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

1.1. Product identifier

Trade name of the mixture: Melamine Urea Formaldehyde Resins MKF-F4I3; MKF-F4I3.5; MKF-F4I4; MKF-F4I5; MKF-P; MKF-F4V; MKF-HMN.

Other means of identification: None. The Unique product identifier (UFI) is not applicable to the product according to Regulation (EC) No 1272/2008, because the product as a mixture which does not meet the classification criteria according to Regulation (EC) No 1272/2008.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Identified uses:

Industrial use: MKF-F4I3; MKF-F4I3.5; MKF-F4I4; MKF-F4I5; MKF-F4V; MKF-HMN brand product is used in the production of chipboards, medium-density fiber boards, high-density fiber boards, and low-density fiber boards. The MKF-P brand product is used in the production of pallets.
Professional use: MKF-F4I3; MKF-F4I3.5; MKF-F4I4; MKF-F4I5; MKF-P; MKF-F4V brand product is used as an adhesive for various wood parts in furniture making.
Further customer use: None.

1.2.2. Uses advised against: None.

1.3. Details of the supplier of the safety data sheet

Producer: AB Achema
Address: Jonalaukio k. 1, Jonavos sen., LT-55296.
Country: Lithuania
Phone: +370 (349) 56736.
Website of the manufacturer/supplier: www.achema.lt
Person responsible for the Safety Data Sheet: Dainius Šlepetis, d.slepetis@achema.com

1.4. Emergency telephone number

Please contact: the Poison Information Bureau (PIB) in Lithuania by phone +370 (5) 2362052, mob. +370 687 53378, website http://www.apsinuodijau.lt or call the single emergency number 112.
Helpdesk services work: 24 hours a day, 365 days a year.
Other assistance (language in which assistance is provided): assistance is provided in Lithuanian.

Poison Control Centres in Europe are available on site http://www.who.int/pcs/poisons/centre/directory/euro/en/.
Telephone numbers of poison control centres in the European Economic Area: **IRELAND** (Dublin) +353 1 8379964; **AUSTRIA** (Vienna) +43 1 406 43 43; **BELGIUM** (Brussels) +32 70 245 245; **BULGARIA** (Sofia) +359 2 9154 409; **CZECH REPUBLIC** (Prague) +420 224 919 293; **DENMARK** (Copenhagen) 82 12 12 12; **ESTONIA** (Tallinn) 112; **GREECE** (Athens) +30 10 779 3777; **ICELAND** (Reykjavik)

+354 525 111, +354 543 2222; **ITALY** (Rome) +39 06 305 4343; **LATVIA** (Riga) +371 704 2468; **MALTA** (Valletta) 2425 0000; **NORWAY** (Oslo) 22 591300; **NETHERLANDS** (Bilthoven) +31 30 274 88 88; **FRANCE** (Paris) +33 1 40 0548 48; **FINLAND** (Helsinki) +358 9 471 977; **SWEDEN** emergency cases 112; in less acute cases +46 040 456 6700; **HUNGARY** (Budapest) 06 80 20 11 99; **GERMANY (Berlin)** +49 30 19240.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Labelling in accordance with Regulation (EC) 1272/2008 [CLP]:
The product does not meet the criteria for classification set out in provisions of Regulation (EC) No 1272/2008.

2.2. Label elements

2.2.1. Labelling in accordance with Regulation (EC) 1272/2008 [CLP]:
Hazard pictogram(s): Not applicable.
Signal word: Not applicable.
Hazard statement(s): Not applicable.
Precautionary statement(s):

On exposure	P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P337 + P313: If eye irritation persists: Get medical advice/attention.

Additional labelling information (EUH statement (s)):
EUH208: Contains formaldehyde. May cause an allergic reaction.
EUH210: Safety data sheet available on request.

2.3. Other hazards

PBT and vPvB properties. The product is not PBT or vPvB according to criteria set out in Annex XIII of Regulation (EC) No 1907/2006. The product contains a chemical substance, melamine, EC No 203-615-4, CAS No 108-78-1 (its content in the product is < 0,1 %), subject to the current assessment by the responsible authorities of the European Union whether to assign it to PBT or not.
The Candidate List of Substances of Very High Concern. The chemical substance, melamine, contained in the product (mixture), EC No 203-615-4, CAS No 108-78-1 (its content in the product is < 0,1 %) is included in the Candidate List of Substances of Very High Concern, composed in accordance with Article 59 (1) of Regulation (EC) No 1907/2006. Melamine is included in this list according to Article 57 (f) of Regulation (EU) No 1907/2006. substances – such as those having endocrine disrupting properties or those having persistent, bioaccumulative and toxic properties or very persistent and very bioaccumulative properties, which do not fulfil the criteria of points (d) or (e) of Regulation No 1907/2006 – for which there is scientific evidence of probable serious effects to human health or the environment which give rise

to an equivalent level of concern to those of other substances listed in points (a) to (e) of Regulation No 1907/2006.

Endocrine disrupting properties. The product (mixture) does not have endocrine disrupting properties according to the criteria established in Regulation (EU) 2017/2100 or Regulation (EU) 2018/605. The product contains a chemical substance, melamine, EC No 203-615-4, CAS No 108-78-1 (its content in the product is < 0,1 %), subject to the current assessment by the responsible authorities of the European Union whether to assign it to endocrine disrupting substances or not.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2. Mixtures

The product is a polymer of melamine urea formaldehyde resins in aqueous solution. In accordance to provisions of Regulation (EC) No 1907/2006, the product is considered a mixture.
Identification of the mixture components.

