

Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878 Issue date: 2/11/2019 Revision date: 1/2/2023 Version: 2.00

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

1.1. Product identifier

Product form : Mixture

Name : Multifunctional microfiber putty

Trade name : HYBRYD 200

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

1.2.1. Relevant identified uses

Use of the substance/mixture : The product is intended for professional use

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

NOVOL Sp. z o.o. Żabikowska 7/9 62-052 KOMORNIKI

Poland

T 0048618109800 - F 0048618109809

www.novol.com

E-mail address of competent person responsible for the SDS: dokumentacja@novol.com

1.4. Emergency telephone number

Emergency number : 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flammable liquids, Category 3

Skin corrosion/irritation, Category 2

H315

Serious eye damage/eye irritation, Category 2

H319

Reproductive toxicity, Category 2

H361d

Specific target organ toxicity – Repeated exposure, Category 1

H372

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)





GHS02

GHS07

GHS08

Signal word (CLP) : Danger
Contains : styrene

Hazard statements (CLP) : H226 - Flammable liquid and vapour.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H361d - Suspected of damaging the unborn child.

H372 - Causes damage to organs (hearing organs) through prolonged or repeated

exposure.

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Precautionary statements (CLP) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking.

P260 - Do not breathe dust, vapours.

P271 - Use only outdoors or in a well-ventilated area.

P280 - Wear protective gloves, protective clothing, eye protection, face protection.

P312 - Call doctor if you feel unwell.

EUH-statements : EUH211 - Warning! Hazardous respirable droplets may be formed when sprayed. Do not

breathe spray or mist.

2.3. Other hazards

Other hazards which do not result in classification

: Vapour could form explosive mixture with air. Vapours are heavier than air and spread above ground. Hazardous polymerization may occur if exposed to high temperature.

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
styrene substance with national workplace exposure limit(s) (GB) (Note D)	CAS-No.: 100-42-5 EC-No.: 202-851-5 EC Index-No.: 601-026-00-0 REACH-no: 01-2119457861- 32	10 – 20	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 2, H361d STOT RE 1, H372
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] substance with national workplace exposure limit(s) (GB) (Note V)(Note W)(Note 10)	CAS-No.: 13463-67-7 EC-No.: 236-675-5 EC Index-No.: 022-006-00-2 REACH-no: 01-2119489379- 17	< 15	Carc. 2, H351
N-ethyl-2-pyrrolidone; 1-ethylpyrrolidin-2-one	CAS-No.: 2687-91-4 EC-No.: 220-250-6 EC Index-No.: 616-208-00-5 REACH-no: 01-2119472138- 36	< 0.2	Eye Dam. 1, H318 Repr. 1B, H360Df

Note 10 : The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter \leq 10 μ m.

Note D: Certain substances which are susceptible to spontaneous polymerisation or decomposition are generally placed on the market in a stabilised form. It is in this form that they are listed in Part 3. However, such substances are sometimes placed on the market in a non-stabilised form. In this case, the supplier must state on the label the name of the substance followed by the words 'non-stabilised'.

Note V : If the substance is to be placed on the market as fibres (with diameter $< 3 \mu m$, length $> 5 \mu m$ and aspect ratio $\ge 3:1$) or particles of the substance fulfilling the WHO fibre criteria or as particles with modified surface chemistry, their hazardous properties must be evaluated in accordance with Title II of this Regulation, to assess whether a higher category (Carc. 1B or 1A) and/or additional routes of exposure (oral or dermal) should be applied.

Note W: It has been observed that the carcinogenic hazard of this substance arises when respirable dust is inhaled in quantities leading to significant impairment of particle clearance mechanisms in the lung. This note aims to describe the particular toxicity of the substance; it does not constitute a criterion for classification according to this Regulation.

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Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : General information. Refer to section 11.

First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable

for breathing.

First-aid measures after skin contact : After contact with skin, take off immediately all contaminated clothing, and wash

immediately with plenty of water and soap. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention. If skin irritation continues, consult a doctor.

First-aid measures after eye contact

: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy

to do. Continue rinsing. Call a physician immediately. In case of contact with eyes, rinse

immediately with plenty of water and seek medical advice.

First-aid measures after ingestion : If swallowed: rinse mouth. Do NOT induce vomiting. Call a physician immediately.

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

Symptoms/effects after inhalation : Vapours may cause drowsiness and dizziness.

Symptoms/effects after skin contact : Prolonged or repeated contact may cause skin to become dry.

