Safety Data Sheet
according to HPR, Schedule 1

Date of issue 07/08/2026 Version number 35 Revision: 07/08/2026

*
1 Identification

· **Product identifier**

· **Trade name: REVELL EMAIL COLOR**
No. 04; 07; 12; 30; 31; 34; 50; 51; 52; 54; 61; 62; 80

· **Other means of identification**

· **Article number:**
Dreisol:
R3280-9104; R3280-9107; R3280-1112; R3280-2130; R3280-3131;
R3280-3134; R3280-5150; R3280-5151; R3280-5152; R3280-5154;
R3280-6161: R3280-6162; R3280-8180

Revell:
32104; 32107; 32112; 32130; 32131; 32134; 32150;
32151; 32152; 32154; 32161; 32162; 32180
Color set:
32201; 32208; 32213; 32214; 32217; 32342

· **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

· **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 identification

· **Classification of the substance or mixture**



GHS02 Flame

Flammable liquids – Category 3 H226 Flammable liquid and vapour.



GHS08 Health hazard

Reproductive Toxicity - Category 1B H360 May damage fertility or the unborn child.



GHS07

Eye damage/irritation – Category 2A H319 Causes serious eye irritation.

Specific target organ toxicity (single exposure) – Category 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 GHS08

· **Signal word** Danger

· **Hazard-determining components of labeling:**
Naphtha (petroleum), hydrotreated heavy
4-tert-butylbenzoic acid
1-methoxypropan-2-ol

· **Hazard statements**
Flammable liquid and vapour.
Causes serious eye irritation.
May damage fertility or the unborn child.
May cause drowsiness or dizziness.

· **Precautionary statements**
Keep out of reach of children.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Ground and bond container and receiving equipment.
Use explosion-proof [electrical/ventilating/lighting] equipment.
Use non-sparking tools.
Take action to prevent static discharges.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
Call a POISON CENTER/doctor if you feel unwell.
If eye irritation persists: Get medical advice/attention.
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.

· **Dangers to health**

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



Health = 2
Fire = 3
Reactivity = 0

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· **HMIS-ratings (scale 0 - 4)**

HEALTH	*2
FIRE	3
REACTIVITY	0

*Health = *2*
Fire = 3
Reactivity = 0

*
3 Composition/Information on ingredients

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

· **Dangerous components:**

	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (Naphtha (petroleum), hydrotreated heavy - outside REACH CAS 64742-48-9)	25-50% w/w *
	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics (Naphtha (petroleum), hydrotreated heavy - outside REACH CAS 64742-48-9)	10-12.5% w/w *
107-98-2	1-methoxypropan-2-ol	3-5% w/w *
27253-33-4	Calciumneodecanoat	1-2% w/w *
98-73-7	4-tert-butylbenzoic acid	0.1-0.2% w/w *

* Actual concentration ranges are withheld as a trade secret.
· **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:**
recommended: foam (if necessary alcohol resistant), carbon dioxide, extinguishing powder
· **For safety reasons unsuitable extinguishing agents:** Water with full jet

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· **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.

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.
· **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.

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7 Handling and storage

· **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Keep receptacles tightly sealed.
Avoid contact with skin and eyes.
· **Information about protection against explosions and fires:**
Protect against electrostatic charges.
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

· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**	
107-98-2 1-methoxypropan-2-ol	
EL	STEL: 100 ppm TWA: 50 ppm
EV	STEL: 550 mg/m³, 150 ppm TWA: 365 mg/m³, 100 ppm
98-73-7 4-tert-butylbenzoic acid	
EL	(I), Skin

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

· **Exposure controls**
· **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.
· **Personal protective equipment:**
· **General protective and hygienic measures:**
Immediately remove all soiled and contaminated clothing.
Keep away from foodstuffs, beverages and feed.
· **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**	
· **Physical state**	Liquid
· **Color:**	According to product specification
· **Odor:**	Petrol-like
· **Odor threshold:**	Not determined
· **Boiling point/Boiling range:**	145-205 °C
· **Explosion limits:**	
· **Lower:**	0.6 Vol %
· **Upper:**	7 Vol %