CAS number:	EC number	Index number according to Regulation (EC) No 1272/2008	REACH registration number	Mass fraction, %	Name	Labelling in accordance with Regulation (EC) No 1272/2008 [CLP]
Not applicable	Not applicable	Not applicable	An exemption from the obligation to register under Article 2 (9) of Regulation (EC) No 1907/2006 because it is a polymer. REACH registration numbers of raw materials used in the production of the polymer: formaldehyde – 01-2119488953-20-XXXX; urea – 01-2119463277-33-XXXX; melamine – 05-2114278691-40-XXXX	68±1 (only for brands MKF-F4I3.5; MKF-F4I4; MKF-F4I5; MKF-P; MKF-F4V); 68.5±1 (only for brands MKF-F4I3; MKF-F4I3.5; MKF-HMN)	Melamine Urea Formaldehyde Resins (polymer)	It does not meet the classification criteria
50-00-0	200-001-8	605-001-00-5	01-2119488953-20-XXXX	< 0,1	Formaldehyde	Carcinogenicity cat. 1B, H350, Germ cell mutagenicity, cat. 2, H341, Acute toxicity$_{(ingested)}$, cat. 3, H301, Acute toxicity$_{(dermal)}$, cat. 3, H311,

						Acute toxicity$_{(inhaled)}$, cat. 3, H331, Skin corrosion, cat. 1B, H314, Serious eye damage, cat. 1, H318, Skin sensitiser, cat. 1, H317. Specific concentration limits: Skin corrosion, cat. 1B, H314: C ≥ 25 %; Skin irritation, cat. 2, H315: 5 % ≤ C < 25 %; Eye irritation, cat. 2, H319, 5 % ≤ C < 25 %; Specific target organ toxicity (STOT) – single exposure, cat 3, H335 C ≥ 5 %; Skin sensitiser, cat. 1, H317: C ≥ 0,2 % M factor: Not applicable. ATE $_{ingested}$ = 100 mg/kg bw ATE $_{dermal}$ = 300 mg/kg bw ATE $_{inhaled}$ = 3 mg/l/vapour

The full text of the hazard statements used in the table and explanations of the abbreviations are provided in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

4.1.1. General information.

The substance may enter the organism through: The respiratory tract, contact with skin and eyes, and if swallowed.

Inhalation: Fresh air, warmth, calm; give them to breathe water vapour with a few drops of ammonium chloride. If discomfort occurs, seek medical advice.

Skin contact: Wash the affected area with plenty of water, remove the contaminated clothing. If irritation persists, seek medical advice.

If in eyes: Rinse with plenty of clean water and seek medical advice immediately.

If swallowed: Drink plenty of water, then give them some activated charcoal to drink and seek medical advice immediately.

4.1.2. Personal protective equipment recommended for first aid responders: Protective gloves in accordance with LST EN 420.

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

Inhalation: No data available.
Skin contact: Skin redness.
Eye contact: Eye irritation.
Ingestion: No data available.

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

Measures that can be administered only by a doctor: gastric lavage, laxative, medication prescription.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Use water, carbon dioxide or other extinguishing media suitable for the specific conditions.
Unsuitable extinguishing media: Do not use chemical extinguishers and vapour.

5.2. Special hazards arising from the substance or mixture

The product is non-explosive and non-flammable.

5.3. Advice for firefighters

Firefighters must use personal protective equipment (safety boots, protective work clothing, protective gloves, eye, face protection, respiratory protection) according to LST EN 469.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel: Do not inhale; do not swallow. Avoid contact with skin and eyes. Safely evacuate from the accident zone from the downwind direction as soon as possible and follow instructions of aid providers. In the event of an accident, use the personal protective equipment specified in sub-section 8.2. Wash yourself and change clothes, when possible.

6.1.2. For emergency responders: If the product is dispersed, stop works, and evacuate people not participating in the liquidation of the accident. Disconnect electricity, devices, heat/heating sources, isolate/localize the accident site. Collect the spilled product as much as possible using dry sand or other absorbent. Ensure that favourable combustion conditions do not occur. Make it possible to wash yourself, collect the contaminated clothes and put them separately/isolate if possible. Provide suitable/adequate exhaust ventilation. Avoid contamination of skin and eyes; do not inhale. Wear protective clothing resistant to chemical exposure, hermetic googles, and gloves (Section 8). Ensure that isolation/localization and handling/cleaning are carried out only by appropriately trained personnel.

6.2. Environmental precautions

Prevent the product from entering into the soil, water bodies, sewers, and drainage systems. In the event of spillage of large quantities, isolate the accident site, inform the relevant authorities, and call the fire and rescue services.

6.3. Methods and material for containment and cleaning up

Stop the dispersion, seal the affected containers, e.g., by transferring to sealed external containers. Absorb the spilled product with sand, gravel, universal binder, or other non-flammable, absorbent material, collect and place in a suitable, marked, tightly closed container resistant to the exposure of the product. Dispose of as required by national legislation (Section 13). Rinse the traces of residues with water. Collect the resulting cleaning solutions mechanically/manually or technically/automatically, and dispose of in accordance with legal requirements. In the event of spillage of large quantities, isolate the accident site, install barriers or protective embankments, prevent the spilled product from entering drainage pipes, water pipes, basements, and other closed premisses. Do not dispose of as household waste. If the product has entered sewers and/or surface/ground waters, or has dispersed in large quantities and/or over a large area, inform the relevant authorities.

6.4. Reference to other sections

See Section 7 for information on safe handling and storage. 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

Production facilities and laboratories must be equipped with supply/exhaust ventilation, and workplaces must be equipped with local exhaust ventilation. Avoid any product dispersion in the environment.
Use the personal protective equipment specified in Sub-section 8.2.
In the working environment, where the product is used and stored, eating, smoking and drinking is strictly prohibited. Wash hands after working with the product. Take off the contaminated clothing and protective equipment before entering dining areas.

7.2. Conditions for safe storage, including any incompatibilities

Avoid the formation of vapour or aerosol. Storage at temperatures exceeding 25 °C is not recommended. It is necessary to stir periodically. Closed storage rooms or containers must be protected from direct sunlight and atmospheric precipitation.
Incompatible materials: Strong acids (upon entry into the product, an uncontrolled polymerization reaction may begin and the product will harden), alkalis.
The product is not subject to restrictions according to the Resolution No 966 of the Government of the Republic of Lithuania of 17 August 2004 “On the Approval of the Provisions on the Prevention,

Liquidation and Investigation of Industrial Accidents and the List of Materials, Mixtures or Preparations of Hazardous Substances in the Hazardous Objects and the Description of the Attribution Criteria for List thereof" (Official Gazette, 2004, No 130-4649) with all the subsequent amendments and supplements) and according to Directive 2012/18/EU.

7.3. Specific end use(s)

No other use of the product other than as specified in Section 1.2 is intended.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. The limit value of the component of the chemical substance and the preparation in the ambient air: not identified for the product.
The product ingredients for which occupational exposure limit values are set according to HN 23 of the Republic of Lithuania are provided in the table.

