

Prepared in accordance with Annex II of REACH Regulation (EC) 1907/2006 with its amendment Regulation (EU) 2020/878

Vi-Pro® EPDM Paste Adhesive 903

Version: 2.0/EN Date: 02.01.2023

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product name : Vi-Pro EPDM Paste Adhesive 903

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

Identified uses: adhesive, for professional use.

Uses advised against: other than those indicated above.

1.3 Details of the supplier of the safety data sheet:

Distibutor: Proventuss Polska Sp. z o.o.

Address: ul. Flisa 4, 02-247 Warszawa, Polska

Telephon: +48 22 122 85 49 E-mail address of the person responsible: reach@vi-pro.eu

1.4 Emergency telephone number:

Emergency number: 112

2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 2 H225: Highly flammable liquid and vapour.

Eye irritation, Category 2 H319: Causes serious eye irritation.

Aquatic Chronic 2 H411: Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



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Signal word Danger

Hazard statements

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and

other ignition sources. No smoking.

P262 Do not get in eyes, on skin, or on clothing.
P280 Wear protective gloves/ protective clothing

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue

rinsing.

P312 Call a POISON CENTER/doctor if you feel unwell.
P402+P404 Store in a dry place. Store in a closed container.

P501 Dispose of contents/container in accordance with

local/regional/national/international regulations.

Additional information

EUH208 Contains: zinc bis(dibutyl dithiocarbamate). May cause an allergic reaction.

2.3 Other hazards

The substances in the mixture have not been identified as PBT or vPvB substances.vPvB: Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1. Substances not applicable.
- 3.2. Mixtures.



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Chemical name	Identification	Classification	Concentration
ethyl acetateREACH 01-2119475103- 46-XXXX	Index: 607-022-00-5 CAS: 141-78-6 EINECS: 205-500-4	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 EUH066	10 - < 20%
Cyclohexane REACH 01-2119463273-41-XXXX	Index: 601-017-00-1 CAS: 110-82-7 EINECS: 203-806	Flam. Liq. 2; H225 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Acute 1; H400 Aquatic Chronic 2; H410	5 - < 10%
post-reaction mass of octadecanamide, 12-hydroxy-N-[2-[(1-oxodecyl)amino]ethyl and N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide) and N,N'-1,2-ethanediylbis REACH 01-2119545465-35-XXXX	Index: — CAS: — EINECS: 907-495-0	Aquatic Chronic 3; H412	1 - < 2,5%
zinc bis(dibutyl dithiocarbamate) REACH 01-2119535161-51-XXXX	Index: 006-081-00-9 CAS: 136-23-2 EINECS: 205-232-8	Eye Irrit. 2; H319 Skin Irrit. 2; H315 Skin Sens. 1; H317 STOT SE 3; H335 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	< 1%

Substances with specific maximum workplace concentrations: ethyl acetate; cyclohexane. See section 16 for the full text of the H-phrases.

4. FIRST - AID MEASURES

General comments:

In the event of an accident/accident or if you feel unwell, seek medical advice immediately. Seek medical advice if symptoms persist or in any doubt.

Protection of first aiders:

First aiders should take care of their own safety and use personal protective equipment in case of potential exposure.



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After inhalation exposure:

Remove to fresh air in case of inhalation. Obtain medical attention if symptoms occur.

After skin contact:

In case of skin contact, rinse skin immediately with plenty of water. Get medical attention if symptoms occur.

After eye contact:

In case of eye contact immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if used and can be easily removed. Seek medical advice.

After ingestion:

In case of ingestion DO NOT induce vomiting. Obtain medical attention if symptoms occur. Rinse mouth thoroughly with water

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

Irritating to skin. See also section 11.

4.3 Indication of any immediate medical attention and special treatment needed treatment of the affected person:

Treat symptomatically and supportively.

5. FIRE - FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Highly flammable product. Extinguish fire with dry extinguishing powders. Cool fire endangered containers with water spray.

Unsuitable extinguishing media: strong water jet.

5.2 Special hazards arising from the substance or mixture:

Specific hazards during firefighting: do not use a dense stream of water as it may disperse and spread the fire. Exposure to products of combustion may cause health hazards. Hazardous combustion products: carbon oxides and other unidentified pyrolysis products.

