SAFETY DATA SHEET

according to regulation of Europian parliament and Council (ES) number 1907/2006 according Committee regulation (EU) number 878/2020



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Revision date: Replaces version:

ETERNAL MAT REVITAL Product name:

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

1.1 Product identifier: **ETERNAL MAT REVITAL**

The product is not a nanoform, nor does it contain any nanoforms.

UFI code: not relevant

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

Contributing Activity Name: roller or brush application

non-industrial spraying techniques

Contributing activities descriptor: PROC10

PROC11

More information: technical function of the product in coating material

this use:

10 - 100 t / yr quantity to use:

Regulatory status by use: a limited number of devices for Nο

this use:

the subsequent period of use 24 months

relevant to this use:

ERC2; ERC8c; ERC8f; ERC10a; an overview of environmental FRC11a

release categories for each life

cycle stage:

supplied as a mixture

1.2.2 Uses advised against: all other uses

Details of the supplier of the safety data sheet:

Producer and supplier: AUSTIS a. s.

Adress: K Austisu 680, 154 00 PRAHA 5 - Slivenec

Telephone number: +420 251 099 111 Fax: +420 251 099 112 austis@austis.cz e-mail

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2. Section 2: Hazard identification

2.1 Classification of the substance or mixture

> Classification under Regulation 1272/2008/EU not classified

2.2 Label elements

> Symbols: No symbols is used Signal word: No signal word is used

It contains a hazardous substance: Not Assigned Hazard Statement: Not Assigned Precautionary Statement: Not Assigned

2.3 Other hazards: The mixture does not meet criteria to be classified as PBT or vPvB

substances. The mixture is not endocrine disruptor, nor does it

contain any.

Other risks: EUH208: It contains a reaction mixtue: CMIT/MIT (3:1) [Index

number: 613-167-00-5]. May cause an allergic reaction.

Section 3: Composition / information on ingredients

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

Mixtures

Chemical name: Content [%]: Index number:

CAS:

EC number (EINECS):

REACH Registration number:

Classification according to Directive 1272/2008/EU:

< 0,0015 ≤ 0.5 603-014-00-0 613-167-00-5 111-76-2 55965-84-9 203-905-0 911-418-6

Mixture CMIT/MIT (3:1)

01-2119475108-36-00XX 01-2120764691-48-0XXX Acute Tox. 3; H331 Acute Tox 2: H330

Acute Tox. 4: H302 Acute Tox. 2: H310 Eye Irrit. 2; H319 Acute Tox. 3; H301 Skin Irrit. 2: H315 Skin Corr. 1C: H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Acute 1; H400

2-butoxyethanol

Aquatic Chronic 1; H410 **EUH071**

Specific concentration limits, M-factors: inhalation: Skin Corr. 1C; H314: C ≥ 0,6 %

ATE = 3 mg/l (vapour) Eve Dam. 1: H318: C ≥ 0.6 %

Skin Irrit. 2; H315: oral:

ATE = 1 200 mg/kg bw $0.06 \% \le C < 0.6 \%$ Eye Irrit. 2; H319: $0.06 \% \le C < 0.6 \%$ Skin Sens. 1A; H317: C ≥ 0,0015 %

M = 100 (acute) M = 100 (chronic)

Established Exposure limit EH40/2005 (WELs)

This mixture contains ≥ 1 % titanium dioxide. The classification of titanium dioxide according to Annex VI (as per Regulation (EC) No 1272/2008 of the European Parliament and of the Council) does not

apply to this mixture according to Note 10.

Full text of H - phrases in Section 16

Section 4: First aid measures

Note:

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.

When on skin: Put away contaminated clothes and shoes, wash the contaminated spot with plenty of tepid water; if the skin is not irritated, soap can be used; seek doctor's advice, especially if the skin stays irritated.

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

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 Specific danger linked to the substance or mixture: Carbon monoxide and dioxide and carbon black can be produced while burning.
- 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.
- 6.1.1 For workers except for those intervening in emergency cases - instructions in case of accidental spill and leak of substance or mixture:
 - a) use of appropriate protection (including personal protective equipment according to part 8 BL), in order to avoid any skin, eyes or personal clothing contamination;

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- b) removing possible sources of ignition, providing proper ventilation, control of dust not relevant
- c) emergency measures, for example necessary evacuation from dangerous area or consultation with an expert not relevant
- 6.1.2 For workers intervening in emergency cases instructions for appropriate materials of personal protective suits (see part 8 BL)
- 6.2 Environmental precautions: Prevent environmental pollution - leakage into drains, surface water, groundwater or soil.

