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

· **1.1 Product identifier**

· **Trade name REVELL EMAIL COLOR METALLICS**
Nr. 90; 91; 99

· **Article number:**
Dreisol:
R3200-9190; R3200-9191; R3200-9199
Revell-Nr.:
32190; 32191; 32199
Color set:
32201; 32202; 32203; 32204; 32205; 32206; 32208; 32218; 32344

· **UFI:** VNP0-Q0QC-P00N-HQ0X

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

· **Sector of Use** SU21 Consumer uses: Private households / general public / consumers

· **Product category** PC9a Coatings and paints, thinners, paint strippers

· **Process category** PROC10 Application by rolling or brushing

· **Application of the substance / the mixture** Lacquer for model making

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**
Dreisol Coatings GmbH & Co.KG. Tel.: +49(0)5742-9300-0(Zentrale)
Industriestraße 4 Fax : +49(0)5742-9300-49
D-32361 Pr. Oldendorf-Bad Holzhausen E-Mail: mail@dreisol.de
http://www.dreisol.de

Carrera Revell Europe GmbH
Henschelstr. 20-30 Tel.: +49(0)5223-965-0
D-32257 Bünde http://www.revell.de

· **Informing department:**
Product Safety Department Tel.: +49(0)5742-9300-41
E-mail address of the competent person: sdb@dreisol.de

· **1.4 Emergency telephone number:**
NHS (National Health Service) 111
Poison Information Centre (GIZ-Nord): Tel.: +49(0)551-19240

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SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS07

STOT SE 3 H336 May cause drowsiness or dizziness.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the GB CLP regulation.

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· ***Hazard pictograms***



GHS02 GHS07

· ***Signal word*** *Warning*

· ***Hazard-determining components of labelling:***
Naphtha (petroleum), hydrotreated heavy
· ***Hazard statements***
H226 Flammable liquid and vapour.
H336 May cause drowsiness or dizziness.
· ***Precautionary statements***

P102	*Keep out of reach of children.*
P210	*Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.*
P241	*Use explosion-proof [electrical/ventilating/lighting] equipment.*
P271	*Use only outdoors or in a well-ventilated area.*
P303+P361+P353	*IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].*
P405	*Store locked up.*
P501	*Dispose of contents/container in accordance with local/regional/national/ international regulations.*

· ***Additional information:***
Contains isobutyl methacrylate. May produce an allergic reaction.
· ***Labelling of packages where the contents do not exceed 125 ml***
· ***Hazard pictograms***



GHS02 GHS07

· ***Signal word*** *Warning*

· ***Hazard-determining components of labelling:***
Naphtha (petroleum), hydrotreated heavy
· ***Hazard statements***
H336 May cause drowsiness or dizziness.
· ***Precautionary statements***
P102 Keep out of reach of children.
P260 Do not breathe mist/vapours/spray.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
· ***Additional information***
Child-resistant fastening not required (Annex II, Part 3.1 GB CLP)
Tactile warning not required (Annex II, Part 3.2 GB CLP)
· ***2.3 Other hazards***
· ***Results of PBT and vPvB assessment***
The product does not contain any substance above the legal limits (> 0.1%) that meets the criteria for PBT
(persistent, bioaccumulative and toxic) or vPvB (very persistent and very bioaccumulative).

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· **Determination of endocrine-disrupting properties**
Environmental information: The substance/mixture does not contain any components that are classified according to
UK REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation
Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1% or more.
have endocrine disrupting properties.

Toxicological information: The substance/mixture does not contain any components that are classified according to
UK REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605.
Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1% or more
have endocrine disrupting properties.

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SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**
· **Description:** Lacquer mixture based on acrylic resin with the substances listed below.