Symptoms/effects after eye contact : May cause eye irritation.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Dry chemical, CO2, alcohol-resistant foam or waterspray.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Carbon monoxide. Other toxic gases.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained

breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Remove ignition sources. Ensure that there is a suitable ventilation system. Avoid any direct

or indirect contact with ingredients released. Avoid contact with skin and eyes. Use personal

protective equipment as required. See Section 8.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. See Section 8.

6.2. Environmental precautions

Avoid release to the environment. Do not allow to enter into surface water or drains. Do not allow product to reach ground water, water bodies or sewage system, even in small quantities.

6.3. Methods and material for containment and cleaning up

For containment : Cover spill with non combustible material, e.g.: sand, earth, vermiculite. Mechanically

recover the product.

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6.4. Reference to other sections

Disposal considerations. See Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks,

open flames and other ignition sources. No smoking. Use only outdoors or in a well-

ventilated area. Wear personal protective equipment.

Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be

allowed out of the workplace. Do not eat, drink or smoke when using this product. Always

wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground/bond container and receiving equipment.

Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

styrene (100-42-5)		
United Kingdom - Occupational Exposure Limits		
Local name	Styrene	
WEL TWA (OEL TWA) [1]	430 mg/m³	
WEL TWA (OEL TWA) [2]	100 ppm	
WEL STEL (OEL STEL)	1080 mg/m³	
WEL STEL (OEL STEL) [ppm]	250 ppm	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	
titanium dioxide; [in powder form containing	1 % or more of particles with aerodynamic diameter ≤ 10 μm] (13463-67-7)	
United Kingdom - Occupational Exposure Limits		
Local name	Titanium dioxide	
WEL TWA (OEL TWA) [1]	4 mg/m³ respirable 10 mg/m³ total inhalable	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	

8.1.2. Recommended monitoring procedures

Monitoring methods	
Monitoring methods	EN 482. Workplace exposure - General requirements for the performance of procedures
	for the measurement of chemical agents.

8.1.3. Air contaminants formed

No additional information available

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8.1.4. DNEL and PNEC

DNEL/DMEL (Workers) Acute - systemic effects, inhalation 100 mg/m³ Acute - local effects, inhalation 100 mg/m³ Long-term - systemic effects, inhalation 100 mg/m³ DNEL/DMEL (General population) Acute - systemic effects, inhalation 100 mg/m³ DNEL/DMEL (General population) Acute - systemic effects, inhalation 10 mg/m³ Acute - local effects, inhalation 1 mg/m³ Long-term - systemic effects, inhalation 1 mg/m³ Long-term - systemic effects, inhalation 1 mg/m³ PNEC (Water) PNEC (Water) PNEC qual (freshwater) 0.04 mg/l PNEC aqua (freshwater) 0.04 mg/l PNEC sediment (freshwater) 0.418 mg/kg dwt PNEC sediment (marine water) 0.418 mg/kg dwt PNEC sediment (marine water) 0.418 mg/kg dwt PNEC (Soil) PNEC (Soil) PNEC (Soil) PNEC (Soil) N-ethyl-2-pytrolidone; 1-ethylpytrolidin-2-one (2687-91-4) DNEL/DMEL (Workers) Acute - local effects, inhalation 20.1 mg/m³ Long-term - systemic effects, inhalation 16.75 mg/m³ Long-term - systemic effects, inhalation 10.05 mg/m³ DNEL/DMEL (General population)	styrene (100-42-5)		
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N-ethyl-2-pyrrolidone; 1-ethylpyrrolidin-2-one (2687-91-4) DNEL/DMEL (Workers) Acute - local effects, inhalation 20.1 mg/m³ Long-term - systemic effects, dermal 4 mg/kg bodyweight/day Long-term - systemic effects, inhalation 16.75 mg/m³ Long-term - local effects, inhalation 10.05 mg/m³ DNEL/DMEL (General population)	PNEC sediment (marine water)	0.418 mg/kg dwt	
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Long-term - systemic effects, dermal 4 mg/kg bodyweight/day Long-term - systemic effects, inhalation 16.75 mg/m³ Long-term - local effects, inhalation 10.05 mg/m³ DNEL/DMEL (General population)	DNEL/DMEL (Workers)		
Long-term - systemic effects, inhalation 16.75 mg/m³ Long-term - local effects, inhalation 10.05 mg/m³ DNEL/DMEL (General population)	Acute - local effects, inhalation	20.1 mg/m³	
Long-term - local effects, inhalation 10.05 mg/m³ DNEL/DMEL (General population)	Long-term - systemic effects, dermal	4 mg/kg bodyweight/day	
DNEL/DMEL (General population)	Long-term - systemic effects, inhalation	16.75 mg/m³	
	Long-term - local effects, inhalation	10.05 mg/m³	
Acute - local effects, inhalation 1.2 mg/m³	DNEL/DMEL (General population)		
	Acute - local effects, inhalation	1.2 mg/m³	
Long-term - systemic effects,oral 0.5 mg/kg bodyweight/day	Long-term - systemic effects,oral	0.5 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation 1 mg/m³	Long-term - systemic effects, inhalation	1 mg/m³	
Long-term - systemic effects, dermal 0.5 mg/kg bodyweight/day	Long-term - systemic effects, dermal	0.5 mg/kg bodyweight/day	
Long-term - local effects, inhalation 1.2 mg/m³	Long-term - local effects, inhalation	1.2 mg/m³	
PNEC (Water)	PNEC (Water)		
PNEC aqua (freshwater) 0.25 mg/l	PNEC aqua (freshwater)	0.25 mg/l	
PNEC aqua (marine water) 0.025 mg/l	PNEC aqua (marine water)	0.025 mg/l	
PNEC aqua (intermittent, freshwater) 1 mg/l	PNEC aqua (intermittent, freshwater)	1 mg/l	
PNEC (Sediment)	PNEC (Sediment)		
PNEC sediment (freshwater) 1.25 mg/kg dwt	PNEC sediment (freshwater)	1.25 mg/kg dwt	
PNEC sediment (marine water) 0.125 mg/kg dwt	PNEC sediment (marine water)	0.125 mg/kg dwt	

