

# SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 and Commission Regulation (EU)  
No. 830/2015



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Revision date:		Replaces version:	-		
Product name:	<b>ETERNAL MAT REVITAL</b>				

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

1.1	Product identifier:	<b>ETERNAL MAT REVITAL</b>
1.2	Relevant identified uses of the substance or mixture and uses advised against:	
1.2.1	Relevant identified use:	
	Life cycle phases:	PW (wide use by professionals - basic) C (consumer use)
	Usage Name:	SU0
	Other usage description:	coating material
	Market description:	PC9a; PC15
	Name of Contributing Activity:	roller or brush application non-industrial spraying techniques
	Contributing activity description:	PROC10 PROC11
	More information:	technical function of the product in coating material this use: quantity to be used: 10 - 100 t / yr Regulatory status by use: No a limited number of devices for this use: No the subsequent period of application relevant to this use: 24 months an overview of environmental release categories for each life cycle stage: ERC2; ERC8c; ERC8f; ERC10a; ERC11a supplied as a mixture
1.2.2	Uses advised against:	all other uses
1.3	Details of the supplier of the safety data sheet:	
	Producer and supplier:	<b>AUSTIS a. s.</b>
	Address:	<b>K Austisu 680, 154 00 PRAHA 5 - Slivenec</b>
	Telephone number:	<b>+420 251 099 111</b>
	Fax:	<b>+420 251 099 112</b>
	e-mail:	<a href="mailto:austis@austis.cz">austis@austis.cz</a>
1.4	Emergency telephone number:	+420 251 099 247 +420 602 331 922
	Centre of the Toxicologically information Na Bojišti 1, 120 00 Prague 2, CZ	<b>Tel.: +420 224 919 293</b>

## 2. Section 2: Hazard identification

2.1	Classification of the substance or mixture	
	Classification under Regulation 1272/2008/EU	The mixture is not classified as dangerous
2.2	Label elements	
	Symbols:	Not Assigned
	Signal word:	Not Assigned
	It contains a hazardous substance:	Not Assigned
	Hazard Statement:	Not Assigned
	Precautionary Statement:	Not Assigned
2.3	Other hazards:	The mixture does not meet the criteria for classification as PBT or vPvB.
	Other risks:	EUH208: It contains a reaction mixture: CMIT/MIT (3:1) [Index number: 613-167-00-5]. May cause an allergic reaction.

**3. Section 3: Composition / information on ingredients**

A mixture of an aqueous dispersion of acrylic resins, pigments, fillers and additives

3.2 Mixtures

Chemical name:	2-butoxyetanol	Mixture CMIT/MIT (3:1)
Content [%]:	≤ 0,5	< 0,0015
Index number:	603-014-00-0	613-167-00-5
CAS:	111-76-2	55965-84-9
EC number (EINECS):	203-905-0	Not Assigned
REACH Registration number:	01-2119475108-36-00XX	Not Assigned
Classification according to Directive 1272/2008/EU:	Acute Tox. 4; H332 Acute Tox. 4; H312 Acute Tox. 4; H302 Eye Irrit. 2; H319 Skin Irrit. 2; H315	Acute Tox. 3(*); H331 Acute Tox. 3(*); H311 Acute Tox. 3(*); H301 Skin Corr. 1B; H314 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410
Specific concentration limits, M-factors:	Not Assigned	Skin Corr. 1B; H314: C ≥ 0,6 % Skin Irrit. 2; H315: 0,06 % ≤ C < 0,6 % Eye Irrit. 2; H319: 0,06 % ≤ C < 0,6 % Skin Sens. 1; H317: C ≥ 0,0015 %
	Established Exposure limit EH40/2005 (WELs)	

Full text of H - phrases in Section 16

**4. Section 4: First aid measures**

4.1 Description of first aid measures

When providing first aid it is necessary to ensure safety of both victim and person rescuing. It is necessary to avoid chaotic behavior. Victim must be kept in mental and physical rest. Victim must be kept warm and must not get chilled. Take original container with label or safety data sheet with information about substance or mixture with you in case of medical examination.

Inhalation: Break exposure, move to fresh air protecting the victim from cold. Provide medical treatment especially if coughing, shortness of breath or other symptoms persist.

Skin contact: Take off contaminated clothing. If possible wash the affected area with plenty of lukewarm water. If skin is not injured you can use soap, shampoo or soap solution especially if skin irritation persists.

Eye Contact: Rinse eyes with plenty of water (10 to 15 min). Keep eyes open (even by force if necessary). If the victim is wearing contact lenses remove them immediately. Seek medical attention.

Ingestion: Do not induce vomiting! Drink at least 0.5 liters of water with 5 to 10 tablets of crushed charcoal. In case of nausea contact the Toxicology Information Centre for need of medical treatment with information about composition of the mixture from the original container or SDS.