- 6.3 Methods and materials for limitation of leaks and for cleaning:
- 6.3.1 Instructions for leak limitation of spilled substance or mixture
 - a) enclose the spilled mixture, cover the canalization;
 - b) seal the damaged package
- 6.3.2 Instructions for removal of spilled substance or mixture

Absorb with appropriate agent, hand over to authorized person for disposal.

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

7. Section 7: Handling and storage

7.1 Measures for safe manipulation:

7.1.1 Recomendations:

- a) Workers handeling the product have to get familiar with health and safety rules for work and have to obey these rules. Secure escape routs (enclosing of leaked mixture, sealing of demaged packages and so on), for fire prevention (remove ignition sources, non-sparkling tools and so on) and limit the production of aerosol and dust.
- b) Obey measures for prevention of manipulation with incompatible substances or mixtures (see part 10) in common areas.
- c) Store in original closed packages in temperature from +5 to +25 °C, do not expose to temperature under 0 °C (not even in short term). Do not expose to direct sunlight or other heat sources.
- d) Prevent the contamination of environment, i.e. leak into canalization, surface or underground water and soil.
- 7.1.2 Instructions for general hygiene of work:
 - a) Do not eat, drink or smoke on work areas.
 - b) After working with product wash your hands with soap and water, eventualy use regeneration hand cream.
 - c) Before entering dining areas, remove contaminated clothing and protective equipment.
- 7.2 Conditions for safe storage of substances and mixtures including incompatible substances and mixtures: Store in dry and well-ventilated storages in original closed packages in temperatures from +5 to +25 °C, do not expose to temperature under 0 °C (not even in short term). Do not expose to direct sunlight or other heat sources. Prevent any contact with oxidazing substances, strong acids and bases. Do not store with food, drinks and feed. The product is not a flamable liquid according to ČSN 65 0201.
- 7.3 Specific end use: see part 1.2; coating procedure and recomendations are listed in technical list of the product, or in other product documentation

8. Section 8: Exposure controls / personal protection

8.1 Control parameters:

Exposure limits EH40/2005 (WELs):

Chemical name: 2-butoxyethanol

CAS: 111-76-2
Long-term exposure limit [mg/m³] (TWA/8 h) 123 (25 ppm)
Short-term exposure limit [mg/m³] (15 minut) 246 (50 ppm)

2-butoxyethanol [ES: 203-905-0]:

DNEL (Workers, Hazard via inhalation route, Systemic effects, Long term 98 mg/m³

exposure)

DNEL (Workers, Hazard via inhalation route, Systemic effects, 1091 mg/m³

Acute/short term exposure)

DNEL (Workers, Hazard via inhalation route, Local effects, Long term 246 mg/m³ (respiratory tract)

exposure)

DNEL (Workers, Hazard via dermal route, Systemic effects, Long term 125 mg/kg bw/day

exposure)

NOAEL (Workers, Hazard via dermal route, Systemic effects, Long term 150 mg/kg bw/day

exposure)

DNEL (Workers, Hazard via dermal route, Systemic effects, Acute/short 89 mg/kg bw/day

term exposure)

DNEL (General Population, Hazard via inhalation route, Systemic effects, 59 mg/m³

Long term exposure)

DNEL (General Population, Hazard via inhalation route, Systemic effects, 426 mg/m³

Acute/short term exposure)

DNEL (General Population, Hazard via inhalation route, Local effects, 147 mg/m³ (respiratory tract)

Long term exposure)

DNEL (General Population, Hazard via dermal route, Systemic effects, 75 mg/kg bw/day

Long term exposure)

NOAEL (General Population, Hazard via dermal route, Systemic effects, 150 mg/kg bw/day

Long term exposure)

DNEL (General Population, Hazard via dermal route, Systemic effects, 89 mg/kg bw/day

Acute/short term exposure)

DNEL (General Population, Hazard via oral route, Systemic effects, Long 6,3 mg/kg bw/day

term exposure)

DNEL (General Population, Hazard via oral route, Systemic effects, 26,7 mg/kg bw/day

Acute/short term exposure)

 PNEC aqua (freshwater)
 8,8 mg/L

 PNEC aqua (marine water)
 0,88 mg/L

 PNEC STP
 463 mg/L

PNEC sediment (freshwater)

PNEC sediment (marine water)

34,6 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.