· **Dangerous components:**

CAS: 7429-90-5 EINECS: 231-072-3 Reg.nr.: 01-2119529243-45	aluminium powder (stabilised) Pyr. Sol. 1, H250; Water-react. 2, H261	7-10%
EC number: 919-857-5 Reg.nr.: 01-2119463258-33	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (Naphtha (petroleum), hydrotreated heavy - outside REACH CAS 64742-48-9) Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336	25-50%
CAS: 107-98-2 EINECS: 203-539-1 Reg.nr.: 01-2119457435-35	1-methoxypropan-2-ol Flam. Liq. 3, H226 STOT SE 3, H336	10-12.5%
CAS: 108-65-6 EINECS: 203-603-9 Reg.nr.: 01-2119475791-29	2-methoxy-1-methylethyl acetate Flam. Liq. 3, H226 STOT SE 3, H336	10-12.5%
EC number: 918-481-9 Reg.nr.: 01-2119457273-39	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics (Naphtha (petroleum), hydrotreated heavy - outside REACH CAS 64742-48-9) Asp. Tox. 1, H304	5-7%
CAS: 97-86-9 EINECS: 202-613-0 Reg.nr.: 01-2119488331-38	isobutyl methacrylate Flam. Liq. 3, H226 Skin Irrit. 2, H315; Skin Sens. 1B, H317; STOT SE 3, H335	0.1-0.2%

· **Additional information**
*) Benzene content is less than 0.1% (EINECS-No. 200-753-7). It is P. Note
Contains no other ingredients (≥0,1%) that are classified as hazardous to health or the environment according to the current knowledge of the supplier and must be mentioned in this section.
The wording of the listed risk phrases refer to section 16.

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SECTION 4: First aid measures

· ***4.1 Description of first aid measures***
· ***General information*** *Remove contaminated, saturated clothing immediately.*
· ***After inhalation***
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
In case of unconsciousness bring patient into stable side position for transport.
· ***After skin contact***
Instantly wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
· ***After eye contact***
Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
· ***After swallowing*** *Do not induce vomiting; instantly call for medical help.*

*
SECTION 5: Firefighting measures

· ***5.1 Extinguishing media***
· ***Suitable extinguishing agents*** *CO2, sand, extinguishing powder. Do not use water.*
· ***For safety reasons unsuitable extinguishing agents*** *Waterjet.*
· ***5.2 Special hazards arising from the substance or mixture***
No further relevant information available.
· ***5.3 Advice for firefighters***
· ***Protective equipment:*** *Wear self-contained breathing apparatus.*
· ***Additional information***
Cool closed containers exposed to fire with water.
Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: Accidental release measures

· ***6.1 Personal precautions, protective equipment and emergency procedures***
Remove all sources of ignition. Provide adequate ventilation. Refer to protective measurer, listed in sections 7 and 8.
· ***6.2 Environmental precautions:***
Do not allow product to enter into sewerage systems or water bodies.
Inform respective authorities in case of product reaches water or sewage systems.
· ***6.3 Methods and material for containment and cleaning up:***
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
· ***6.4 Reference to other sections***
See Section 7 for information on safe handling
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***
Ensure good ventilation/exhaustion at working place.
Keep containers tightly sealed.
· ***Information about protection against explosions and fires:***
Protect against electrostatic charges.

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Keep ignition sources away - Do not smoke.
Vapours are heavier than air and may spread along floors. Vapours may from explosive mixture with air.

· **7.2 Conditions for safe storage, including any incompatibilities**
· **Storage**
· **Requirements to be met by warehouses and containers:** Store only in the original container.
· **Information about storage in one common storage facility:**
Keep away from foodstuffs, beverages and food.
· **Further information about storage conditions:** Protect from heat and direct sunlight.
· **Storage class** 3
· **7.3 Specific end use(s)** No further relevant information available.

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SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· **Components with critical values that require monitoring at the workplace:**	
107-98-2 1-methoxypropan-2-ol	
WEL (Great Britain)	Short-term value: 560 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm Sk
IOELV (European Union)	Short-term value: 568 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm Skin
108-65-6 2-methoxy-1-methylethyl acetate	
WEL (Great Britain)	Short-term value: 548 mg/m³, 100 ppm Long-term value: 274 mg/m³, 50 ppm Sk
IOELV (European Union)	Short-term value: 550 mg/m³, 100 ppm Long-term value: 275 mg/m³, 50 ppm Skin