4.2 Most important symptoms and effects, both acute and delayed

The product may have adverse effects through inhalation and if swallowed. It can irritate skin, mucous membranes and eyes.

4.3 Indication of any immediate medical attention and special treatment needed: Symptomatic treatment

**5. Section 5: Fire-fighting measures**

5.1 Extinguishing media

Suitable extinguishing media: The product is not inflammable. Water spray (water mist), foam, carbon dioxide, dry powder.

Unsuitable extinguishing media: The strong water current. It can be spread fire.

5.2 Special hazards arising from the substance or mixture: Burning may produce carbon monoxide.

5.3 Advice for firefighters: wear a breathing apparatus and protective clothing.

**6. Section 6: Accidental release measures**

6.1 Personal precautions, protective equipment and emergency procedures: Appropriate protective gloves, goggles, appropriate clothing, or respirator.

6.2 Environmental precautions: Prevent environmental pollution - leakage into drains, surface water, groundwater or soil.

6.3 Methods and material for containment and cleaning up: Anchor suitable absorbent, transfer to the disposal of the authorized person.

6.4 Reference to other sections: See also section 7., 8. and 13.

- 7. Section 7: Handling and storage**
- 7.1 Precautions for safe handling: Workers coming into contact with the product must be familiar with rules of safety and health at work and must comply with these rules. Do not eat, drink or smoke in the workplace, after using the product, wash hands before entering dining areas to defer contaminated clothing and protective equipment. Prevent pollution of the environment - leakage into drains, surface water, groundwater or soil.
- 7.2 Conditions for safe storage including any incompatibilities: Store in original sealed containers at temperatures from +5 to +25 °C, do not expose temperatures below 0 °C not even for a short time. Avoid contact with oxidizing agents, strong acids and bases. Do not store along with food, beverages and feed. The product is a non-flammable liquid.
- 7.3 Specific final usage: See Subsection 1.2; coating procedures and recommendations are listed in the product data sheet or in another folder.

**8. Section 8: Exposure controls / personal protection**

- 8.1 Control parameters:
- Exposure limits EH40/2005 (WELs):
- |   |                        |
|---|------------------------|
| Chemical name:  | <b>2-butoxyethanol</b> |
| CAS:  | 111-76-2               |
| Long-term exposure limit [mg/m <sup>3</sup> ] (TWA/8 h)   | 123 (25 ppm)           |
| Short-term exposure limit [mg/m <sup>3</sup> ] (15 minut) | 246 (50 ppm)           |
- 2-butoxyethanol [ES: 203-905-0]:**
- |   |   |
|---|---|
| DNEL (Workers, Hazard via inhalation route, Systemic effects, Long term exposure)                   | 98 mg/m <sup>3</sup>                      |
| DNEL (Workers, Hazard via inhalation route, Systemic effects, Acute/short term exposure)            | 1091 mg/m <sup>3</sup>                    |
| DNEL (Workers, Hazard via inhalation route, Local effects, Long term exposure)                      | 246 mg/m <sup>3</sup> (respiratory tract) |
| DNEL (Workers, Hazard via dermal route, Systemic effects, Long term exposure)                       | 125 mg/kg bw/day                          |
| NOAEL (Workers, Hazard via dermal route, Systemic effects, Long term exposure)                      | 150 mg/kg bw/day                          |
| DNEL (Workers, Hazard via dermal route, Systemic effects, Acute/short term exposure)                | 89 mg/kg bw/day                           |
| DNEL (General Population, Hazard via inhalation route, Systemic effects, Long term exposure)        | 59 mg/m <sup>3</sup>                      |
| DNEL (General Population, Hazard via inhalation route, Systemic effects, Acute/short term exposure) | 426 mg/m <sup>3</sup>                     |
| DNEL (General Population, Hazard via inhalation route, Local effects, Long term exposure)           | 147 mg/m <sup>3</sup> (respiratory tract) |
| DNEL (General Population, Hazard via dermal route, Systemic effects, Long term exposure)            | 75 mg/kg bw/day                           |
| NOAEL (General Population, Hazard via dermal route, Systemic effects, Long term exposure)           | 150 mg/kg bw/day                          |
| DNEL (General Population, Hazard via dermal route, Systemic effects, Acute/short term exposure)     | 89 mg/kg bw/day                           |
| DNEL (General Population, Hazard via oral route, Systemic effects, Long term exposure)              | 6,3 mg/kg bw/day                          |
| DNEL (General Population, Hazard via oral route, Systemic effects, Acute/short term exposure)       | 26,7 mg/kg bw/day                         |
| PNEC aqua (freshwater)  | 8,8 mg/L                                  |
| PNEC aqua (marine water)  | 0,88 mg/L                                 |
| PNEC STP  | 463 mg/L                                  |
| PNEC sediment (freshwater)  | 34,6 mg/kg sediment dw                    |
| PNEC sediment (marine water)  | 3,46 mg/kg sediment dw                    |
| PNEC soil   | 2,33 mg/kg soil dw                        |
| PNEC oral (Hazard for predators)  | 0,02 g/kg food                            |
- 8.2 Exposure controls
- Ensure adequate ventilation. Ensure protective equipment is worn while working with the product. Contaminated work clothes can be reused after thorough cleaning. Wash your hands and face with soap and water after use. Do not eat, drink or smoke while working with the product.
- 8.2.1 Appropriate engineering controls: Observe the usual precautions to protect the health and well-ventilated.
- 8.2.2 Individual protection measures, such as personal protective equipment:

Occupational exposure is governed by Directive 89/686/EEC therefore any use of personal protective equipment must be in accordance with this Regulation.

Eye protection: Suitable protective goggles (EN 166), a face shield.

Skin protection: Normal protective clothing with long sleeves, contaminated clothing postpone, skin washed with soap and water.

Hand protection: protective gloves (rubber - according to EN 374), after work wash hands with soap and water, apply the repair lotion.

Respiratory protection: When adequate ventilation is not required. When spraying a face mask is recommended for filtration of gas (EN 405) or quarter masks with gas filter (EN 140, EN 141).

8.2.3 Environmental exposure controls: Avoid infiltration of surface and groundwater and soil.

## 9. Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:	viscous liquid, color shown on the cover
Odour:	characteristic of acrylic dispersion
Odor threshold:	Not specified
pH (at 23 °C):	8,5 - 10,0
Melting point/freezing point (°C)	approximately 0
Initial boiling point and boiling range (°C):	approximately 100
Flash-point:	Not specified
Flammability:	non-flammable liquid
Evaporation rate:	Not specified
Upper/lower flammability or explosive limits:	Not specified
Vapour pressure:	2,3 kPa (20 °C)
Vapour density:	Not specified
Relative density:	approximately 1,25 - 1,30 g.cm <sup>-3</sup> (2)
Solubility:	unlimited miscibility with water
Partition coefficient n - octanol/water:	Not specified
Auto-ignition temperature:	Not specified
Decomposition temperature:	Not specified
Viscosity:	Not specified
Explosive properties:	Not specified
Oxidising properties:	Not specified

9.2 Other information:

VOC (g/L)	45
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## 10. Section 10: Stability and reactivity

Product is stable under recommended storage and handling conditions.

10.1 Reactivity: Product is not reactive under recommended storage and handling conditions.

10.2 Chemical stability: Product is stable under recommended storage and handling conditions.

10.3 Possibility of hazardous reactions: In case of contact with substances reacting dangerously with water.

10.4 Conditions to avoid: Temperatures below 0 °C and above 100 °C cause degradation of the product. Temperatures above recommended storage temperature reduce life of the product.

10.5 Incompatible materials: Substances reacting with water.

10.6 Hazardous Decomposition Products: Carbon monoxide may form during burning.

## 11. Section 11: Toxicological information

11.1 Information on toxicological effects:

Acute toxicity:

- LD <sub>50</sub> , oral, rat (mg.kg <sup>-1</sup> ):	Not set
- LD <sub>50</sub> , dermal, rat or rabbit (mg.kg <sup>-1</sup> ):	Not set
- LC <sub>50</sub> , inhalation, rat, for aerosols or particles (mg.kg <sup>-1</sup> ):	Not set
- LC <sub>50</sub> , inhalation, rat, for gases and vapours (mg.kg <sup>-1</sup> ):	Not set
corrosion / irritation for the skin	not classified
serious eye damage / irritation:	not classified
respiratory / skin sensitization:	not classified
Mutagenesis:	not classified
Carcinogenicity:	not classified