5.3 Information for fire-fighters:

Special protective equipment for firefighters: Wear closed-circuit breathing apparatus in case of fire. Use personal protective equipment.



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Special extinguishing methods: Use extinguishing agents appropriate to local conditions and environment. Use water spray to cool closed containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Personal precautions: Ensure adequate ventilation. Wear personal protective equipment. Follow recommendations for safe handling and use of personal protective equipment. Prevent formation of flammable air/vapour mixtures. Eliminate all sources of ignition. Eliminate static electricity by ensuring that all conductive surfaces on which static electricity can arise are earthed and interconnected.

6.2 Environmental precautions:

Do not allow to enter drains or surface water.

6.3 Methods and materials for containment and cleaning up:

Methods for cleaning up: Absorb in inert absorbent material. Suppress (beat off) gases/vapours/mist with water spray. In case of large spillages, contain the spill using bunding or other suitable remedial methods. If the diked material can be pumped out, store the recovered material in a suitable container.

6.4 References to other sections:

Section 7 information on safe use. Section 8 information on individual precautions. Section 13 information on waste handling.

7. HANDLING AND STORAGE OF SUBSTANCES AND MIXTURES

7.1 Precautions for safe handling

Remove all sources of ignition - no smoking. Ensure adequate ventilation, also at ground level, as vapours are heavier than air and may migrate above ground level. Vapours may form explosive mixtures with air. The product may be used in an area from where all sources of open flame and other sources of ignition have been removed. Do not smoke. Do not use sparking tools or equipment. Take precautions against electrostatic discharge - proper zeroing and earthing of containers. Avoid



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contamination of eyes, skin and clothing. Do not inhale vapours, aerosols or sprays generated during use of the product. Wear appropriate personal protective equipment - see section 8. Do not eat, drink or smoke when handling the product.

Follow the recommendations of the ATEX95 - 94/9/EC directive on the essential requirements for equipment and protective systems intended for use in potentially explosive atmospheres - see also OJ. 2005, no. 263, item 2203. Follow the recommendations of directive ATEX137 - 99/92/EC on minimum requirements for the safety and health protection of workers potentially at risk from explosive atmospheres. Observe the recommendations on the label and those applicable when handling chemical agents. See also sections 6 and 8.

The product forms explosive mixtures with air, which migrate over the ground and may re-ignite on contact with distant sources of ignition. Electrical equipment, ventilation equipment, etc. must be made in explosion protection. Workers should wear clothing and footwear made of anti-electrostatic materials. The floor of working and storage rooms should be made of electrically conductive materials. Take precautions to prevent electrostatic discharge.

7.2 Conditions for safe storage, including any incompatibilities

Always store product in original sealed containers in a cool, dry and well-ventilated place away from heat sources. Do not smoke. Keep out of reach of unauthorised persons. Seal containers tightly after use and place upright. See also section 10. Do not store with food, drink or feed.

7.3 Specific end use(s)

In accordance with section 1.2 of the Charter.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters:

Maximum permissible concentrations and intensities of harmful factors for health in the working environment - legal basis: Regulation of the Minister of Family, Labour and Social Policy of 2018, as amended, item 1286 on maximum permissible concentrations and intensities of harmful factors for health in the working environment (Journal of Laws 2018, item 1286, as amended).

	NDS	NDSCh	NDSP
Cyclohexane [110-82-7]	300 mg/m ³	1.000 mg/m ³	



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Ethyl	acetate	[141-78-6]	734 mg/m ³	1468 mg/m ³	

DNEL values of components under acute and chronic exposure conditions:

DNEL - Derived No-Effect Level - the estimated exposure level at which no adverse effect is found.