Name	CAS No	LTELV		STELV		TLV		CAS No
		mg/m^3	ppm	mg/m^3	ppm	mg/m^3	ppm	
Formaldehyde	50-00-0	0.37	0.3	0.74	0.6	-	-	Acute effects. Sensitising effects Carcinogenic effects. The substance may cause sensitization. The LTELV for the healthcare, funeral and embalming sectors is 0.62 mg/m^3 or 0.5 ppm.
Melamine	9003-08-1	0.5	-	-	-	-	-	-
Urea	57-13-6	10	-	-	-	-	-	-

Occupational exposure limit value under Directive 98/24/EC: Not applicable product ingredients.
Occupational exposure limit value under Directive 2019/983: LTEL: 0.37 mg/m^3 or 0.3 ppm (according to formaldehyde); STEL: 0.74 mg/m^3 or 0.6 ppm (according to on formaldehyde).
Any other national occupational exposure limit values: No data available.

Binding biological limit value(s) under Directive 98/24/EC: Not applicable product ingredients.
Any other national biological limit values: No data available.

Applicable limit values for air pollutants that may form when the product is used for its intended purpose: Formaldehyde is subject to restrictions according to entry 77 of Annex XVII of Regulation (EC) No 1907/2006. Formaldehyde-releasing substances shall not be placed on the market in articles, after 6 August 2026, if, under the test conditions specified in Appendix 14, the concentration of formaldehyde released from those articles exceeds: (a) 0.062 mg/m^3 for furniture and wood-based articles; (b) 0.080 mg/m^3 for articles other than furniture and wood-based articles. See Section 15.1 for exceptions to the requirement.

8.1.2 Recommended monitoring procedures: Ensure continuous/regular monitoring of technical parameters as per technical specifications/instructions provided/available for the devices. In the manufacturing process of the product, as well as in the premises of its storage and use measurements and monitoring of chemical substances, namely, formaldehyde and melamine, in the air must be carried out When performing monitoring procedures, follow the established "Regulations for Workers Protection against the Effects of Chemical Factors" of the Republic of Lithuania. Other valid standards in the European Union: LST EN 482, LST EN 689, EN 14042.

3.1.3. Derived no-effect level(s) (DNEL): The product does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008 and therefore the DNEL value is not determined.
The DNEL values of the product ingredients are provided in the tables below (data source: registration documentations for formaldehyde and urea according to Regulation (EC) No 1907/2006 and melamine safety data sheet).

Workers' exposure

Exposure route	Exposure type	Hazard		
		Formaldehyde (CAS No 50-00-0)	**Melamine (CAS No 108-78-1)**	**Urea (CAS No 57-13-6)**
After inhalation	Systemic effect – long lasting	DNEL: 9 mg/m³	8.3 mg/m³	DNEL: 2645 mg/m³
After inhalation	Systemic effect – acute	No hazard has been identified	82.3 mg/m³	DNEL: 292 mg/m³
After inhalation	Local effect – long lasting	DNEL: 0.375 mg/m³	-	The hazard is unknown, but there is no need to collect additional hazard information as there is no likelihood of exposure.
After inhalation	Local effect – acute	DNEL: 0.75 mg/m³	-	The hazard is unknown, but there is no need to collect additional hazard information as there is no likelihood of exposure.
Dermal	Systemic effect – long lasting	DNEL: 240 mg/kg bw/day	11.8 mg/kg bw per day	DNEL: 375 mg/kg bw
Dermal	Systemic effect – acute	No hazard has been identified	117 mg/kg bw per day	DNEL: 580 mg/kg bw/day
Dermal	Local effect – long lasting	DNEL: 37 µg/cm²	-	No hazard has been identified
Dermal	Local effect – acute	No hazard has been identified	-	No hazard has been identified
Eye contact	Local effect	Medium hazard (no threshold amount has been identified)	-	No hazard has been identified
Oral	Systemic effect – long lasting	-	-	Not applicable

Public exposure

Exposure route	Exposure type	Hazard		
		Formaldehyde (CAS No 50-00-0)	**Melamine (CAS No 108-78-1)**	**Urea (CAS No 57-13-6)**
After inhalation	Systemic effect – long lasting	DNEL: 3.2 mg/m³	1.5 mg/m³	DNEL: 783 mg/m³
After inhalation	Systemic effect – acute	No hazard has been identified	-	DNEL: 125 mg/m³
After inhalation	Local effect – long lasting	DNEL: 0,1 mg/m³	-	The hazard is unknown, but there is no need to collect additional hazard information as there is no likelihood of exposure.
After inhalation	Local effect – acute	No hazard has been identified	-	The hazard is unknown, but there is no need to collect additional hazard information as there is no likelihood of exposure.
Dermal	Systemic effect – long lasting	DNEL: 102 mg/kg bw/day	4.2 mg/kg bw per day	DNEL: 225 mg/kg bw
Dermal	Systemic effect – acute	No hazard has been identified	-	DNEL: 580 mg/kg bw/day
Dermal	Local effect – long lasting	DNEL: 12 µg/cm²	-	No hazard has been identified
Dermal	Local effect – acute	No hazard has been identified	-	No hazard has been identified
Oral	Systemic effect – long lasting	DNEL: 4.1 mg/kg bw/day	0.42 mg/kg bw per day	DNEL: 42 mg/kg bw/day
Oral	Systemic effect – acute	No hazard has been identified	-	DNEL: 42 mg/kg bw/day
Eye contact	Local effect	Medium hazard (no threshold amount has been identified)	-	No hazard has been identified
Oral	Systemic effect – long lasting	-	-	DNEL: 37.5 mg/kg bw

8.1.4. Predicted no effect concentration(s) (PNEC) The product does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008 and therefore the PNEC value is not determined.

The PNEC values of the product ingredients are provided in the table below (data source: registration documentations for formaldehyde and urea according to Regulation (EC) No 1907/2006 and melamine safety data sheet).

