhale explosion gases or combustion gases.

Protection means for respiratory tract

- **Additional information**

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### SECTION 6: Accidental release measures

## - 6.1 Personal precautions, protective equipment and emergency procedures Protective gloves. (EN 374)

- **For non-emergency personnel**

Ensure adequate ventilation

Keep away from ignition sources

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Wear protective clothing.

**- For emergency responders**

PVC gloves

Nitrile rubber, NBR

**- 6.2 Environmental precautions:**

Dilute with much water.

Do not allow to enter drainage system, 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).

Dispose of the material collected according to regulations.

**- 6.4 Reference to other sections**

No dangerous materials are released.

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

### SECTION 7: Handling and storage

**- 7.1 Precautions for safe handling**

No special measures required.

Take off immediately all contaminated clothing

Wash hands during breaks and at the end of the work.

Do not eat, drink or smoke while working.

**- Information about protection against explosions and fires:**

The product is not flammable

Protect from heat.

**- 7.2 Conditions for safe storage, including any incompatibilities****- Storage****- Requirements to be met by storerooms and containers:** Store only in the original container.**- Information about storage in one common storage facility:** Not required.**- Further information about storage conditions:** None.**- Class according to regulation on inflammable liquids:** Void**- 7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

**- 8.1 Control parameters****- Components with limit values that require monitoring at the workplace:****56-81-5 glycerol**WEL Long-term value: 10 mg/m<sup>3</sup>**- DNELs****56-81-5 glycerol**

Oral Systemic Long-term Effects 229 mg/Kg bw/day (Consumers)

Inhalative Local long-term effects 56 mg/m<sup>3</sup> (Industrial Workers)33 mg/m<sup>3</sup> (Consumers)**- PNECs****56-81-5 glycerol**

Soil 0.141 mg/Kg (Soil)

Soft Water 0.885 mg/L (Water)

Sea water 0.00885 mg/L (Water)

Sediment (soft water) 3.3 mg/Kg (Soil)

Sediment (sea water) 0.33 mg/Kg (Soil)

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- **Additional information:** The lists that were valid during the compilation 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**

Do not eat, drink or smoke while working.

Wash hands during breaks and at the end of the work.

- **Breathing equipment:** Not required.

- **Hand protection**



Protective gloves. (EN 374)

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

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

Preventive skin protection by use of skin-protecting agents is recommended.

- **Material of gloves**

PVC gloves

Nitrile rubber, NBR

- **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.

- **Eye/face protection**



Safety glasses recommended during refilling.

- **Environmental exposure controls**

Packaging can be reused or recycled after cleaning.

Disposal must be made according to official regulations.

Dispose of packaging according to regulations on the disposal of packagings.

## SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Physical state**

Liquid

- **Colour:**

Blue

- **Odour:**

Pleasant

- **Odour threshold:**

Not determined.

- **Melting point/freezing point:**

<-10 °C

- **Boiling point or initial boiling point and boiling range**

100 °C (7732-18-5 water, distilled, conductivity or of similar purity)

- **Flammability**

Not applicable.

- **Lower and upper explosion limit**

- **Lower:**

Not determined.

- **Upper:**

Not determined.

- **Flash point:**

Not applicable

- **Auto-ignition temperature:**

400 °C

- **Decomposition temperature:**

n.a

- **pH at 20 °C**

6

- **Viscosity:**

- **Kinematic viscosity**

Not determined.

- **dynamic at 20 °C:**

200 mPas

- **Solubility**

- **Water:**

Fully miscible

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- Partition coefficient n-octanol/water (log value)	Not determined.
- Vapour pressure:	Not determined.
- Density and/or relative density	
- Density at 20 °C	1.3 g/cm <sup>3</sup>
- Relative density	Not determined.
- Vapour density	Not determined.

<b>- 9.2 Other information</b>	
- Appearance:	
- Form:	Viscous
<b>- Important information on protection of health and environment, and on safety.</b>	
- Self-inflammability:	Product is not selfigniting.
- Explosive properties:	Product is not explosive.
- Change in condition	
- Evaporation rate	Not determined.

<b>- Information with regard to physical hazard classes</b>	
- 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 Stable under normal conditions
- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: Stable at ambient temperature
- 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

- 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- Acute toxicity Based on available data, the classification criteria are not met.

#### - LD/LC50 values that are relevant for classification:

##### 56-81-5 glycerol

Oral	LD50	12,600 mg/Kg (Rat)
Dermal	LD50	>18,700 mg/Kg (Rabbit)

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**2634-33-5 1,2-benzisothiazolin-3-one**

Oral	LD50	450 mg/Kg (ATE)
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- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation**  
No sensitizing effect known.  
Based on available data, the classification criteria are not met.
- **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.
- **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.