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N-ethyl-2-pyrrolidone; 1-ethylpyrrolidin-2-one (2687-91-4)	
PNEC (Soil)	
PNEC soil	0.104 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	10 mg/l

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):







8.2.2.1. Eye and face protection

Eye protection:

Safety glasses

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves

Hand protection					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Viton® II	6 (> 480 minutes)	0,7 mm		EN 374-3
Disposable gloves	Nitrile rubber (NBR)	2 (> 30 minutes)	0,4 mm		EN 374-3

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Respiratory protection			
Device	Filter type	Condition	Standard
Gas mask with filter type	Filter A1/B1		EN 14387

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid Colour : Green.

Odour characteristic. Sweet. Odour threshold 0.43 mg/m3 styrene Not applicable Melting point Freezing point Not available Boiling point 110 - 140 °C Flammability Not applicable Explosive properties : No data available. **Explosive limits** : Not available Lower explosion limit 1.1 vol % styrene Upper explosion limit : 8 vol % styrene

: 25 °C Flash point · 490 °C Auto-ignition temperature Decomposition temperature : Not available рΗ : Not available Viscosity, kinematic : Not available Solubility : Slightly soluble. Partition coefficient n-octanol/water (Log Kow) : Not available Vapour pressure : 7.3 hPa styrene Vapour pressure at 50°C : Not available : 1.4 g/cm³ Density Relative density : Not available Relative vapour density at 20°C : Not available Relative density of saturated gas/air mixture : 3.6 styrene Particle characteristics : Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Can react violently with alkalis, as well as a lot of organic products such as alcohols and amines. Hazardous polymerization may occur if exposed to high temperature.

10.4. Conditions to avoid

Keep away from sources of ignition. Prevent build-up of electrostatic charges (e.g, by grounding). Protect from sunlight. Avoid high temperatures.

10.5. Incompatible materials

No contact with: strong acids, strong bases and strong oxidants.

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10.6. Hazardous decomposition products

 $Under \ normal \ conditions \ of \ storage \ and \ use, \ hazardous \ decomposition \ products \ should \ not \ be \ produced. \ Thermal \ decomposition \ may \ produce:$ Carbon monoxide. Other toxic gases.