Area	PNEC		
	Formaldehyde (CAS No 50-00-0)	**Melamine (CAS No 108-78-1)**	**Urea (CAS No 57-13-6)**
Freshwater	PNEC water (fresh water): 0.44 mg/l Intermediate releases: 4.44 mg/l	PNEC water (fresh water): 0.51 mg/l Intermediate releases: 2 mg/l	PNEC water (fresh water): 0.47 mg/L Intermediate releases: -
Sea water	PNEC water (sea water): 0.44 mg/l Intermediate releases: -	0.051 mg/l	PNEC Water (sea water): 0.047 mg/l Intermediate releases: -

Sediment (fresh water)	PNEC sediment (fresh water): 2.3 mg/kg sediment dw	2.524 mg/kg dwt	No likelihood of sediment effects
Sediment (sea water)	PNEC water (sea water): 2.3 mg/kg sediment dw	0.252 mg/kg dwt	No likelihood of sediment effects
Sewage treatment plants (STP)	PNEC STP: 0.19 mg/l	200 mg/l	No hazard has been identified
Soil	PNEC soil: 0.2 mg/kg soil dw	0.206 mg/kg dwt	No likelihood of soil effects
Air	No hazard has been identified	-	No hazard has been identified
Secondary poisoning	No bioaccumulative potential	-	No bioaccumulative potential

8.2. Exposure controls

8.2.1. Appropriate engineering controls: Supply/exhaust ventilation.

8.2.2. Individual protection measures, such as personal protective equipment: Use personal protective equipment. Provision of employees with personal protective equipment in the Republic of Lithuania must comply with the Order of the Minister of Social Security and Labour of the Republic of Lithuania "On the Approval of Provisions for Provision of Employees with Personal Protective Equipment", in other countries the requirements of the European Union and national legislation apply. Do not eat, drink, or smoke at the workplace to avoid contact of the product with skin, mouth or eyes. Before breaks, after work, before eating, smoking and using the toilet, wash your hands using appropriate means (soap, etc.). After work, take off the contaminated/dirty clothes, take off the shoes, googles and other contaminated items and thoroughly clean/wash them with appropriate washing/washing agents (powder or other) before using them the next time. Use certified protective equipment that meets the requirements and standards of the European Union, or its equivalents, when the risk cannot be avoided or sufficiently limited by technical means of collective protection, methods and work organization procedures.

8.2.2.1. Eye/face protection:

Chemically resistant hermetic safety goggles or a face shield according to LST EN ISO 16321-1, LST EN ISO 16321-3 and LST EN ISO 4007. It is recommended to use full face protection measures.

8.2.2.2. Skin protection

Hand protection:

Protective gloves that meet the requirements of LST EN 420, LST EN ISO 21420 for protection against chemical hazards, and LST EN 388 for protection against mechanical hazards. If the risk is related to thermal effects, consider LST EN 407. Protective gloves must be made of one of the materials listed in the table and must be at least as thick and resistant to penetration as provided there.

Glove material	Glove thickness, mm	Breakthrough time of glove material, min*
Butyl rubber	0.35	> 480
Viton butyl	0.70	> 480
Two-layer neoprene	0.75	480
Neoprene	0.13	240–480

Nitrile synthetic rubber	0.40	480
Nitrile	0.12	> 480
Fluorocarbon rubber	0.40	> 480
Polychloroprene	0.50	240

* The breakthrough time of the glove material is the time taken for the product to come in full contact with the glove. The shorter the breakthrough time, the less resistant the glove material to the product.

The user of the product must select the glove material from the provided ones taking into account the situation, the nature of the work, the probability of contact of the gloves with the product, and the possible duration of contact. It is recommended to use glove materials with a breakthrough time of at least 480 minutes when working with the product on a regular basis. Gloves should not be used for longer than the breakthrough time when handling the product.

Gloves made of the following materials are not suitable for working with the product:

- Polyvinyl chloride;
- Natural rubber/natural latex;
- PVA;
-Textile;
-Leather.

Skin protection creams do not provide sufficient protection against the product.

Please note that data on the breakthrough time of the glove material are not available. The breakthrough time of the glove material specified here was determined at 22 °C using a hazardous original raw material of the product, i.e., 37 % formaldehyde solution. Since the product does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008, the breakthrough times of the glove material will not be less than indicated in the table.

When using the product at temperatures higher than 22 °C or using the product mixture with other substances at normal temperatures, the resistance of the glove material can be reduced, therefore in such cases the permitted use of gloves should be shorter.

We recommend that when starting to use gloves of a new type or those from another manufacturer, first of all make sure that they are sufficiently chemically and mechanically resistant fort the work under the current working conditions. If you have any questions about the suitability of the respective gloves, please contact the glove manufacturers/suppliers.

There should be no powder inside the gloves, which can cause hand skin allergies.

Always check the gloves for tears, cracks or other defects before putting them on. After the work, gloves should be thoroughly cleaned and washed before removing. Sufficient attention must be focused to the hand skin care after the work.

Other protection: It is recommended to select body protection equipment based on the concentration and amount of the hazardous substance at the workplace. It is recommended to use working clothes that are anti-static or at least cotton, non-static.

Protective helmets according to LST EN 397.


Protective working clothes according to LST EN ISO 13688, LST EN 14605, LST ISO 6529, LST EN ISO 6530.


Safety shoes covering the entire foot according to LST EN ISO 20345 and LST EN 13832. Prevent the product from entering shoes.

8.2.2.3. Respiratory protection:


Not applicable; however, in the event of insufficient ventilation, long-term/constant exposure or if vapour or aerosols form at the workplace, use individual respiratory protective equipment with a filter protecting against organic gases, vapour or aerosols. It is recommended to use a filtering gas mask with A2B2E2K2 filter according to LST EN 14387. When choosing respiratory protective equipment, it is necessary to take into account the known or assumed level of exposure, the hazards posed by the product and the limits of safe work with the selected respiratory protective equipment.

8.2.3. Environmental exposure controls: Do not allow to enter into the sewage and the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

(**a) Appearance:** Liquid at temperatures at (15–25) °C and the pressure of 1013 kPa.
(**b) Colour:** Whitish.
(**c) Odour:** Weak specific odour.
(**d) Melting point/freezing point:** Freezing point does not exceed -15 °C (minus 15 °C).
(e) Initial boiling point and boiling range: >100 °C.
(f) Flammability: The product does not meet the classification criteria in accordance with Regulation (EC) No 1272/2008.
(**g) Lower and upper explosion limit:** Non-flammable, non-explosive.
(h) Flash point: Not applicable because the mixture is non-flammable.
(i) Auto-ignition temperature: Not applicable because the mixture is non-flammable.
(q) Decomposition temperature: Not applicable because the mixture is non-flammable.
(k) pH: (8.5±1) at 20 °C.
l) Kinematic viscosity: the relative viscosity at (20 ± 0.5) °C temperature (according to VZ-246 with a 4 mm nozzle):
- brand MKF-HMN (80±20) s;
- brand MKF-F4I3 (100±20) s;
- brand MKF-F4I3.5 (100±20) s;
- brand MKF-F4I4 (100±20) s;
- brand MKF-F4I5 (100±20) s;

- brand MKF-P (120±20) s;
- brand MKF-F4V (130±20) s.