**SECTION 12: Ecological information****- 12.1 Toxicity****- Aquatic toxicity:****56-81-5 glycerol**

LC50 (96h)	>5,000 mg/L (Fish)
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- **12.2 Persistence and degradability** No further relevant information available.
- **Other information:** The product is biodegradable.
- **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:**  
According to the criteria of the EU-classification and labelling "dangerous for environment"(93/21/EWG) the substance/ the product has to be classified as non-hazardous for the environment.  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.  
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

**SECTION 13: Disposal considerations****- 13.1 Waste treatment methods****- Recommendation**

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

**- Uncleaned packagings:****- Recommendation:**

Packaging can be reused or recycled after cleaning.

Disposal must be made according to official regulations.

Dispose of packaging according to regulations on the disposal of packagings.

**- Recommended cleaning agent:** Water, if necessary with cleaning agent.**SECTION 14: Transport information****- 14.1 UN number or ID number****- ADR, ADN, IMDG, IATA**

Void

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- 14.2 UN proper shipping name - ADR, ADN, IMDG, IATA	Void
- 14.3 Transport hazard class(es) - ADR, ADN, IMDG, IATA - Class	Void
- 14.4 Packing group - ADR, IMDG, IATA	Void
- 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.
- Transport/Additional information:	Not dangerous according to the above specifications.

### SECTION 15: Regulatory information

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

1. Regulation (EC) 1907/2006 (UK REACH)
2. Regulation (EC) 1272/2008 (GB CLP)
3. Regulation (EU) 2020/878 (UK REACH Annex II)
4. Regulation (EC) 790/2009 (I ATP GB CLP)
5. Regulation (EU) 286/2011 (ATP GB CLP II)
6. Regulation (EU) 618/2012 (III ATP GB CLP)
7. Regulation (EU) 487/2013 (IV ATP GB CLP)
8. Regulation (EU) 944/2013 (V ATP GB CLP)
9. Regulation (EU) 605/2014 (VI ATP GB CLP)
10. Regulation (EU) 2015/1221 (VII ATP GB CLP)
11. Regulation (EU) 2016/918 (VIII ATP GB CLP)
12. Regulation (EU) 2016/1179 (IX ATP GB CLP)
13. Regulation (EU) 2017/776 (X ATP GB CLP)
14. Regulation (EU) 2018/669 (XI ATP GB CLP)
15. Regulation (EU) 2019/521 (XII ATP GB CLP)
16. Regulation (EU) 2018/1480 (XIII ATP GB CLP)
17. Regulation (EU) 2020/217 (XIV ATP GB CLP)
18. Regulation (EU) 2020/1182 (XV ATP GB CLP)
19. Regulation (EU) 2021/643 (XVI ATP GB CLP)
20. Regulation (EU) 2021/849 (XVII ATP GB CLP)
21. Regulation (EU) 2022/692 (XVIII ATP GB CLP)
22. Regulation (EU) 2023/1434 (XIX ATP GB CLP)
23. Regulation (EU) 2023/1435 (XX ATP GB CLP)
24. Regulation (EU) 2024/197 (XXI ATP GB CLP)

#### - Poisons Act

##### - Regulated explosives precursors

None of the ingredients is listed.

##### - Regulated poisons

None of the ingredients is listed.

##### - Reportable explosives precursors

None of the ingredients is listed.

##### - Reportable poisons

None of the ingredients is listed.

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- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **National regulations**
- **Classification according to VbF:** Void
- **Technical instructions (air):**

Class	Share in %
NK	31.0

- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

#### - **Relevant phrases**

- H302 Harmful if swallowed.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H330 Fatal if inhaled.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

#### - **Department issuing data specification sheet:** Ma-Fra Laboratories

#### - **Contact:** lab@mafra.it

#### - **Abbreviations and acronyms:**

- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning 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 Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- VbF: Verordnung über brennbare Flüssigkeiten, Österreich (Ordinance on the storage of combustible liquids, Austria)
- DNEL: Derived No-Effect Level (UK REACH)
- PNEC: Predicted No-Effect Concentration (UK REACH)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- ATE: Acute toxicity estimate values
- Acute Tox. 4: Acute toxicity – Category 4
- Acute Tox. 2: Acute toxicity – Category 2
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Dam. 1: Serious eye damage/eye irritation – Category 1
- Skin Sens. 1A: Skin sensitisation – Category 1A
- Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
- Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

#### - **\* Data compared to the previous version altered.**