· **DNELs**		
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (Naphtha (petroleum), hydrotreated heavy - outside REACH CAS 64742-48-9)		
Oral	DNEL	125 mg/kg/day (General population, long-term exposure)
Dermal	DNEL	125 mg/kg/day (General population, long-term exposure)
		208 mg/kg/day (Workers, long-term exposure)
Inhalative	DNEL	185 mg/m³ (General population, long-term exposure)
		871 mg/m³ (Workers, long-term exposure)
107-98-2 1-methoxypropan-2-ol		
Oral	DNEL	3.3 mg/kg/day (General population, long-term exposure)
Dermal	DNEL	18.1 mg/kg/day (General population, long-term exposure)
		50.6 mg/kg/day (Workers, long-term exposure)
Inhalative	DNEL	43.9 mg/m³ (General population, long-term exposure)
		369 mg/m³ (Workers, long-term exposure)
		553.5 mg/m³ (Workers, short-term exposure)

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108-65-6 2-methoxy-1-methylethyl acetate		
Oral	*DNEL*	*1.6 mg/kg/day (General population, long-term exposure)*
Dermal	*DNEL*	*54.8 mg/kg/day (General population, long-term exposure)*
		153.5 mg/kg/day (Workers, long-term exposure)
Inhalative	*DNEL*	*33 mg/m³ (General population, long-term exposure)*
		275 mg/m³ (Workers, long-term exposure)
7429-90-5 aluminium powder (stabilised)		
Oral	*DNEL*	*3.95 mg/kg/day (General population, long-term exposure)*
Inhalative	*DNEL*	*3.72 mg/m³ (Workers, long-term exposure)*
97-86-9 isobutyl methacrylate		
Dermal	*DNEL*	*5 mg/kg/day (Workers, long-term exposure)*
Inhalative	*DNEL*	*415.9 mg/m³ (Workers, long-term exposure)*

· ***PNECs***

107-98-2 1-methoxypropan-2-ol	
PNEC	*100 mg/L (sewage treatment plant)*
	1 mg/L (marine water)
	10 mg/L (freshwater)
PNEC	*2.47 mg/kg (soil)*
	5.2 mg/kg (sediment (marine water))
	52.3 mg/kg (sediment (freshwater))
108-65-6 2-methoxy-1-methylethyl acetate	
PNEC	*100 mg/L (sewage treatment plant)*
	0.0635 mg/L (marine water)
	0.635 mg/L (freshwater)
PNEC	*0.29 mg/kg (soil)*
	0.329 mg/kg (sediment (marine water))
	3.29 mg/kg (sediment (freshwater))
7429-90-5 aluminium powder (stabilised)	
PNEC	*20 mg/L (sewage treatment plant)*
	0.0749 mg/L (freshwater)
97-86-9 isobutyl methacrylate	
PNEC	*10 mg/L (sewage treatment plant)*

· ***8.2 Exposure controls***
· ***Appropriate engineering controls***
Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.
· ***Individual protection measures, such as personal protective equipment***
· ***General protective and hygienic measures***
Instantly remove any spoiled and impregnated garments.
After skin contact clean with water and soap or use appropriate detergents . Do not use organic solvent.
Keep away from foodstuffs, beverages and food.
· ***Breathing equipment:***
In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus, independent of circulating air.

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Filter A/P2.

· ***Hand protection***
The instructions and information provided by the glove manfacturer on use, storage, maintenance and replacement must be followed. Barrier creams may help to protect the exposed areas of the skin.

· ***Material of gloves***
Gloves made of nitrile rubber or butyl rubber (0.4mm). Breakthrough time > 480min with full contact. Observe the glove manufacturer's specifications on permeability and breakthrough times and the special conditions at the workplace. In case of cracking or change of colour, shape or elasticity, change gloves immediately.