Cykloheksan (CAS: 110-82-7) Data for employees

Exposure route	Exposure period	Effects of exposure	DNEL Value
Respiratory route (inhalation) Respiratory route (inhalation)	Short-term (sharp) Short-term (sharp)	Systemic Local	700 mg/m3 700 mg/m3
Skin	Long-term	Systemic	2016 mg/kg body weight/day
Respiratory route (inhalation) Respiratory route (inhalation)	Long-term Long-term	Systemic Local	200 mg/m3/day 700 mg/m3/day
Consumer data			
Exposure route	Exposure period	Effects of exposure	DNEL Value
Respiratory route (inhalation) Respiratory route (inhalation) Respiratory route (inhalation) Respiratory route (inhalation) Skin	Short-term (sharp) Short-term (sharp) Long-term Long-term Long-term	Systemic Local Systemic Local Systemic	412 mg/m3 412 mg/m3 206 mg/m3/day 206 mg/m3/day 1186 mg/kg body weight/day
Digestive route	Long-term	Systemic	59,4 mg/kg body weight/day

Octan etylu (CAS: 141-78-6). Data for employees

Exposure route	Exposure period	Effects of exposure	DNEL Value
Skin	Long-term	Systemic	63 mg/kg body weight per day
Airway (Inhalation)	Short-term	Systemic	1468 mg/m3
Airway (Inhalation	Short-term	Miejscowe	1468 mg/m3
Airway (Inhalation)	Long-term	Systemic	734 mg/m3
Airway (Inhalation)	Long-term	Local	734 mg/m3



Safety Data Sheet
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Exposure route	Exposure period	Effects of	DNEL Value
Digestive route	Long-term	exposure Systemic	4,5 mg/kg body weight
Skin	Long-term	Systemic	37 mg/kg body weight per day
Airway (Inhalation)	Short-term	Systemic	734 mg/m3
Airway Inhalation)	Short-term	Local	734 mg/m3
Airway (Inhalation)	Long-term	Systemic	734 mg/m3
Airway (Inhalation)	Long-term	Local	734 mg/m3

PNEC values of product components for the aquatic environment and biological sewage treatment plants:

PNEC - Predicted No-Effect Concentration - Estimated no-effect concentration

Environmental compartment	Ethyl acetate (CAS: 141-78-6)	Cyclohexane (CAS: 110-82-7).	
Fresh water	0,26 mg/L	0,207 mg/L	
Seawater	0,026 mg/L	0,207 mg/L	
Intermittent discharges (fresh water)	1,65 mg/L	0,207 mg/L	
Freshwater sediment	1,25 mg/kg	3,627 mg/kg dry matter	
Marine sediment	0,125 mg/kg	3,627 mg/kg dry matter	
Soil	0,24 mg/kg	2,99 mg/kg dry matter	
Biological wastewater treatment plants	650 mg/L	3,24 mg/L	
Environmental compartment	PNEC values for zinc, wg Ris Priority List. Vol. 45. Europe General Joint Research Cen	an Commission Directorate	
Fresh water (hardness: 24 mg/L as CaCO ₃)	7,8 µg/L (zinc dissolved 21		
Seawater (hardness: <24 mg/L as CaCO3)	3,1 µg/L (zinc dissolved)		
Freshwater sediment	49 mg/kg sludge dry matter		
Marine sediment	11 mg/kg wet sludge weigh	t	
Biological wastewater treatment plants	52 μg/L (zinc dissolved)		
Soil	26 mg/kg soil dry matter soil mass	23 mg/kg mdetermination of	
Environmental compartment	Post-reaction masses of oct [2-[(1-oxodecyl)amino]ethyl diylbis(12-hydroxyoctadeca ethanediylbis (.WE: 907-495	n-1-amide) and N,N'-1,2-	
Fresh water	43,2 µg/L	, , , , , , , , , , , , , , , , , , , 	
Seawater	4,32 μg/L		
	.,5- 40, -		
Freshwater sediment	1080 mg/kg dry matter		



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Marine sediment Biological wastewater treatment plants Soil 108 mg/kg dry matter 10 mg/L

217 mg/kg dry matter

8.2 Exposure controls

General requirements: Minimise exposure concentrations in the workplace. Use only in rooms equipped with explosion-proof exhaust ventilation. Use local exhaust ventilation.

Eye/face protection

Wear sealed safety glasses, goggles, complying with EN 166-168, 170.

Hand protection

Suitable protective gloves, e.g. nitrile rubber, meeting the requirements of EN 374, EN 388:4101 (during grinding) or EN 374-3, with a breakthrough time of more than 480 minutes. Protective gloves with a cotton lining are recommended, which must be removed after a single use. The protective properties of gloves depend not only on the type of material from which they are made. The duration of the protective effect can vary from one glove manufacturer to another. For many substances, it is not possible to accurately estimate the protective effect time of the glove. Taking into account the glove specifications given by the manufacturer, it has to be observed during the application of the product whether the gloves still retain their protective properties.

