Safety Data Sheet
acc. to OSHA HCS

Printing date 07/08/2026 Reviewed on 07/08/2026

*
1 Identification

· **Product identifier**

· **Trade name: REVELL EMAIL COLOR**
Nr. 301; 302; 310; 314; 330; 331; 350; 360; 361; 362; 363; 364; 365; 371; 374; 378; 381; 382;

· **Article number:**
Dreisol:
R3220-9301; R3220-9302; R3220-1310; R3220-1314; R3220-3330; R3220-3331; R3220-5350; R3220-6360; R3220-6361; R3220-6362; R3220-6363; R3220-6364; R3220-6365; R3220-7371; R3220-7374; R3220-7378; R3220-8381; R3220-8382;

Revell:
32301; 32302; 32310; 32314; 32330; 32331; 32350; 32360; 32361; 32362; 32363; 32364; 32365; 32371; 32374; 32378; 32381; 32382;
Color set:
32201; 32203; 32205; 32206; 32208; 32209; 32211; 32212; 32344

· **Application of the substance / the mixture** Varnish for modeling

· **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
Carrera Revell of Americas Inc.
Suite 307N
197 Route 18 South Office: 609-409-8510
East Brunswick, NJ 08816, USA http://www.carrera-revell-toys.com

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

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2 Hazard(s) identification

· **Classification of the substance or mixture**



GHS02 Flame

Flammable Liquids 3 H226 Flammable liquid and vapor.



GHS07

Specific Target Organ Toxicity - Single Exposure 3 H336 May cause drowsiness or dizziness.

· **Label elements**
· **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).

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· **Hazard pictograms**



GHS02 GHS07

· **Signal word** Warning

· **Hazard-determining components of labeling:**
Naphtha (petroleum), hydrotreated heavy
1-methoxypropan-2-ol
· **Hazard statements**
Flammable liquid and vapor.
May cause drowsiness or dizziness.
· **Precautionary statements**
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a poison center/doctor if you feel unwell.
In case of fire: Use CO2, powder or water spray to extinguish.
Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.
· **Classification system:**
· **NFPA ratings (scale 0 - 4)**



Health = 0
Fire = 3
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**



Health = 0
Fire = 3
Reactivity = 0

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3 Composition/information on ingredients

· **Chemical characterization: Mixtures**
· **Description:**
Paint mixture based of alkyd resins and/or pigment/extender with the following components.

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· **Dangerous components:**

	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (Naphtha (petroleum), hydrotreated heavy - outside REACH CAS 64742-48-9)	25-50%
	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics (Naphtha (petroleum), hydrotreated heavy - outside REACH CAS 64742-48-9)	7-10%
107-98-2	1-methoxypropan-2-ol	3-5%

· **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.

4 First-aid measures

· **Description of first aid measures**
· **General information:** Immediately remove any clothing soiled by the product.
· **After inhalation:**
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
In case of unconsciousness place patient stably in side position for transportation.
· **After skin contact:**
Immediately 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 a doctor.
· **After swallowing:** Do not induce vomiting; immediately call for medical help.

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5 Fire-fighting measures

· **Extinguishing media**
· **Suitable extinguishing agents:** CO2, sand, extinguishing powder. Do not use water.
· **For safety reasons unsuitable extinguishing agents:** Water with full jet
· **Special hazards arising from the substance or mixture**
Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazards.
· **Advice for firefighters**
· **Protective equipment:** Wear self-contained respiratory protective device.
· **Additional information**
Cool endangered receptacles with water spray.
Collect contaminated fire fighting water separately. It must not enter the sewage system.

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6 Accidental release measures

· **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.
· **Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.

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· **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
· **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 disposal information.
· **Protective Action Criteria for Chemicals**

· **PAC-1:**		
13463-67-7	titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	15 mg/m3
107-98-2	1-methoxypropan-2-ol	100 ppm
13515-40-7	C.I.Pigment Yellow 73	30 mg/m3
1333-86-4	Carbon black	9 mg/m3
27253-33-4	Calciumneodecanoat	14 mg/m3
112945-52-5	Siliciumdioxid SiO2	18 mg/m3
34590-94-8	Dipropylene glycol monomethyl ether	150 ppm
108-32-7	propylene carbonate	34 mg/m3
98-73-7	4-tert-butylbenzoic acid	4.0 mg/m3
57-55-6	Propylene glycol	30 mg/m3
104-76-7	2-Ethyl-1-hexanol	0.10 ppm