· ***Eye/face protection*** *Tightly sealed safety glasses.*

· ***Body protection:*** *Protective work clothing.*

*
SECTION 9: Physical and chemical properties

· ***9.1 Information on basic physical and chemical properties***	
· ***General Information***	
· ***Physical state***	*Liquid*
· ***Colour:***	*Silver-coloured*
· ***Smell:***	*Benzen-like*
· ***Odour threshold:***	*Not determined*
· ***Boiling point or initial boiling point and boiling range***	*120 °C*
· ***Flammability***	*Flammable.*
· ***Lower and upper explosion limit***	
· ***Lower:***	*0.6 Vol %*
· ***Upper:***	*10.8 Vol %*
· ***Flash point:***	*35 °C (DIN/ISO 3679)*
· ***Auto-ignition temperature:***	*>200 °C (DIN 51794, Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics (Naphtha (petroleum), hydrotreated heavy - outside REACH CAS 64742-48-9))*
· ***Decomposition temperature:***	*Not determined*
· ***pH***	*Not determined*
· ***or:***	
· ***Kinematic viscosity at 40 °C***	*>20.5 mm²/s*
· ***dynamic at 20 °C:***	*700 mPas (.)*
· ***Solubility***	
· ***Water:***	*Not miscible or difficult to mix*
· ***Steam pressure at 20 °C:***	*n.a. hPa*
· ***Steam pressure***	
· ***Vapour pressure at 50 °C:***	*15 hPa*
· ***Density and/or relative density***	
· ***Density at 20 °C***	*0.830-1,010 g/cm³ (DIN 51757)*
· ***Relative density***	*Not determined*
· ***Vapour density***	*Not determined*
· ***9.2 Other information***	
· ***Appearance:***	
· ***Form:***	*Fluid*

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· ***Important information on protection of health and environment, and on safety.***	
· ***Self-inflammability:***	*Product is not self-igniting.*
· ***Explosive properties:***	*Product is not explosive. However, formation of explosive air/steam mixtures is possible.*
· ***Solvent content:***	
· ***Organic solvents:***	*66-68 %*
· ***Water:***	*0.0 %*
· ***VOC (EG)***	*550-680 g/l*
· ***Solids content:***	*32-34 %*
· ***Evaporation rate***	*Not determined*

· ***Information with regard to physical hazard classes***	
· ***Explosives***	*Void*
· ***Flammable gases***	*Void*
· ***Aerosols***	*Void*
· ***Oxidising gases***	*Void*
· ***Gases under pressure***	*Void*
· ***Flammable liquids***	*Flammable liquid and vapour.*
· ***Flammable solids***	*Void*
· ***Self-reactive substances and mixtures***	*Void*
· ***Pyrophoric liquids***	*Void*
· ***Pyrophoric solids***	*Void*
· ***Self-heating substances and mixtures***	*Void*
· ***Substances and mixtures, which emit flammable gases in contact with water***	*Void*
· ***Oxidising liquids***	*Void*
· ***Oxidising solids***	*Void*
· ***Organic peroxides***	*Void*
· ***Corrosive to metals***	*Void*
· ***Desensitised explosives***	*Void*

*
SECTION 10: Stability and reactivity

· ***10.1 Reactivity*** *No further relevant information available.*
· ***10.2 Chemical stability***
· ***Thermal decomposition / conditions to be avoided:***
Stable under recommended storage and handling conditions (see section 7).
Hazardous products of decomposition could result at high temperatures.
· ***10.4 Conditions to avoid*** *No further relevant information available.*
· ***10.5 Incompatible materials:*** *Strong acids and bases*
· ***10.6 Hazardous decomposition products:***
such as carbon monoxide and dioxide, smoke, oxides of nitrogen etc.

*
SECTION 11: Toxicological information

· ***11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008***
· ***Acute toxicity***
There are no data available on the preparation itself.
The mixture is classified under Regulation No 1272/2008 = GB CLP (EU-GHS) Regulation and the toxicological hazards. See Section 3 and 15 for details.

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Based on available data, the classification criteria are not met.

· ***LD/LC50 values that are relevant for classification:***

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (Naphtha (petroleum), hydrotreated heavy - outside REACH CAS 64742-48-9)		
Oral	LD50	>5,000 mg/kg (rat (Ratte))
Dermal	LD50	>2,000 mg/kg (rat (Ratte))
107-98-2 1-methoxypropan-2-ol		
Oral	LD50	>5,000 mg/kg (rat (Ratte))
Dermal	LD50	13,500 mg/kg (rabbit)
108-65-6 2-methoxy-1-methylethyl acetate		
Oral	LD50	>8,532 mg/kg (rat (Ratte))
Dermal	LD50	>5,000 mg/kg (rat (Ratte))
Inhalative	LC50/4 h	35.7 mg/l (rat (Ratte))
	LC50/6 h	>23.8 mg/l (rat (Ratte))
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics (Naphtha (petroleum), hydrotreated heavy - outside REACH CAS 64742-48-9)		
Oral	LD50	>5,000 mg/kg (rat (Ratte))
Dermal	LD50	>5,000 mg/kg (rab)
97-86-9 isobutyl methacrylate		
Oral	LD50	>5,000 mg/kg (rat (Ratte))
Dermal	LD50	>5,000 mg/kg (rab)
Inhalative	LC50/6 h	20.9 mg/l (rat (Ratte))