Respiratory protection

Ensure adequate ventilation of the working rooms. Wear respiratory protection under conditions of inadequate ventilation, in conditions of exposure to concentrations higher than the MAK in the air of the working environment, e.g. masks with absorber type AXP3, in accordance with EN371. Wear self-contained breathing apparatus in emergency situations, in conditions of exposure to unknown concentrations, when the oxygen content in the air is less than 17%. Seek specialist advice on selection of suitable respiratory protective equipment.

Thermal hazards: Not applicable.

Environmental exposure controls: do not allow to spread in the environment or to enter drains or watercourses.

9. PHYSICAL AND CHEMICAL PROPERTIES



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9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form: Pasty
Colour: Dark grey
Odour: Characteristic
Odour threshold: Not determined.
pH-value: Not applicable.

Change in condition

Melting point/freezing point: Undetermined.

Initial boiling point and boiling range: 77 °C Flash point: -8 °C

Ignition temperature: Not determined. **Decomposition temperature:** Not determined.

Auto-ignition temperature: Product is not self-igniting.

Explosive properties: Product is not explosive. However, formation of

explosive air/vapour mixtures are possible.

Explosion limits:

Lower:2.1 Vol %Upper:11.5 Vol %Vapour pressure at 20 °C:97 hPaDensity at 20 °C:1.2 g/cm³

Vapour densityNot determined.Evaporation rateNot determined.

Solubility in / Miscibility with

water(20°C): Not miscible or difficult to mix.

Partition coefficient: n-octanol/water: Not determined.

Viscosity:

Dynamic at 20 °C: 4,500,000 mPas

Solvent content:

 Organic solvents:
 22.0 %

 VOC (EG)
 264.0 g/l

 VOC% (EC)
 22.00 %

 Solids content:
 76.5 %

Particle characteristics not applicable



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9.2 Other information

Organic solvent content: 22,0%

Volatile organic compound (VOC) content: 22.0% 264.0 g/l

Dry residue: 76.5%

Explosive properties none shown; the product is not explosive; however,

it may form explosive vapour mixtures with air

Oxidising properties not shown.

10. STABILITY AND REACTIVITY

10.1 Reactivity

Not classified as a reactivity hazard. Not subject to hazardous polymerisation.

10.2 Chemical stability

Stable under normal conditions of use and storage.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

Not known.

10.5 Incompatible materials

Avoid strong acids and bases.

10.6 Hazardous decomposition products

Hazardous decomposition products are not known.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:

Not classified based on available information.



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Cyclohexane (CAS: 110-82-7)

LD50, after oral administration to rats: >5,000 mg/kg bw LD50, after oral administration to rabbits: >2 000 mg/kg bw

Ethyl acetate (CAS: 141-78-6)

LD50, after oral administration to rabbits: 5 620 mg/kg body weight LC50, under 4-hour rat inhalation exposure conditions: 1 600 mg/L

Zinc bis(dibutyl dithiocarbamate) (CAS: 136-23-2)

LD50, after oral administration to rats: >2 000 mg/kg bw

Skin corrosion/irritation:

Not classified based on available information.

Serious eye damage/eye irritation:

Irritating to eyes.

Respiratory or skin sensitisation:

Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

Specific target organ toxicity - single exposure.

Not classified based on available information.

Toxic effects on target organs - repeated exposure

Not classified based on available information.

Aspiration hazard

Not classified based on available information.

11.2 Information on other hazards

Health effects due to endocrine disrupting properties - no data available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity:

Toxic to aquatic organisms with long lasting effects. Do not allow product to be released into the environment. Do not allow discharge of product into drains, surface water or soil pollution.



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Cyclohexane (CAS: 110-82-7)

LC50 under 96-hour exposure conditions for fish, Pimelas promelas: 4.53 mg/L.

EC50 under 48-hour exposure conditions for freshwater crustaceans, Daphnia magna: 0.9 mg/L.

EC50 under 72-hour exposure conditions for algae: 3.4 mg/L.

Ethyl acetate (CAS: 141-78-6)

LC50 under 96-hour fish exposure conditions: >230 mg/L.