	Toxicity for reproduction:	not classified
	Specific target organ toxicity - single exposure / repeated exposure:	not classified
	Aspiration hazard:	not classified
	Human experience:	No detrimental effects were found upon compliance with the prescribed safety measures.
	Tests on animals:	Were not performed
	Additional data:	None
<b>12.</b>	<b>Section 12: Ecological information</b>	
12.1	Toxicity	
	Acute toxicity for water organisms:	
	- LC <sub>50</sub> , 96 hours, fish (mg/kg):	Not set
	- LC <sub>50</sub> , 48 hours, fish (mg/kg):	Not set
	- IC <sub>50</sub> , 72 hours, algae (mg/kg):	Not set
12.2	Persistence and degradability:	Not set
12.3	Bioaccumulative potential:	Not set
12.4	Mobility in soil:	It was not determined, the blend is miscible with water.
12.5	Results of PBT and vPvB	The mixture does not meet the criteria for classification as PBT or vPvB.
12.6	Other adverse effects:	See Section 2
12.7	Additional data:	The product must not leak to surface and groundwater. Notify competent authorities immediately in case of accident.
<b>13.</b>	<b>Section 13: Disposal considerations</b>	
13.1	Methods of waste management:	
	a) Appropriate methods of substance, mixture and contaminated packaging disposal: Product remnants and packaging with product remnants must be incinerated in a hazardous waste incinerator or kept at a hazardous waste landfill.	
	b) Physical / chemical properties that can affect means of waste handling: Liquid mixture is completely miscible with water.	
	c) Avoidance of disposal through sewer: It is necessary to prevent leakage of both components and hardened mixture into drains.	
	d) Special precautions for the recommended waste management: Avoid contact with skin and eyes.	
<b>14.</b>	<b>Section 14: Transport information</b>	
14.1	UN Number:	Not specified
	Required shipping label:	
	ADR/RID	Not specified
	IMDG:	Not specified
	ICAO/IATA	Not specified
14.2	Proper name of the United Nations for the shipment	
	ADR/RID:	Not specified
	IMDG:	Not specified
	ICAO/IATA:	Not specified
14.3	Transport hazard class(es):	
	ADR/RID	Not specified
	IMDG	Not specified
	ICAO/IATA	Not specified
14.4	Packing group:	
	ADR/RID	Not specified
	IMDG	Not specified
	ICAO/IATA	Not specified
14.5	Environmental hazards:	Not specified
14.6	Special precautions for user:	See Section 8
	Special provisions (ADR):	Not specified
14.7	Bulk transport as set out in Annex II of the Convention MARPOL 73/78 and the IBC Code:	Not applicable
14.8	Notes:	None
14.9	Additional data:	None

**15. Section 15: Regulatory information**

- 15.1 Regulations relating to safety, health and environmental regulations / legislation specific to the substance or mixture:  
Regulation of the European Parliament and Council Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals establishing a European Chemicals Agency, as amended  
Regulation of the European Parliament and Council Regulation (EC) No 1272/2008 (CLP) as amended  
Commission Regulation (EU) No 830/2015  
EH40/2005 Workplace exposure limits (second edition, published 2011). Containing the list of workplace exposure limits for use with the Control of Substances Hazardous to Health Regulations (as amended)
- 15.2 Assessment chemical safety of mixture: Were not performed

**16. Section 16: Other informations**

Information stated in this safety data sheet is based on the current knowledge of EU legislation. It is recommendation in terms of health and safety as well as recommendation related to ecological matters that are essential to safe usage of the product.  
Initial data sources are safety data sheets of the inherent (components).

**List of H-phrases, whose full text is not specified in other sections:**

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

**Guidelines for training:**

As required by national legislation.

**Recommended restrictions on use (i. e. non-statutory recommendations by supplier):**

Product should not be used for other purposes than specified (see section 1.2). Because specific conditions of use are beyond supplier's control it is responsibility of the user to adapt notifications to local law and regulations. Safety information describe the product with regard to safety and can not be considered technical information about the product.

**Abbreviations:**

LD <sub>50</sub>	The lethal dose for 50 % mortality of the test population relative to a control sample.
LC <sub>50</sub>	Lethal concentration for 50 % mortality of the test population relative to a control sample.
EC <sub>50</sub>	Effective concentration for 50 % mortality of the test population relative to a control sample.
EC <sub>10</sub>	Effective concentration for 10 % mortality of the test population relative to a control sample.
IC <sub>50</sub>	Inhibitory concentration to reduce the growth or growth rate of 50% of the test population relative to a control sample.
LL <sub>50</sub>	Lethal loading doses of test substance resulting in 50% mortality
EL <sub>50</sub>	Effective loading doses of test substance resulting in 50% mortality
PBT	Persistent, bioaccumulative and toxic substances.
vPvB	Very persistent and very bioaccumulative substances.
DNEL	Derived No Effect Level - derived concentration of the substance without adverse effects
DMEL	Derived Minimum Effect Level - derived minimum level at which the adverse effects
NOAEL	No Observed Adverse Effect Level - no negative effect was observed
PNEC	Predicted No Effect Concentration - an estimate of the concentration of the substance without adverse effects
NOELR	No Observed Effect Loading Rate - dosage rate without observed effect
NOEC	No Observed Effect Concentration - concentration without observed effect
NOEL	No Observed Effect Level - level without observed effect
LOEC	Lowest Observed Effect Concentration - lowest concentrations with observable effects
ADR	European Agreement concerning the international carriage of dangerous goods by road.

RID Regulations concerning the international carriage of dangerous goods by rail.  
IMDG International maritime code of dangerous goods.  
ICAO The International Civil Aviation Organization.  
IATA International Air Transport Association.  
GHS Globally Harmonized System of Classification and Labelling of Chemical substances.

First edition.