· **PAC-2:**		
13463-67-7	titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	170 mg/m3
107-98-2	1-methoxypropan-2-ol	160 ppm
13515-40-7	C.I.Pigment Yellow 73	330 mg/m3
1333-86-4	Carbon black	290 mg/m3
27253-33-4	Calciumneodecanoat	150 mg/m3
112945-52-5	Siliciumdioxid SiO2	100 mg/m3
34590-94-8	Dipropylene glycol monomethyl ether	1700* ppm
108-32-7	propylene carbonate	370 mg/m3
98-73-7	4-tert-butylbenzoic acid	14 mg/m3
57-55-6	Propylene glycol	1300 mg/m3
104-76-7	2-Ethyl-1-hexanol	100 ppm

· **PAC-3:**		
13463-67-7	titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	990 mg/m3
107-98-2	1-methoxypropan-2-ol	660 ppm
13515-40-7	C.I.Pigment Yellow 73	2000 mg/m3
1333-86-4	Carbon black	1750 mg/m3
27253-33-4	Calciumneodecanoat	910 mg/m3
112945-52-5	Siliciumdioxid SiO2	630 mg/m3
34590-94-8	Dipropylene glycol monomethyl ether	9900** ppm
108-32-7	propylene carbonate	2,200 mg/m3

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98-73-7	4-tert-butylbenzoic acid	84 mg/m3
57-55-6	Propylene glycol	7900 mg/m3
104-76-7	2-Ethyl-1-hexanol	200 ppm

7 Handling and storage

· **Handling:**
· **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Keep receptacles tightly sealed.
· **Information about protection against explosions and fires:**
Protect against electrostatic charges.
Keep ignition sources away - Do not smoke.
Vapours are heavier than air and may spread along floors. Vapours may from explosive mixture with air.

· **Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **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
· **Specific end use(s)** No further relevant information available.

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8 Exposure controls/personal protection

· **Additional information about design of technical systems:**
Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

· **Control parameters**
· **Components with limit values that require monitoring at the workplace:**
The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.
At this time, the other constituents have no known exposure limits.

107-98-2 1-methoxypropan-2-ol	
REL	Short-term value: 540 mg/m³, 150 ppm Long-term value: 360 mg/m³, 100 ppm
TLV	Short-term value: 369 mg/m³, 100 ppm Long-term value: 184 mg/m³, 50 ppm A4

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls**
· **Personal protective equipment:**
· **General protective and hygienic measures:**
Immediately remove all soiled and contaminated clothing.
Keep away from foodstuffs, beverages and feed.

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· **Breathing equipment:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
Filter A/P2
· **Protection of hands:**
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 color, shape or elasticity the gloves have to be changed immediately.
· **Eye protection:** Tightly sealed goggles
· **Body protection:** Protective work clothing

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9 Physical and chemical properties

· **Information on basic physical and chemical properties**	
· **General Information**	
· **Appearance:**	
Form:	Fluid
Color:	According to product specification
· **Odor:**	Petrol-like
· **Odor threshold:**	Not determined
· **pH-value:**	Not determined
· **Boiling point/Boiling range:**	145-205 °C (293-401 °F)
· **Flash point:**	35 °C (95 °F) (DIN/ISO 3679)
· **Flammability:**	Not applicable
· **Auto igniting:**	>200 °C (>392 °F) (DIN 51794)
· **Decomposition temperature:**	Not determined
· **Danger of explosion:**	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· **Explosion limits:**	
Lower:	0.6 Vol %
Upper:	7 Vol %
· **Vapor pressure at 20 °C (68 °F):**	3 hPa (2.3 mm Hg)
· **Vapor pressure at 50 °C (122 °F):**	15 hPa (11.3 mm Hg)
· **Density at 20 °C (68 °F):**	1,100-1,300 g/cm³ (9.1795-10.8485 lbs/gal) (DIN 51757)
· **Relative density**	Not determined
· **Vapor density**	Not determined
· **Evaporation rate**	Not determined
· **Solubility in / Miscibility with**	
Water:	Not miscible or difficult to mix.

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· **Partition coefficient (n-octanol/water):**	Not determined
· **Viscosity:**	
Dynamic:	Not determined
Kinematic at 20 °C (68 °F):	60 s (DIN 53211/4)
Kinematic at 40 °C (104 °F):	>20.5 mm²/s
· **Solvent content:**	
Organic solvents:	40-50 %
Water:	0.0 %
VOC content:	45.0 %
VOC (EG)	440-640 g/l
Solids content:	50-60 %
· **Other information**	No further relevant information available.