- a) Eyes and face protection: Suitable safety goggles (EN 166), face shiled.
- b) Skin protection: Common safety clothing with long sleave and shoes; take of the contaminated clothing and wash your skin with soap and water.
- b-1) Hands protection: suitable protective gloves (made from rubber according to EN 374), wash your hands with soap and water after work,
- c) Airways protection: with proper area ventilation not required. When spraying, face half-shiled is recomended for gass filtration (EN 405) or quarter-shiled with gass filter (EN 140, EN 141).
- d) Heat hazard: Special attention must be paid to construction of personal protective measures, when specifying protective measures for protection against materials, which are considered to be heat hazard. Not relevant for this product.
- 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

a) State viscous liquid
b) Color color shown on the cover

b) Color color shown on the cover characteristic of acrylic dispersion

c) Odour: characteristic of acrylic dispersion
Odor threshold: Not specified

d) Melting/Freezing point (temperature range) (°C): approximately 0
e) Boiling point or initial boiling point and boiling range (°C) approximately 100

f) Combustibility:

g) Explosion limints: upper limit (% volume):

Not specified

lower limit (% volume):

h) Point of ignition:

i) Temperature of self-ignition:

Not specified

Not specified

Not specified

Not specified

Not specified

Not specified

k) pH (23 °C) 8,5 - 10,0

I) Kinematic viscosity: Not specified

m) Solubility (23 °C)

- with water: unlimited miscibility
- with fats: Not specified

n) Partition coefficient n - octanol/water:

Not specified
o) Steam pressure (20 °C):

2,3 kPa

p) Density and/or relative density (20 °C): approximately 1,25 - 1,30 g.cm⁻³

q) Relative viscosity of steam (at °C):

Not specified

Not specified

r) Particles characteristics: 9.2 Other information:

9.2.1 Information about class of physical hazard: is not relevant

9.2.2 Other safety characteristics

Evaporation rate:Not specifiedDynamic viscosity:Not specifiedExplosive properties:Not specifiedOxidizing properties:Not specified

VOC (g/L): 45

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 and dioxide and carbon black may form during burning.

11. Section 11: Toxicological information Information about hazard classes acording to (ES) č. 1272/2008 11.1 a) acute toxicity: the classification cirteria are not met based on avilable information. - LD₅₀, oral, rat (mg.kg⁻¹): the classification cirteria are not met based on avilable information - LD₅₀, dermal, rat or rabbit (mg.kg⁻¹): the classification cirteria are not met based on avilable information - LC₅₀, inhalation, rat, for aerosols or particles (mg.kg⁻¹): the classification cirteria are not met based on avilable information. - LC₅₀, inhalation, rat, for gases and vapours (mg.kg⁻¹): the classification cirteria are not met based on avilable information b) corrosivity/skin irritation: the classification cirteria are not met based on avilable information. c) serious eye damage / eyes irritation: the classification cirteria are not met based on avilable information d) sensitivity of airways / sensitivity of skin: the classification cirteria are not met based on avilable information e) germ cells mutagenicity: the classification cirteria are not met based on avilable information f) carcinogenicity: the classification cirteria are not met based on avilable information g) toxicity for reproduction: the classification cirteria are not met based on avilable information. h) toxicity for specific organs - single exposure: the classification cirteria are not met based on avilable information i) toxicity for specific organs - multiple exposures: the classification cirteria are not met based on avilable information j) hazards while inhaled: the classification cirteria are not met based on avilable information Human experience: No detrimental effects were found upon compliance with the prescribed safety measures. Tests on animals: Were not performed 11.1.1 Information for each hazard class or breakdown: see above 11.1.2 Toxicological properties of mixture not avilable 2-butoxyethanol [ES: 203-905-0] see part 8 11.1.3 If enough information from substance/mixture trials exist, it might be not relevant necessary to sum up results of used studies, for example according to exposure run 11.1.4 If the classification criteria are not met for specific hazard class, relevant concentration limits were not exceeded information explaining the justification should be stated. 11.1.5 Information about likely exposure run no effects on human health are known 11.1.6 Symptoms corresponding to physical, chemical and toxicological features no effects on human health are known 11.1.7 Belated and immediate effects and chronical effects of short/long term no effects on human health are known exposure 11.1.8 Interactive effects unknown 11.1.9 Lack of specific data not relevant 11.1.1(Mixtures see part 8 11.1.1' Mixtures information compared to substance information 1) Substances in the mixture can react with each other inside of a body and can cause different levels of absorption, metabolism and secretion. 2) It is necessary to consider, if concentration of each substance is sufficient to contributeto mixture's effects on health. For each substance a) if the information are doubled, they are listed only once for a Not relevant for this mixture. substance as a whole, for example when two different substances are causing vomiting and diarrhea; b) if it is not likely the effects will appear with current concentrations, for Not relevant for this mixture. example when weak irritating substance is disolved in non-irritating solution to a level under certain concentration; c) if the information about mutual effects of substances in the mixture are see part 8 unavilable, no assumptions will be listed and instead effects on healtf of each substance will be listed. 11.1.12 Other information 11.2 Other hazards information 11.2.1 Features causing disruption of endocrinal systém Not relevant for this mixture. 11.2.2 Additional data: None 12. Section 12: Ecological information 12.1 Toxicity Acute toxicity for water organisms: - LC₅₀, 96 hours, fish (mg/kg): Not set - LC₅₀, 48 hours, fish (mg/kg): Not set

