

SAFETY DATA SHEET

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



| | | | | | |
|----------------|---------------------------|-------------------|---|---------------|---|
| Date of Issue: | 12. 07. 2019 | Version number: | 1 | No. of pages: | 7 |
| Revision date: | | Replaces version: | - | | |
| Product name: | SANAKRYL MAT PROFI | | | | |

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

| | | |
|-------|--|--|
| 1.1 | Product identifier: | SANAKRYL MAT PROFI |
| 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) IS (use in industrial installations) |
| | Usage Name: | SU0 |
| | Other usage description: | coating material |
| | Market description: | PC9a; PC15 |
| | Contributing Activity Name: | spraying techniques in industrial plants roller or brush application non-industrial spraying techniques |
| | Contributing activities descriptor: | PROC7 PROC10 PROC11 |
| | More information: | technical function of the product in coating material this use: quantity to use: 0 - 10 t / yr Regulatory status by use: No a limited number of devices for this use: No the subsequent period of use relevant to this use: 24 months an overview of environmental release categories for each life cycle stage: ERC2; ERC5; 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: | AUSTIS a. s. |
| | Address: | K Austisu 680, 154 00 PRAHA 5 - Slivenec |
| | Telephone number: | +420 251 099 111 |
| | Fax: | +420 251 099 112 |
| | e-mail: | austis@austis.cz |
| 1.4 | Emergency telephone number: | +420 251 099 247 +420 602 331 922 |
| | Centre of the Toxicological information Na Bojišti 1, 120 00 Prague 2, CZ | Tel.: +420 224 919 293 |

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 [%]: | ≤ 2,0 | < 0,0012 |
| 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 flammable. 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: **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 exposure) | 98 mg/m ³ |
| DNEL (Workers, Hazard via inhalation route, Systemic effects, Acute/short term exposure) | 1091 mg/m ³ |
| DNEL (Workers, Hazard via inhalation route, Local effects, Long term exposure) | 246 mg/m ³ (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 ³ |
| DNEL (General Population, Hazard via inhalation route, Systemic effects, Acute/short term exposure) | 426 mg/m ³ |
| DNEL (General Population, Hazard via inhalation route, Local effects, Long term exposure) | 147 mg/m ³ (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): | 8,0 - 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 1,30 - 1,35 g.cm ⁻³ (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): | 39 |
|------------|----|

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

| | | |
|------------|--|---|
| | Carcinogenity: | 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 |
| 12. | Section 12: Ecological information | |
| 12.1 | Toxicity | |
| | Acute toxicity for water organisms: | |
| | - LC ₅₀ , 96 hours, fish (mg/kg): | Not set |
| | - LC ₅₀ , 48 hours, fish (mg/kg): | Not set |
| | - IC ₅₀ , 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. |
| 13. | Section 13: Disposal considerations | |
| 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. | |
| 14. | Section 14: Transport information | |
| 14.1 | UN Number: | Not specified |
| | Required shipping label: | |
| | ADR/RID | Not specified |
| | IMDG: | Not specified |
| | ICAO/IATA | Not specified |
| 14.2 | UN proper shipping name: | |
| | 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 | Zdraví škodlivý při požití. |
| H311 | Toxický při styku s kůží. |
| H312 | Zdraví škodlivý při styku s kůží |
| 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 | Zdraví škodlivý při vdechování. |
| 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 ₅₀ | The lethal dose for 50 % mortality of the test population relative to a control sample. |
| LC ₅₀ | Lethal concentration for 50 % mortality of the test population relative to a control sample. |
| 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. |
| LL ₅₀ | Lethal loading doses of test substance resulting in 50% mortality |
| EL ₅₀ | 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.