



## PENTAVITIN

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

#### 1.1 Product Identifier

|              |   |
|--------------|---|
| Product Name | Pentavitin  |
| INCI         | Saccharide Isomerate (> 50%) & Aqua (25-50%) & Citric Acid (0.1-1%) & Sodium Citrate (0.1-1%) |
| Product Code | C5718   |
| CAS No.      | 100843-69-4 & 7732-18-5 & 77-92-9 & 68-04-2   |
| EINECS No.   | none & 231-791-2 & 201-069-1 & 200-675-3  |
| Use          | Personal Care   |

#### 1.2 Details of the supplier of the safety data sheet

|                      |  |
|----------------------|--|
| Supplier/Distributor | zielonyklub.pl   |
| Company              | Greenaction Sp. z o.o., ul. Śniadeckich 31, 25-366 Kielce, NIP: PL6571011247 |
| Contact              | tech@zielonyklub.pl  |

#### 1.3 Details of the supplier of the safety data sheet

|                   |  |
|-------------------|--|
| Emergency Contact | 112 (emergency), 998 (fire), 999 (ambulance), 42 631 47 24 (toxicological information in Poland) |
|-------------------|--|

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

|                               |  |
|-------------------------------|--|
| Classification (67/548/EEC)   | This product is not dangerous according to REACH Regulation 1907/2006.   |
| Classification (EU 1272/2008) | This product does not belong to any list of substances supposedly hazardous to human or animal health according to EU Regulation 1272/2008 & any further amendments, nor to those having recognized exposition limits. |

#### 2.2 Label elements

Label in accordance with Regulation (EC) No 1272/2008

|   |      |
|---|------|
| GHS Label:                              | None |
| Signal word:                            | None |
| Contains:                               | None |
| Hazard Statements:                      | None |
| Precautionary Statements:               | None |
| Supplementary Precautionary Statements: | None |
| Statements:                             | None |

#### 2.3 Other hazards

|                                    |      |
|------------------------------------|------|
| Adverse physio-chemical properties | None |
| Adverse effects on human health    | None |

### SECTION 3: Composition/information on ingredients

Mixture (preparation) containing active ingredients and auxiliary substances.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

|                     |  |
|---------------------|--|
| General Information | No hazards which require special first aid measures.   |
| Inhalation          | Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. If symptoms persist, call a physician.                   |
| Ingestion           | Rinse mouth with water and drink afterwards plenty of water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. |
| Skin Contact        | Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.  |
| Eye Contact         | Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing.  |

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

No specific symptoms known.

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

Treat symptomatically.



## PENTAVITIN

### SECTION 5: Fire fighting measures

#### 5.1 Extinguishing Media

Extinguishing media: Alcohol-resistant foam. Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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

None known.

#### 5.3 Advice for fire-fighters

In the event of fire, wear self-contained breathing apparatus. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions

N/A

#### 6.2 Environmental precautions

Try to prevent the material from entering drains or water courses.

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

Keep in suitable, closed containers for disposal.

#### 6.4 References to other sections.

Section 8 - Exposure controls/personal protection for further information on personal precautions.  
Section 13 - Disposal Considerations for further information on waste treatment.

### SECTION 7: Handling and Storage

#### 7.1 Precautions for safe handling

For personal protection see section 8. No special handling advice required.

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

Protect against light. Keep container tightly closed and dry. No special restrictions on storage with other products. Storage temperature 15 - 25°C.

#### 7.3 Specific end use(s)

N/A

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control Parameters

None

#### 8.2 Exposure Controls

|                       |   |
|-----------------------|---|
| Eye protection        | Safety glasses  |
| Hand protection       | Glove material for example nitrile rubber                       |
| Respiratory Equipment | No personal respiratory protective equipment normally required. |
| Body Protection       | Protective suit   |
| Hygiene Measures      | General industrial hygiene practice.                            |