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10 Stability and reactivity

· **Reactivity** No further relevant information available.
· **Conditions to avoid** No further relevant information available.
· **Incompatible materials:** Strong acids and bases

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11 Toxicological information

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

· **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))
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)
13463-67-7 titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]		
Oral	LD50	>10,000 mg/kg (rat (Ratte))
Dermal	LD50	>10,000 mg/kg (rab)
107-98-2 1-methoxypropan-2-ol		
Oral	LD50	>5,000 mg/kg (rat (Ratte))
Dermal	LD50	13,500 mg/kg (rabbit)

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· **Primary irritant effect:**
· **on the skin:** No irritant effect.
· **on the eye:** No irritating effect.
· **Sensitization:** No sensitizing effects known.
· **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**		
13463-67-7	titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	2B
1333-86-4	Carbon black	2B

· **NTP (National Toxicology Program)**
None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**
None of the ingredients is listed.

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12 Ecological information

· **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))
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)
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)

· **Persistence and degradability** No further relevant information available.
· **Behavior in environmental systems:**
· **Bioaccumulative potential** No further relevant information available.
· **Mobility in soil** No further relevant information available.
· **Ecotoxical 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 course or sewage system.

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· **Other adverse effects** No further relevant information available.

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13 Disposal considerations

· **Waste treatment methods**
· **Recommendation:**
The relevant EU directives as well as local, regional and national regulations must be observed. Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**
· **Recommendation:** Disposal must be made according to official regulations.

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14 Transport information

· **UN-Number**	
· **DOT, IATA**	UN1263
· **ADR, ADN, IMDG**	not regulated
· **UN proper shipping name**	
· **DOT**	Paint
· **ADR, ADN, IMDG**	not regulated
· **IATA**	PAINT
· **Transport hazard class(es)**	
· **Class**	3 Flammable liquids
· **Label**	3
· **ADR, ADN, IMDG**	
· **Class**	not regulated
· **IATA**	



· **Class**	3 Flammable liquids
· **Label**	3
· **Packing group**	
· **DOT, IATA**	III
· **ADR, IMDG**	not regulated
· **Environmental hazards:**	
· **Marine pollutant:**	No
· **Special precautions for user**	Not applicable
· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**	Not applicable

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· **Transport/Additional information:**

· **DOT**
· **Quantity limitations** On passenger aircraft/rail: 60 L
On cargo aircraft only: 220 L

· **ADR**
· **Remarks:** not applicable according to ADR Pkt.2.2.3.1.5.1 (exception for viscous substances)
> 450 ltr.: UN-1263 PAINT, 3, III, (D/E)

· **IMDG**
· **Remarks:** not applicable according to IMDG pt. 2.3.2.5 (exception for viscous substances)
> 30 ltr.: UN-1263 PAINT, 3, III

· **UN "Model Regulation":** not regulated

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15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**
· **TSCA (Toxic Substances Control Act):**

· **Hazardous Air Pollutants**
None of the ingredients is listed.

· **Proposition 65**
· **Chemicals known to cause cancer:**
Additional information: The listing applies to materials as "airborne, unbound particles of respirable size" and does not apply to materials that are within a product matrix.

13463-67-7	titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]
1333-86-4	Carbon black

· **Chemicals known to cause developmental toxicity:**
None of the ingredients is listed.

· **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
· **Hazard pictograms**



GHS02 GHS07

· **Signal word** Warning

· **Hazard-determining components of labeling:**
Naphtha (petroleum), hydrotreated heavy
1-methoxypropan-2-ol
· **Hazard statements**
Flammable liquid and vapor.
May cause drowsiness or dizziness.

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· **Precautionary statements**
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a poison center/doctor if you feel unwell.
In case of fire: Use CO2, powder or water spray to extinguish.
Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

· **National regulations:**

· **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Reasons for alterations** Update of GHS (EC) No. 1272/2008
· **Relevant phrases** Hazard warnings for the ingredients listed under point 3

· **Department issuing SDS:** department product safety
· **Contact:**
· **Date of preparation / last revision** 07/08/2026 / 34
· **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
DOT: US Department of Transportation
IATA: International Air Transport Association
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)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Flammable Liquids 3: Flammable liquids – Category 3
Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3
· *** Data compared to the previous version altered.**