EC50 under 24-hour exposure conditions for freshwater crustaceans, Daphnia magna: >164 mg/L

12.2 Persistence and degradability:

No data available for the product.

12.3. Bioaccumulative potential

No data available for the product.

12.4. Mobility in soil

No data available for the product.

12.5 Results of PBT and vPvB assessment

Not applicable.

12.6 Endocrine disrupting properties

No data available for the product.

12.7 Other adverse effects

The product is classified as class 2 harmful to water according to the German classification (harmful effects). The product is harmful to drinking water intakes, even when released in small quantities into the soil.

13. DISPOSAL CONSIDERATIONS

13.1 Waste disposal methods

Do not dispose into drains, sewers, ditches, waterways. Do not dispose of with municipal waste. The product and its packaging must be disposed of safely in a suitable place in accordance with the regulations in force. Empty containers completely. Treat uncleaned containers as product waste.



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Proposed waste classification below. The final waste classification depends on the conditions and place of use of the product. This waste classification may be considered.

08 - Wastes from the manufacture, formulation, marketing and use of coatings (paints, varnishes, ceramic enamels), adhesives, sealants and printing inks

08 04 - Wastes from the manufacture, formulation, marketing and use of adhesives and sealants (including waterproofing products).

08 04 09* - Waste adhesives and sealants containing organic solvents or other dangerous substances.

14. TRANSPORT INFORMATION

14.1 UN number or ID number

UN 1133

14.2 UN proper shipping name

ADHESIVES

14.3. Transport hazard class(es)

3

14.4 Packing group

Ш

14.5. Environmental hazards

Product hazardous to the aquatic environment.

14.6 Special precautions for user

Highly flammable product. Taking into account the viscosity of the product, the product is classified in accordance with the criteria given in ADR, Part 2, Chapter 2.2, Paragraph 2.2.3.1.4.

14.7 Sea transport in bulk according to IMO instruments

Not applicable.

15. REGULATORY INFORMATION

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



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1272/2008/EC Regulation of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC and amending Regulation (EC) No 1907/2006 with later died 1907/2006/EC Regulation on 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 793/93 and 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, as amended. died 2020/878 Commission Regulation amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).

2008/98/EC Directive of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain directives.

94/62/EC Directive of the European Parliament and of the Council of 20 December 1994 on packaging and packaging waste.

Regulation of the Minister of Family, Labor and Social Policy of June 12, 2018, item 1286 on the highest permissible concentrations and intensities of factors harmful to health in the work environment (Journal of Laws of 2018, item 1286, as amended).

15.2. Chemical safety assessment

A security assessment is not required.

16. OTHER INFORMATION

Directive 2012/18/EC The product does not contain substances listed in Annex I.

Seveso category: E2: Substances hazardous to the aquatic environment. P5c: Flammable liquids.

Qualifying quantities (tonnes) for the application of lower-tier requirements: 200 t

Qualifying quantities (tonnes) for the application of the upper-tier requirements: 500 t

Regulation (EC) No 1907/2006 ANNEX XVII Conditions for restriction: 3, 57.

Relevant phrases

H225 Highly flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.



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H336 May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

Full text of abbreviations:

Asp. tox. 1 Aspiration hazard; category 1. Eye Irrit. 2 Eye irritation; category 2. Flam. Liq. 2 Flammable liquid; category 2. Skin Sens. 1 Sensitization (skin); category 1.

STOT SE 3 Critical organ toxicity - single exposure; category 3.

vPvB Very persistent and very bioaccumulative.
PBT Persistent, bioaccumulative and toxic

The information contained in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the time of publication. The information provided is intended only as guidance for safe handling, use, processing, storage, transportation, disposal, and release, and is not to be considered a warranty or quality specification. This information relates only to the designated specific material and may be invalidated if the material is used in combination with any other materials or in any process other than as specified in this text. Users of the material should review the information and recommendations in the specific context of their intended product handling, use, processing and storage, including an assessment of the suitability of the material of this Safety Data Sheet in the end user's product, if applicable.

Update date: 02/01/2023

Version: 2.0/EN

Changes: adapting the provisions of the Safety Data Sheet to the requirements of Regulation

2020/878

End of SDS.