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· **Flash point:**	35 °C (DIN/ISO 3679)
· **Auto igniting:**	>200 °C (DIN 51794)
· **Decomposition temperature:**	Not determined
· **pH-value:**	not applicable Not determined
· **Viscosity:**	
· **Kinematic at 20 °C:**	80 s (DIN 53211/4)
· **Kinematic at 40 °C:**	>20.5 mm²/s
· **Dynamic:**	Not determined
· **Solubility in / Miscibility with**	
· **Water:**	Not miscible or difficult to mix.
· **Partition coefficient (n-octanol/water):**	Not determined
· **Vapor pressure at 20 °C:**	3 hPa
· **Vapor pressure at 50 °C:**	15 hPa
· **Density at 20 °C:**	1.09 g/cm³ (DIN/ISO 2811)
· **Relative density**	Not determined
· **Vapor density**	Not determined
· **Particle characteristics**	Not applicable

· **Other information**	
· **Appearance:**	
· **Form:**	Fluid
· **Important information on protection of health and environment, and on safety.**	
· **Ignition temperature:**	Product is not selfigniting.
· **Danger of explosion:**	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· **Solvent content:**	
· **Organic solvents:**	40-48 %
· **VOC (EG)**	440-540 g/l
· **Solids content:**	52-60 %
· **Evaporation rate**	Not determined

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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))

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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)
107-98-2 1-methoxypropan-2-ol		
Oral	LD50	>5,000 mg/kg (rat (Ratte))
Dermal	LD50	13,500 mg/kg (rabbit)
98-73-7 4-tert-butylbenzoic acid		
Oral	LD50	473 mg/kg (rat (Ratte))

· **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
1330-20-7	xylene, mixed isomers, pure	3
100-41-4	ethylbenzene	2B

· **NTP (National Toxicology Program)**
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)

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98-73-7 4-tert-butylbenzoic acid	
LC50/96h	>1,000 mg/l (Onchorhynchus mykiss (Regenbogenforelle))
EC50/24h	24 mg/l (Daphnia magna (Wasserfloh))

· **Persistence and degradability** No further relevant information available.
· **Bioaccumulative potential** No further relevant information available.
· **Mobility in soil** No further relevant information available.
· **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

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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.
Emptied containers must be sent for scrap recycling or reconditioning. Containers that have not been emptied properly are hazardous waste (waste code no. 150110).

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14 Transport information

· **UN-Number**	
· **DOT/TDG, IATA**	UN1263
· **ADR, ADN, IMDG**	not regulated
· **UN proper shipping name**	
· **DOT/TDG**	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

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· **Packing group**	
· **DOT/TDG, IATA**	III
· **ADR, IMDG**	not regulated
· **Environmental hazards:**	
· **Marine pollutant:**	No
· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**	Not applicable
· **Transport/Additional information:**	
· **DOT/TDG**	
· **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
· **Special precautions for user**	Not applicable
· **UN "Model Regulation":**	not regulated

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15 Regulatory information

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

· **Per- and polyfluoroalkyl substances (PFAS)**

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 GHS08

· **Signal word** Danger

· **Hazard-determining components of labeling:**
Naphtha (petroleum), hydrotreated heavy
4-tert-butylbenzoic acid
1-methoxypropan-2-ol
· **Hazard statements**
Flammable liquid and vapour.
Causes serious eye irritation.
May damage fertility or the unborn child.
May cause drowsiness or dizziness.

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· **Precautionary statements**
Keep out of reach of children.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Ground and bond container and receiving equipment.
Use explosion-proof [electrical/ventilating/lighting] equipment.
Use non-sparking tools.
Take action to prevent static discharges.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
Call a POISON CENTER/doctor if you feel unwell.
If eye irritation persists: Get medical advice/attention.
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
· **Date of previous version** 05/21/2026
· **Version number of previous version:** 34
· **Date of preparation** 07/08/2026
· **Abbreviations and acronyms:**
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
· *** Data compared to the previous version altered.**