· ***Primary irritant effect:***
· ***Skin corrosion/irritation*** *Based on available data, the classification criteria are not met.*
· ***Serious eye damage/irritation*** *Based on available data, the classification criteria are not met.*
· ***Respiratory or skin sensitisation*** *Based on available data, the classification criteria are not met.*
· ***Germ cell mutagenicity*** *Based on available data, the classification criteria are not met.*
· ***Carcinogenicity*** *Based on available data, the classification criteria are not met.*
· ***Reproductive toxicity*** *Based on available data, the classification criteria are not met.*
· ***STOT-single exposure*** *May cause drowsiness or dizziness.*
· ***STOT-repeated exposure*** *Based on available data, the classification criteria are not met.*
· ***Aspiration hazard*** *Based on available data, the classification criteria are not met.*
· ***Other observations:***
Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system.
Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.
Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. Repeated or prolonged skin contact may lead to allergic contact dermatitis.
The liquid splashed in the eyes may cause irritation and reversible damage.
· ***General remarks***
· ***Sensitisation*** *May cause allergic reactions - see section 2.*
· ***11.2 Information on other hazards***
· ***Endocrine disrupting properties***
The product does not contain any substance above the legal limits (> 0.1%) that is included in the list established under Article 59(1) of Regulation (EC) No 1907/2006 on the basis of endocrine disrupting properties or that has endocrine disrupting or endocrine disrupting properties according to

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Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

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SECTION 12: Ecological information

· ***12.1 Toxicity***

· ***Aquatic toxicity:***	
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (Naphtha (petroleum), hydrotreated heavy - outside REACH CAS 64742-48-9)	
LC50/96h	*>1,000 mg/l (Onchorhynchus mykiss(Regenbogenforelle).)*
EC50/48h	*>1,000 mg/l (Daphnia magna (Wasserfloh))*
107-98-2 1-methoxypropan-2-ol	
LC50/96h	*6,812 mg/l (Leuciscus idus(Goldorfe)) (Fische)*
	20,800 mg/l (Pimephales promelas (Elritze)) (Fische)
EC50/48h	*21,100 mg/l (wfl) (Daphnien)*
LC/EC50 (72 h)	*>100 mg/l (algae, different)*
108-65-6 2-methoxy-1-methylethyl acetate	
LC50/96h	*100-180 mg/l (Onchorhynchus mykiss (Regenbogenforelle)) (Fische)*
EC50/48h	*>500 mg/l (daphnia magnia (Wasserfloh)) (Daphnien)*
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics (Naphtha (petroleum), hydrotreated heavy - outside REACH CAS 64742-48-9)	
EC50	*>1,000 mg/l (algae)*
97-86-9 isobutyl methacrylate	
LC50/96h	*20 mg/l (Onchorhynchus mykiss (Regenbogenforelle))*
EC50/48h	*23 mg/l (daphnia)*

· ***12.2 Persistence and degradability*** *No further relevant information available.*
· ***12.3 Bioaccumulative potential*** *No further relevant information available.*
· ***12.4 Mobility in soil*** *No further relevant information available.*
· ***12.5 Results of PBT and vPvB assessment***
The product does not contain any substance above the legal limits (> 0.1%) that meets the criteria for PBT
(persistent, bioaccumulative and toxic) or vPvB (very persistent and very bioaccumulative).
· ***12.6 Endocrine disrupting properties***
For information on endocrine disrupting properties see section 11.
· ***12.7 Other adverse effects***
· ***Other information:*** *There are no data available on the preparation itself.*
· ***Additional ecological information:***
· ***General notes:***
Water hazard class 1 (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

*
SECTION 13: Disposal considerations

· ***13.1 Waste treatment methods***
· ***Recommendation***
Must not be disposed of together with household garbage. Do not allow product to enter into sewage systems.