Dynamic viscosity according to Brookfield CAP 2000+L at (25±1) °C temperature:
- brand MKF-HMN (300±100) mPa·s;
- brand MKF-F4I3 (450±100) mPa·s;
- brand MKF-F4I3.5 (450±100) mPa·s;
- brand MKF-F4I4 (450±100) mPa·s;
- brand MKF-F4I5 (450±100) mPa·s;
- brand MKF-P (550±100) mPa·s;
- brand MKF-F4V (600±100) mPa·s.

(m) Solubility: Partially soluble in water.
(n) Partition coefficient: n-octanol/water (log value): Not defined; no literature data available.
(o) Vapour pressure: Not applicable because the mixture is non-flammable.
(p) Density and/or relative density: at temperature (20±1) °C, density is equal to:
- brand MKF-F4I3 (1285±10) kg/m^3.
- brand MKF-F4I3.5 (1285±10) kg/m^3.
- brand MKF-F4I4 (1285±10) kg/m^3.
- brand MKF-F4I5 (1285±10) kg/m^3.
- brand MKF-P (1290±10) kg/m^3.
- brand MKF-F4V (1280±10) kg/m^3.
- brand MKF-HMN (1285±10) kg/m^3.

(l) Relative vapour density: Not applicable to the product.
(r) Particle characteristics: Not applicable because the product is liquid.

9.2. Other information

There are no additional data that are important for the safety and health of users and the environment protection.

9.2.1. Information with regard to physical hazard classes:
Explosive substances: Not applicable.
Flammable gases: Not applicable.
Aerosols: Not applicable.
Oxidising gases: Not applicable.
Gases under pressure: Not applicable.
Flammable liquid: Not applicable.
Flammable solids: Not applicable.
Self-reactive substances and mixtures: Not applicable.
Pyrophoric liquids: Not applicable.
Pyrophoric solids: Not applicable.
Self-heating substances and mixtures: Not applicable.
Substances and mixtures, which emit flammable gases in contact with water: Not applicable.
Oxidising liquids: Not applicable.
Oxidizing solids: Not applicable.
Organic peroxides: Not applicable.
Corrosive to metals: Not applicable.

Desensitised explosives: Not applicable.

9.2.2. Other safety characteristics: No data.

SECTION 10: Stability and reactivity

10.1. Reactivity

During storage, the product viscosity increases due to the specific properties thereof (see Section 7 "Handling and storage").

10.2. Chemical stability

The product is stable under recommended usage and storage conditions (see Section 7 "Handling and storage").

10.3. Possibility of hazardous reactions

It may react in contact with incompatible materials.

10.4. Conditions to avoid

It is not recommended to store above 25 °C. Stratification is possible, so it is necessary to stir periodically. The resin must be stored in locked rooms or containers protected from direct sunlight and atmospheric precipitation. Avoid the formation of vapour or aerosol.

10.5. Incompatible materials

Chemical substances: strong acids (upon entry into the product, an uncontrolled polymerization reaction may begin and the product will harden), alkalis.

10.6. Hazardous decomposition products

No data available.

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 product does not meet the classification criteria for acute toxicity according to Regulation (EC) No 1272/2008.
Oral, LD_{50} (rat): 100 mg/kg (according to formaldehyde).
Dermal, LD50 (rabbit): 220.1 mg/kg (according to formaldehyde).
Inhaled, LC50 (rats): 0.578 mg/l/4h (according to formaldehyde).

Skin corrosion/irritation: Based on available data, the product does not meet the classification criteria for skin corrosion/irritation according to Regulation (EC) No 1272/2008. Skin contact with the product may cause skin irritation.
Serious eye damage/irritation: Based on available data, the product does not meet the classification criteria for serious eye damage/irritation according to Regulation (EC) No 1272/2008. Eye contact with the product may cause eye irritation.
Respiratory or skin sensitisation: Based on available data, the product does not meet the classification criteria for respiratory or skin sensitisation according to Regulation (EC) No 1272/2008.
Germ cell mutagenicity: Based on available data, the product does not meet the classification criteria for germ cell mutagenicity according to Regulation (EC) No 1272/2008.
Carcinogenicity: Based on available data, the product does not meet the classification criteria for carcinogenicity according to Regulation (EC) No 1272/2008.
Reproductive toxicity: Based on available data, the product does not meet the classification criteria for reproductive toxicity according to Regulation (EC) No 1272/2008.
Specific target organ toxicity (STOT) – single exposure: Based on available data, the product does not meet the classification criteria for specific toxicity according to Regulation (EC) No 1272/2008.
Specific target organ toxicity (STOT) – repeated exposure: Based on available data, the product does not meet the classification criteria for specific toxicity according to Regulation (EC) No 1272/2008.
Aspiration hazard: None.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

The product (mixture) does not have endocrine disrupting properties according to the criteria established in Regulation (EU) 2017/2100 or Regulation (EU) 2018/605. The product contains a chemical substance, melamine, EC No 203-615-4, CAS No 108-78-1 (its content in the product is < 0,1 %), subject to the current assessment by the responsible authorities of the European Union whether to assign it to endocrine disrupting substances or not.

11.2.2. Other information

None.

SECTION 12: Ecological information

12.1. Toxicity

Based on available data, the product does not meet the classification criteria for environmental hazard according to Regulation (EC) No 1272/2008.

12.2. Persistence and degradability

Readily biodegradable (97.4%/5 days according to formaldehyde).

12.3. Bioaccumulative potential

No literature data.

12.4. Mobility in soil
No literature data.

12.5. Results of PBT and vPvB assessment
The product does not meet the PBT or vPvB criteria according to Annex XIII of Regulation (EC) No 1907/2006. The product contains a chemical substance, melamine, EC No 203-615-4, CAS No 108-78-1 (its content in the product is < 0,1 %), subject to the current assessment by the responsible authorities of the European Union whether to assign it to PBT or not.