## PENTAVITIN

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

|                              |   |          |
|------------------------------|---|----------|
| Appearance                   | Viscous, liquid   |          |
| Colour                       | Elear - light yellow - amber  |          |
| Odour                        | Sweet   |          |
| Odour Threshold              | No information available  |          |
| pH                           | No data available   |          |
| Melting point/range          | Not determined  | not dete |
| Boiling point/boiling range  | Not determined  |          |
| Flash point                  | > 100°C   |          |
| Evaporation rate             | Not determined  |          |
| Flammability (solid, gas)    | Not classified as supporting combustion according to the transport regulations. | Not clas |
| Lower explosion limit        | Not determined  |          |
| Upper explosion limit        | Not determined  |          |
| Vapour pressure              | Not determined  |          |
| Relative vapour density      | Not applicable  |          |
| Density                      | Not determined  |          |
| Water solubility             | Soluble   |          |
| Solubility in other solvents | Oils and fats: insoluble  |          |
| Partition coefficient        | Not applicable octanol/water  |          |
| Autoignition temperatura     | No data available   |          |
| Ignition temperatura         | Not determined  |          |
| Thermaldecomposition         | No data available   |          |
| Viscosity, dynamic           | Not determined  |          |
| Explosive properties         | No data available   |          |
| Oxidizing properties         | No data available   |          |

#### 9.2 Other information

N/A

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

Stable under the recommended handling and storage conditions.

#### 10.2 Chemical stability

Stable under the recommended handling and storage conditions.

#### 10.3 Possibility of hazardous reactions

No

#### 10.4 Conditions to avoid

Heat

#### 10.5 Incompatible materials

Concentrated acids, alkalis & oxidising agents

#### 10.6 Hazardous decomposition products

This product does not decompose under normal conditions.



## PENTAVITIN

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects.

|   |  |
|---|--|
| Acute oral toxicity:                            | LD50 (rat): > 2 000 mg/kg                                      |
| Skin corrosion / irritation:                    | No skin irritation, no phototoxic skin reaction                |
| Serious eye damage/irritation:                  | No eye irritation  |
| Respiratory or skin sensitisation:              | Did not cause sensitization. No photoallergenic skin reaction. |
| Germ cell mutagenicity<br>Genotoxicity in vitro | Not mutagenic (Ames test, OECD Test Guideline 471)             |
| Carcinogenicity:                                | N/A  |
| Reproductive toxicity:                          | N/A  |
| STOT-single exposure:                           | N/A  |
| STOT-repeated exposure:                         | N/A  |
| Aspiration hazard:                              | N/A  |
| Other information:                              | N/A  |

### SECTION 12: Ecological information

#### 12.1 Toxicity

No data is available on the product itself.

#### 12.2 Persistence and degradability

No data available

#### 12.3 Bioaccumulation potential

No data available

#### 12.4 Mobility in soil

No data available

#### 12.5 Results of PBT and VPVB assessment

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

#### 12.6 Other adverse effects

None

### SECTION 13: Disposal considerations

#### 13.1 Waste Treatment Methods

Offer surplus and non-recyclable solutions to a licensed disposal company. Empty containers should be taken to an approved waste handling site for recycling or disposal.

### SECTION 14: Transport information

|                      |  |
|----------------------|--|
| Warning Icon         | Road (ADR), Rail (RID), Sea (IMDG) and Air (ICAO) transport not restricted in drums or food tanks. |
| Proper Shipping Name | None   |
| UN No. Road          | None   |
| ADR Class            | None   |
| Hazard No (ADR)      | None   |
| Hazchem Code         | None   |
| UN No. SEA           | None   |
| IMDG Class           | None   |
| IMDG Pack Gr.        | None   |
| EMS                  | None   |
| UN No. AIR           | None   |
| Air Class            | None   |
| Air Pack Gr.         | None   |



## PENTAVITIN

### SECTION 15: Regulatory information

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

|                     |   |
|---------------------|---|
| NFPA Classification | Health hazard:0<br>Fire Hazard: 1<br>Reactivity Hazard: 0 |
|---------------------|---|

#### 15.2 Chemical safety assessment

Not applicable

### SECTION 16: Other information

#### Abbreviations and acronyms:

|                         |   |
|-------------------------|---|
| MSDS                    | Material Safety Data Sheet  |
| INCI                    | International Nomenclature of Cosmetic Ingredients  |
| CAS                     | Chemical Abstract Service   |
| IMDG                    | International Maritime Code for Dangerous Goods   |
| ADR                     | Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) |
| RID                     | International Carriage of Dangerous Goods by Rail   |
| ICAO                    | International Civil Aviation Organization   |
| ADN                     | International Carriage of Dangerous Goods by Inland Waterways   |
| GHS                     | Globally Harmonized System of Classification and Labelling of Chemicals   |
| Trem Card               | Transport Emergency Card  |
| STOT                    | Specific Target Organ Toxicity  |
| N/A                     | Not Available   |
| Risk Phrases in full:   | N/A   |
| Safety Phrases in full: | N/A   |

#### Disclaimer:

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