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Hand over to disposers of hazardous waste.

· ***European waste catalogue***
Refer to Community provisions relating to waste in Europe. Note that national or regional provisions may be in force.

· ***Uncleaned packagings:***
· ***Recommendation:***
Disposal must be made according to official regulations.
Emptied containers must be sent for scrap recycling or reconditioning. Containers that have not been emptied properly are hazardous waste (waste code no. 150110).

SECTION 14: Transport information

· ***14.1 UN number or ID number***	
· ***ADR, ADN, IMDG***	*Void*
· ***IATA***	*UN1263*
· ***14.2 UN proper shipping name***	
· ***ADR, ADN, IMDG***	*Void*
· ***IATA***	*PAINT*
· ***14.3 Transport hazard class(es)***	
· ***ADR, ADN, IMDG***	
· ***Class***	*Void*
· ***IATA***	
	
· ***Class***	*3 Flammable liquids.*
· ***Label***	*3*
· ***14.4 Packing group***	
· ***ADR, IMDG***	*Void*
· ***IATA***	*III*
· ***14.5 Environmental hazards:***	
· ***Marine pollutant:***	*No*
· ***14.6 Special precautions for user***	*Not applicable*
· ***14.7 Maritime transport in bulk according to IMO instruments***	*Not applicable*
· ***Transport/Additional information:***	
· ***ADR***	
· ***Remarks:***	*Not applicable according to ADR point 2.2.3.1.5.1 (exception for viscous substances).* *> 450 ltr.: UN-1263 PAINT, 3, III, (D/E)*
· ***Transport in accordance with ADR/RID, IMDG and ICAO/IATA.***	

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· **IMDG**	
· **Remarks:**	Not applicable according to IMDG point 2.3.2.5 (exception for viscous substances). > 30 ltr.: UN-1263 PAINT, 3, III
· **UN "Model Regulation":**	Void

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SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
· **Poisons Act**

· **Regulated explosives precursors**
None of the ingredients is listed.

· **Regulated poisons**
None of the ingredients is listed.

· **Reportable explosives precursors**

7429-90-5	aluminium powder (stabilised)	Listed

· **Reportable poisons**
None of the ingredients is listed.

· **Directive 2012/18/EU**
· **Named dangerous substances - ANNEX I** None of the ingredients is listed.
· **Seveso category** P5c FLAMMABLE LIQUIDS
· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t
· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t
· **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**
None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**
None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**
None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**
None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**
None of the ingredients is listed.

· **National regulations**

· **Information about limitation of use:**
Employment restrictions concerning young persons must be observed.

· **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

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· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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SECTION 16: Other information

The information of this SDS is based on the present state of our knowledge and on current EU and national laws. The product is not to be used for other purposes than those specified under section 1 without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The information in this SDS is meant as a description of the safety requirements of our product : it is not to be considered as a guarantee of the products' properties.

· **Reasons for alterations** Update of GHS (EC) No 1272/2008
· **Relevant phrases**
Hazard warnings for the ingredients listed under point 3
H226 Flammable liquid and vapour.
H250 Catches fire spontaneously if exposed to air.
H261 In contact with water releases flammable gases.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
· **Classification according to Regulation (EC) No 1272/2008**
Physical hazard: Flash point (° C)
Health and environmental hazards: calculation method

· **Department issuing data specification sheet:** department product safety
· **Date of previous version:** 02.03.2026
· **Version number of previous version:** 31
· **Abbreviations and acronyms:**
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
DNEL: Derived No-Effect Level (UK REACH)
PNEC: Predicted No-Effect Concentration (UK REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 3: Flammable liquids – Category 3
Pyr. Sol. 1: Pyrophoric solids – Category 1
Water-react. 2: Substances and mixtures which in contact with water emit flammable gases – Category 2
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Skin Sens. 1B: Skin sensitisation – Category 1B
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Asp. Tox. 1: Aspiration hazard – Category 1
· *** Data compared to the previous version altered.**
Paragraphs, which were changed compared to the former version, are marked with "*" on the left margin.