SECTION 11: Toxicological information	
11.1. Information on hazard classes as define	d in Regulation (EC) No 1272/2008
Acute toxicity (dermal) :	Not classified (Based on available data, the classification criteria are not met) Not classified (Based on available data, the classification criteria are not met) Not classified (Based on available data, the classification criteria are not met)
styrene (100-42-5)	
LD50 oral rat	5000 mg/kg Source: ECHA
LD50 dermal rat	> 2000 mg/kg Source: ECHA
LC50 Inhalation - Rat (Vapours)	11.8 mg/l Source: ECHA
titanium dioxide; [in powder form containing	1 % or more of particles with aerodynamic diameter ≤ 10 μm] (13463-67-7)
LC50 Inhalation - Rat (Dust/Mist)	> 6.82 mg/l Source: ECHA
N-ethyl-2-pyrrolidone; 1-ethylpyrrolidin-2-one	e (2687-91-4)
LD50 oral rat	≈ 3200 mg/kg bodyweight Animal: rat
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 5.1 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Remarks on results: other:
Skin corrosion/irritation :	Causes skin irritation.
titanium dioxide; [in powder form containing	1 % or more of particles with aerodynamic diameter ≤ 10 μm] (13463-67-7)
рН	7 Source: ECHA
Serious eye damage/irritation :	Causes serious eye irritation.
titanium dioxide; [in powder form containing	1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7)
рН	7 Source: ECHA
Respiratory or skin sensitisation :	Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity :	Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity :	Not classified (Based on available data, the classification criteria are not met)
styrene (100-42-5)	
IARC group	2B - Possibly carcinogenic to humans
titanium dioxide; [in powder form containing	1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7)
IARC group	2B - Possibly carcinogenic to humans
Reproductive toxicity :	Suspected of damaging the unborn child.
STOT-single exposure :	Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure :	Causes damage to organs (hearing organs) through prolonged or repeated exposure.
styrene (100-42-5)	
STOT-repeated exposure	Causes damage to organs (hearing organs) through prolonged or repeated exposure.
N-ethyl-2-pyrrolidone; 1-ethylpyrrolidin-2-one	e (2687-91-4)
LOAEC (inhalation, rat, vapour, 90 days)	0.2 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study), Guideline: EU Method B.29 (Sub-Chronic Inhalation Toxicity:90-Day Study), Guideline: EPA OPPTS 870.3465 (90-Day Inhalation Toxicity)

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N-ethyl-2-pyrrolidone; 1-ethylpyrrolidin-2-one (2687-91-4)		
NOAEL (oral, rat, 90 days)	100 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)	
NOAEC (inhalation, rat, vapour, 90 days)	0.06 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study), Guideline: EU Method B.29 (Sub-Chronic Inhalation Toxicity:90-Day Study), Guideline: EPA OPPTS 870.3465 (90-Day Inhalation Toxicity)	
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	0.08 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study), Guideline: EU Method B.8 (Subacute Inhalation Toxicity: 28-Day Study)	

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)

: Not classified (Based on available data, the classification criteria are not met)

: Not classified (Based on available data, the classification criteria are not met)

Hazardous to the aquatic environment, long-term

(chronic)

Not rapidly degradable

Tier rapidly dogradable		
styrene (100-42-5)		
LC50 - Fish [1]	10 mg/l Source: ECHA	
EC50 - Crustacea [1]	4.7 mg/l Source: ECHA	
EC50 72h - Algae [1]	4.9 mg/l Source: ECHA	
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm] (13463-67-7)		
LC50 - Fish [1]	> 100 mg/l	
EC50 72h - Algae [1]	> 50 mg/l Source: ECHA	
N-ethyl-2-pyrrolidone; 1-ethylpyrrolidin-2-one (2687-91-4)		
LC50 - Fish [1]	464 – 999 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)	
EC50 - Crustacea [1]	> 104 mg/l Test organisms (species): Daphnia magna	
EC50 72h - Algae [1]	> 101 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)	
EC50 96h - Algae [1]	1525.43 mg/l Source: Ecological Structure Activity Relationships	
LOEC (chronic)	25 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
NOEC (chronic)	12.5 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

styrene (100-42-5)		
Partition coefficient n-octanol/water (Log Pow)	2.95 Source: HSDB,CHemIDplus	
N-ethyl-2-pyrrolidone; 1-ethylpyrrolidin-2-one (2687-91-4)		
Partition coefficient n-octanol/water (Log Pow)	-0.04 Source: National Institute of Technology and Evaluation	

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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)

Waste treatment methods

Sewage disposal recommendations

Product/Packaging disposal recommendations

Additional information

European List of Waste (LoW) code

: Disposal must be done according to official regulations.

: Dispose of contents/container in accordance with licensed collector's sorting instructions.

: Do not discharge into drains.

: This material and its container must be disposed of as hazardous waste. Do not dispose of with domestic waste. After cleaning, recycle or dispose of at an authorised site.