12.6. Endocrine disrupting properties
The product (mixture) does not have endocrine disrupting properties according to the criteria established in Regulation (EU) 2017/2100 or Regulation (EU) 2018/605. The product contains a chemical substance, melamine, EC No 203-615-4, CAS No 108-78-1 (its content in the product is < 0,1 %), subject to the current assessment by the responsible authorities of the European Union whether to assign it to endocrine disrupting substances or not.

12.7. Other adverse effects
None.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Wastes from residues. Waste of melamine urea formaldehyde resins that are not contaminated with other hazardous substances are not classified as hazardous waste in accordance with Regulation (EU) No 1357/2014. Waste of melamine urea formaldehyde resins must be transferred to waste management institutions. In Lithuania, waste of melamine urea formaldehyde resins must be managed in accordance with the Law on Waste Management of the Republic of Lithuania. In other countries, European Union and national legislations must be observed. Do not discard the waste into the environment. The final product waste code (LoW) is assigned by the waste manager/holder. It is not recommended to dispose of the product with waste water.

Packaging waste of melamine urea formaldehyde resin All residues of the product must be removed from the packages. The emptied packaging waste of melamine urea formaldehyde resins are not classified as hazardous waste in accordance with Regulation (EU) No 1357/2014. The packaging waste of melamine urea formaldehyde resins must be transferred to waste management institutions. In Lithuania, this waste must be managed in accordance with the Law on the Management of Packaging and Packaging Waste of the Republic of Lithuania and the applicable waste management rules. In other countries, European Union and national legislations must be observed.
The marking of melamine urea formaldehyde resins in accordance with (EC) No 1272/2008 may be removed only after completely emptying the packages.

SECTION 14: Transport information

The product is not covered by the European Agreement concerning the international carriage of dangerous goods by road (ADR), Regulations concerning the international carriage of dangerous goods by rail (RID), the European Agreement concerning the international carriage of dangerous goods by inland waterways (ADN), according to the International Maritime Dangerous Goods Code (IMDG Code).

14.1. UN number or ID number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3 Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

The product is not classified as a hazardous substance according to the UN Orange Book and International Transport Codes RID (Railway), ADR (Road) and IMDG (Sea transport).

14.6. Special precautions for user

Not available because the product is not subject to ADR requirements.

14.7. Maritime transport in bulk according to IMO instruments

The product is transported in packaging and therefore it is not covered by the IMO measures.

SECTION 15: Regulatory information

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

EU legislation:

- Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/9 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (published in the Official Journal of the European Union L 396/1, 2006), with all the subsequent amendments and supplements;

- Commission Regulation (EU) No 2020/878 of 28 May 2015 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (published in the Official Journal of the European Union L 203 of 26 June 2020);

- Commission Regulation (EU) No 552/2009 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as regards Annex XVII (published in the Official Journal of the European Union L164 of 22 June 2009) with all the subsequent amendments and supplements;

- Council Regulation (EC) No 440/2008 of 30 May 2008 laying down test methods pursuant to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (published in the Official Journal of the European Union No L 142/1, 2008) with all subsequent amendments and supplements;

- Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (published in the official journal of the European Union L353/1, 2008) with all the subsequent amendments and supplements;

- Commission Regulation (EU) No 1357/2014 of 18 December 2014 replacing Annex III to Directive 2008/98/EC of the European Parliament and of the Council on waste and repealing certain Directives (published in the Official Journal of the European Union L365/89, 2014) with all the subsequent amendments and supplements;

- Directive 2012/18/EU of the European Parliament and of the Council of 4 July 2012 on the control of major-accident hazards involving dangerous substances, amending and subsequently repealing the Council Directive 96/82/EC (published in the Official Journal of the European Union L197/1, 2012) with all subsequent amendments and supplements;

- Regulation (EC) No 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors, amending Regulation (EC) No 1907/2006 and repealing Regulation (EU) No 98/2013 (published in the Official Journal of the European Union L186/1, 2019) with subsequent amendments and supplements;

- Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC (published in the Official Journal of the European Union No L 81/51 2016) with all subsequent amendments and supplements;

- Commission Delegated Regulation (EU) 2017/2100 of 4 September 2017 setting out scientific criteria for the determination of endocrine-disrupting properties pursuant to Regulation (EU) No 528/2012 of the European Parliament and Council (published in the Official Journal of the European Union No L 301/1, 2017) with all subsequent amendments and supplements;

- Commission Regulation (EU) 2018/605 of 19 April 2018 amending Annex II to Regulation (EC) No 1107/2009 by setting out scientific criteria for the determination of endocrine disrupting properties (published in the Official Journal of the European Union No L 101/33, 2018) with all subsequent amendments and supplements;

- Directive 2010/75/EU of the European Parliament and of the Council of 24 November 2010 on industrial emissions (integrated pollution prevention and control) (published in the Official Journal of the European Union No L 334/17, 2010) with all subsequent amendments and supplements;

- Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC (published in the Official Journal of the European Union No L 143/87, 2004) with all subsequent amendments and supplements;

- Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work (fourteenth individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC) (published in the Official Journal of the European Union No L 131/11, 1998) with all subsequent amendments and supplements;

- Directive (EU) 2019/983 of the European Parliament and of the Council of 5 June 2019 amending Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens at work (published in the Official Journal of the European Union No L 164/23, 2019) with all subsequent amendments and supplements;

- European Agreement Concerning the International Carriage of Dangerous Goods by Roads (ADR) (Official Gazette, 2001, No 91-3349, identification code of the Register of Legislation: 103T001SUTARG031675), with all the subsequent amendments and supplements;

- Regulations concerning the international carriage of dangerous goods by rail (RID);

- International Maritime Dangerous Goods Code (IMDG);

- 1973 International Convention for the Prevention of Pollution from Ships (Official Gazette, 2004, No 138-5030, identification code of the Register of Legislation: 073T001KONVRG731618), with all the subsequent amendments and supplements);

- International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC code) with all the subsequent amendments and supplements;

- Guide on safety data sheets and exposure scenarios (European Chemicals Agency, 2018, reference: ECHA-18-G-07-EN), with all subsequent amendments and supplements.

- EN 14042 "Workplace atmospheres – Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents";

National legislation (Lithuania):

- Law on Hazardous Substances and Preparations of the Republic of Lithuania (18 April 2000, No VIII-1641) (Official Gazette, 2000, No 36-987, identification code of the Register of Legislation 1001010ISTAIII-1641) with all subsequent amendments and supplements.