- IC₅₀, 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. Features causing disruption of endocrinal systém Unknown for this mixture Other adverse effects: See Section 2 12.7

The product must not leak to surface and groundwater. Notify competent authorities immediately in case of accident.

13. Section 13: Disposal considerations

13.1 Methods of waste management:

(a) Appropriate methods of disposal of the substance or mixture and contaminated packaging: Risk of environmental contamination, follow the Waste Act (as amended) and the applicable Waste Disposal Regulations (as amended). Place the unused product and contaminated packaging in marked waste collection containers and hand it over for disposal to an authorised waste disposal person (specialised company) authorised to do so. Do not dispose of unused product down the drain. It must not be disposed of with municipal waste. Empty packaging may be used for energy recovery in a waste incinerator (except for metal) or disposed of in a landfill of the appropriate classification. Completely cleaned packaging may be handed over for recycling. Always comply with the relevant national legislation!

- Translated with www.DeepL.com/Translator (free version) 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.

14. Section 14: Transport information

14 1 UN number or ID number Not specified

Required shipping label:

ADR/RID/ADN: Not specified IMDG: Not specified ICAO TI: Not specified

14.2 Proper name of the United Nations for the shipment

> Ground transport ADR/RID/ADN: Not specified Naval transport IMDG: Not specified Air transport ICAO TI: Not specified

14.3 Transport hazard class(es):

> ADR/RID/ADN: Not specified IMDG: Not specified ICAO TI: Not specified

14.4 Packing group:

14.5

14.6

14.7

ADR/RID/ADN: Not specified IMDG: Not specified ICAO TI: Not specified Environmental hazards: Not specified Special precautions for user: See Section 8 Not specified Special provisions (ADR): Naval mass-transport according to instrumenst IMO: Not applicable None Notes:

Additional data: None

15. Section 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for 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

Commision directive (EU) No. 878/2020

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.

- a) New edition.
- b) key or legend for abbreviations and accronyms used in the safety data sheet:
- The lethal dose for 50 % mortality of the test population relative to a control sample. LD_{50}
- Lethal concentration for 50 % mortality of the test population relative to a control sample. LC_{50}
- EC_{50} Effective concentration for 50 % mortality of the test population relative to a control sample.
- EC_{10} Effective concentration for 10 % mortality of the test population relative to a control sample.
- IC_{50} Inhibitory concentration to reduce the growth or growth rate of 50% of the test population relative to a control sample.
- Lethal loading doses of test substance resulting in 50% mortality LL_{50}
- EL₅₀ Effective loading doses of test substance resulting in 50% mortality

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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.

c) important references to literature and data sources

Initial data sources are safety data sheets of the inherent (components).

d) in case of mixture, statement about evaluation method used for classification according to article 9 of directive (ES) number 1272/2008

For evaluation purposes, principles of extrapolation were used. Calculation methods.

e) List of H-sentences, whose full form is not listed in other parts.

H301 Toxic if swallowed.
 H302 Harmful if swallowed.
 H310 Fatal in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H319 Causes serious eye irritation.

H330 Fatal if inhaled. H331 Toxic if inhaled.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

EUH071 Causes burns to the respiratory tract.

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.