: Flammable vapours may accumulate in the container.

: 08 04 09* - waste adhesives and sealants containing organic solvents or other dangerous substances

15 01 10* - packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

ADR	IMDG	IATA
14.1. UN number or ID number		
UN 1866	UN 1866	UN 1866
14.2. UN proper shipping name		
RESIN SOLUTION	RESIN SOLUTION	Resin solution
Transport document description		
UN 1866 RESIN SOLUTION, 3, III, (D/E)	UN 1866 RESIN SOLUTION, 3, III (25°C c.c.)	UN 1866 Resin solution, 3, III
14.3. Transport hazard class(es)		
3	3	3
3	3	3
14.4. Packing group		
III	III	III
14.5. Environmental hazards		
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No
No supplementary information available	1	

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14.6. Special precautions for user

Overland transport

Classification code (ADR) : F1
Limited quantities (ADR) : 5l
Special packing provisions (ADR) : PP1
Mixed packing provisions (ADR) : MP19
Transport category (ADR) : 3
Special provisions for carriage - Packages (ADR) : V12

Tunnel restriction code (ADR) : D/E EAC code : •3Y

Transport by sea

Special provisions (IMDG) : 223, 955
Limited quantities (IMDG) : 5 L
Special packing provisions (IMDG) : PP1
EmS-No. (Fire) : F-E
EmS-No. (Spillage) : S-E
Stowage category (IMDG) : A

Air transport

No data available

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

No additional information available

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15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

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Abbreviations and acronyms:			
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways		
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road		
ATE	Acute Toxicity Estimate		
BCF	Bioconcentration factor		
BLV	Biological limit value		
BOD	Biochemical oxygen demand (BOD)		
COD	Chemical oxygen demand (COD)		
DMEL	Derived Minimal Effect level		
DNEL	Derived-No Effect Level		
EC-No.	European Community number		
EC50	Median effective concentration		
EN	European Standard		
IARC	International Agency for Research on Cancer		
IATA	International Air Transport Association		
IMDG	International Maritime Dangerous Goods		
LC50	Median lethal concentration		
LD50	Median lethal dose		
LOAEL	Lowest Observed Adverse Effect Level		
NOAEC	No-Observed Adverse Effect Concentration		
NOAEL	No-Observed Adverse Effect Level		
NOEC	No-Observed Effect Concentration		
OECD	Organisation for Economic Co-operation and Development		
OEL	Occupational Exposure Limit		
PBT	Persistent Bioaccumulative Toxic		
PNEC	Predicted No-Effect Concentration		
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail		
SDS	Safety Data Sheet		
STP	Sewage treatment plant		
ThOD	Theoretical oxygen demand (ThOD)		
TLM	Median Tolerance Limit		
VOC	Volatile Organic Compounds		
CAS-No.	Chemical Abstract Service number		

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Abbreviations and acronyms:		
N.O.S.	Not Otherwise Specified	
vPvB	Very Persistent and Very Bioaccumulative	
ED	Endocrine disrupting properties	

Data sources : ECHA (European Chemicals Agency).

Training advice : Handle in accordance with good industrial hygiene and safety procedures.

Full text of H- and EUH-statements:			
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4		
Carc. 2	Carcinogenicity, Category 2		
EUH211	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.		
Eye Dam. 1	Serious eye damage/eye irritation, Category 1		
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2		
Flam. Liq. 3	Flammable liquids, Category 3		
H226	Flammable liquid and vapour.		
H315	Causes skin irritation.		
H318	Causes serious eye damage.		
H319	Causes serious eye irritation.		
H332	Harmful if inhaled.		
H351	Suspected of causing cancer.		
H360Df	May damage the unborn child. Suspected of damaging fertility.		
H361d	Suspected of damaging the unborn child.		
H372	Causes damage to organs through prolonged or repeated exposure.		
Repr. 1B	Reproductive toxicity, Category 1B		
Repr. 2	Reproductive toxicity, Category 2		
Skin Irrit. 2	Skin corrosion/irritation, Category 2		
STOT RE 1	Specific target organ toxicity – Repeated exposure, Category 1		

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:				
Flam. Liq. 3	H226	On basis of test data		
Skin Irrit. 2	H315	Calculation method		
Eye Irrit. 2	H319	Calculation method		
Repr. 2	H361d	Expert judgment		
STOT RE 1	H372	Calculation method		

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.