- Law on Waste Disposal of the Republic of Lithuania (16 June 1998, No VIII-787) (Official Gazette, 1998, No 64-1726, identification code of the Register of Legislation: 0981010ISTAVIII-787) with all the subsequent amendments and supplements;

- Law on Package and Package Waste Handling of the Republic of Lithuania (25 September 2001, No IX-517) (Official Gazette, 2001, No 85-2968, identification code of the Register of Legislation: 1011010ISTA00IX-517) with all the subsequent amendments and supplements;

- Order No. V-824/A1-389 of the Minister of Health and the Minister of Social Security and Labor of the Republic of Lithuania of 1 September 2011 "On the Approval of the Lithuanian Hygiene Norm HN 23:2011 Occupational Exposure Limits, General Requirements for Measurement and Exposure Assessment of Chemicals" (Official Gazette, 2011, No 112-5274, identification code of the Register of Legislation: 1112250ISAK4/A1-389) with all the subsequent amendments and supplements;

- The applicable "Regulations for Workers Protection against the Effects of Chemical Factors" and "Regulations for Workers Protection against Carcinogenic Effects";

- The applicable "Procedure of Safety Data Sheet Requirements and Supply thereof to Professional Users";

- Applicable "Rules on Labelling of Items (Products) to be Sold in Lithuania and Referring Price thereof";

- Order No 2017 of the Minister of Environment of the Republic of Lithuania of 14 July 1999 "On the Approval of Waste Management Regulations" (Official Gazette, 1999, No 63-2065, identification code of the Register of Legislation: 099301MISAK000000217), with all the subsequent amendments and supplements;

- Law on the Supervision of Toxic Substances of the Republic of Lithuania (12 June 2001 No IX-456) (Official Gazette, 2001, No 64-2330; identification code of the Register of Legislation: 1011010ISTA00IX-456) with all subsequent amendments and supplements;

- Order No A1-331 of the Minister of Social Security and Labour of the Republic of Lithuania of 26 November 2007 "On the Approval of Provisions for Provision of Employees with Personal Protective Equipment", identification code of the Register of Legislation 1072230ISAK00A1-331 (Official Gazette, 29/11/2007, No. 123-5055) with all subsequent amendments and supplements;

- Order No 97/406 of the Minister of Health of the Republic of Lithuania of 24 July 2001 "On the Approval of Regulations on Protection of Employees from Risks Related to Exposure to Chemical Agents at Work and Regulations on Protection of Employees from Risks Related to Exposure to Carcinogens and Mutagens at Work" (Official Gazette, 2001, No 65-2396, identification code of the Register of Legislation 1012230ISAK0097/406), with all subsequent amendments and supplements;

- Order No D1-462 of the Minister of the Environment of the Republic of Lithuania of 12 October 2006 "On the Approval of the Description of the Procedure for Provision, Collection, Accumulation and further Distribution of Data and Information on Chemical Substances and Preparations Produced, Imported, Distributed, Exported and Professionally Used in the Republic of Lithuania, their Properties, Possible Effects on Human Health and Environment" (Official Gazette, 2006, No. 222-4249, identification code of the Register of Legislation 106301MISAK00D1-462) with all subsequent amendments and supplements.

- Order No D1-360 of the Minister of the Environment of the Republic of Lithuania of 2 July 2008 "On the Approval of the Description of the Accounting Procedure for Chemical Substances and Preparations" (Official Gazette, 2008, No. 77-3049, identification code of the Register of Legislation 108301MISAK00D1-360) with all subsequent amendments and supplements. LST EN 388 "Protective gloves against mechanical risks";

- LST EN 397 "Industrial safety helmets";

- LST EN 407 "Protective gloves and other hand protective equipment against thermal risks (heat and/or fire)";

- LST EN 420 "Protective gloves. General requirements and test methods";

- LST EN 469 "Protective clothing for firefighters. Performance requirements for protective clothing for firefighting";

- LST EN 482 "Workplace exposure. Procedures for the determination of the concentration of chemical agents. Basic performance requirements."

- LST EN 689 "Workplace exposure. Measurement of exposure by inhalation to chemical agents. Strategy for testing compliance with occupational exposure limit values";

- LST EN ISO 780 "Packaging. Distribution packaging. Graphical symbols for handling and storage of packages (ISO 780:2015)";

- LST EN ISO 4007 "Personal protective equipment. Eye and face protection. Vocabulary (ISO 4007:2018)".

- LST EN ISO 6529 "Protective clothing. Protection against chemicals. Determination of resistance of protective clothing materials to permeation by liquids and gases (ISO 6529:2001)";

- LST EN ISO 6530 "Protective clothing. Protection against liquid chemicals - Test method for resistance of materials to penetration by liquids (ISO 6530:2005)";

- LST EN ISO 13688 "Protective clothing. General requirements (ISO 13688:2013)";

- LST EN 13832 "Footwear protecting against chemicals - - Part 1: Terminology and test methods";

- LST EN 14387 "Respiratory protective devices. Gas filters and composite filters. Requirements, testing, marking";

- LST EN 14605 "Protective clothing against liquid chemicals. Performance requirements for clothing with liquid-tight (Type 3) or spray-tight (Type 4) connections, including items providing protection to parts of the body only (Types PB [3] and PB [4])".

- LST EN ISO 16321-1 „Eye and face protection equipment for work". Part 1. General requirements (ISO 16321-1: 2021)";

- LST EN ISO 16321-3 „Eye and face protection equipment for work". Part 3. Additional requirements for mesh guards (ISO 16321-3:2021)";

- LST EN ISO 20345 "Personal protective equipment. Safe footwear (ISO 20345: 2011)";

- LST EN ISO 21420 „Protective gloves. General requirements and test methods".

Other regulatory information related to the product and its ingredients:

- The product contains formaldehyde (less than 0.1% in the product) subject to the following:

  - ✓ According to the Law on the Supervision of Poisonous Substances of the Republic of Lithuania, is a poisonous substance;
  - ✓ Formaldehyde is subject to restrictions according to entries 72, 75 and 77 of Annex XVII of Regulation (EC) No 1907/2006. Among the restrictions, the following apply:
    - Formaldehyde, CAS No 50–00–0 EB, No 200–001–8, and formaldehyde-releasing substances shall not be placed on the market in articles, after 6 August 2026, if, under the test conditions specified in Appendix 14, the concentration of formaldehyde released from those articles exceeds: (a) 0.062 mg/m^3 for furniture and wood-based articles; (b) 0.080 mg/m^3 for articles other than furniture and wood-based articles. These requirements shall not apply to: (b) articles that are exclusively for outdoor use under foreseeable conditions; (c) articles in constructions, that are exclusively used outside the building shell and vapour barrier and that do not emit formaldehyde into indoor air; (d) articles exclusively for industrial or professional use unless formaldehyde released from them leads to exposure of the general public under foreseeable conditions of use; (e) articles for which the restriction laid down in entry 72 of Annex XVII of Regulation (EC) No 1907/2006 applies; (f) articles that are biocidal products within the scope of Regulation (EU) No 528/2012 of the European Parliament and of the Council; (g) devices within the scope of Regulation (EU) 2017/745; (h) personal protective equipment within the scope of Regulation (EU) 2016/425; (i) articles intended to come into contact directly or indirectly with food within the scope of Regulation (EC) No 1935/2004; (j) second-hand articles.
  - ✓ Occupational exposure limit values are set for formaldehyde according to the hygiene standard HN 23 of the Republic of Lithuania (Section 8.1.1).

- The product contains formaldehyde (less than 0.1% in the product) subject to the following:

  - ✓ The product (mixture) does not contain substances included in the Candidate List of Substances of Very High Concern composed according to Article 59 (1) of Regulation (EC) No 1907/2006. Melamine is included in this list according to Article 57 (f) of Regulation (EU) No 1907/2006. "substances – such as those having endocrine disrupting properties or those having persistent, bioaccumulative and toxic properties or very persistent and very bioaccumulative properties, which do not fulfil the criteria of points (d) or (e) of Regulation No 1907/2006 – for which there is scientific evidence of probable serious effects to human health or the environment which give rise to an equivalent level of concern to those of other substances listed in points (a) to (e) of Regulation No 1907/2006".
  - ✓ Melamine is subject to the current assessment by the responsible authorities of the European Union whether to assign it to PBT or not.
  - ✓ Melamine is subject to the current assessment by the responsible authorities of the European Union whether to assign it to endocrine disrupting substances or not.
  - ✓ Occupational exposure limit values are set for melamine according to the hygiene standard HN 23 of the Republic of Lithuania (Section 8.1.1).

- Formaldehyde contained in the product (less than 0.1 %) is a toxic substance according to the Law on the Supervision of Toxic Substances of the Republic of Lithuania.

- The product is not subject to restrictions under this Regulation.

15.2. Chemical safety assessment

Since the product does not meet the classification criteria according to Regulation (EC) No 1272/2008, the chemical safety assessment for it according to Article 14 of Regulation (EC) No 1907/2006 has not been carried out.

SECTION 16: Other information

- **Revision date:** 28/02/2026
- **Version No:** 15.0
- **Revision No:** 0
- **Amendment date:** 28/02/2026

(a) Amendments indicated: The following changes have been made to the safety data sheet as compared to the previous version:
Headline of SDS: new brand of resin has been added; revision date, version number and issuing date of this safety data sheet has been changed.
- section 16: Revision date, version number and issuing date of this safety data sheet has been changed.

(b) Explanation of abbreviations and acronyms used in the safety data sheet:
ADR – European Agreement on Dangerous Goods by Road;
ATE – acute toxicity estimate;
C – concentration;
EC – European Communities;
EC No – EINECS and ELINCS numbers;
EU – European Union;
EINECS – European Inventory of Existing Commercial Chemical Substances;
HN – Hygiene regulations;
IATA – International Air Transport Association;
IMO – International Maritime Organization;
LTEL – long-term exposure limit;
UN – United Nations;
LC50 – Lethal concentration for 50 % of the tested population;
LD50 – lethal dose of for 50 % of the tested population (median lethal dose);
TLV – threshold limit value;
PBT – persistent, bioaccumulative and toxic;
RID – Regulations concerning the International Carriage of Dangerous Goods by Rail;

SDS – Safety Data Sheet
SMGS – Agreement on International Goods Transport by Rail;
STELV – short-term exposure limit value;
vPvB – Very persistent and very bioaccumulative.

(c) Key literature references and sources for data:
1) Registration of formaldehyde according to the REACH dossier is published on the website of the European Chemicals Agency.
2) Registration of urea according to the REACH dossier is published on the website of the European Chemicals Agency.
3) Melamine safety data sheet.
4) Substance Database https://gestis-database.dguv.de/ .

(d) Methods for assessing the information referred to in Article 9 of Regulation (EC) No 1272/2008 used for the classification of the product:

Classification in accordance with Regulation (EC) No 1272/2008	Classification procedure
The product does not meet the classification criteria to provisions of Regulation (EC) No 1272/2008.	The product is classified as not meeting the classification criteria under Regulation (EC) No 1272/2008, as the concentration of dangerous substances contained is lower than the general cut-off value as specified in Table 1.1 of Regulation (EC) No 1272/2008, which is ≥ 0.1 %.

(e) List of hazard statements and/or precautionary statements.
H301: Toxic if swallowed.
H311: Toxic 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.
H331: Toxic if inhaled.
H335: May cause respiratory irritation.
H341: Suspected of causing genetic defects.
H350: May cause cancer.
EUH208: Contains formaldehyde. May cause an allergic reaction.
EUH210: Safety data sheet available on request.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313: If eye irritation persists: Get medical advice/attention.

- Training advice on staff to ensure the protection of people and the environment

People who manufacture, handle, use and store this product must be trained to work with chemicals, have adequate hygiene skills and knowledge on the product properties, potential hazards, working methods, personal protective equipment, first aid principles, and information on emergency procedures. This safety data sheet must be made available to those working with the product. Individuals must be instructed before working with the product.

- Additional information indicated on the label of the mixture:
Visual sign No 14 (indicating the upper limit of 25 °C) according to LST EN ISO 780.

NOTE. The information provided in this safety data sheet must be made available to anyone working with the chemical, and preparation. The data comply with our current knowledge and are intended to describe the chemical product regarding the aspects of occupational safety and health and environmental protection. The information of the Safety Data Sheet will be supplemented by new data on the health and environmental effects of the substance preparation, and on preventive measures to reduce or eliminate the hazards, when they are available. The information provided in the safety data sheet does not reveal any other specific properties of the substance or mixture.

This version replaces all previous documents.

The end of the Safety Data Sheet.