

Safety Data Sheet

Regulation (EC) No. 1907/2006, 1272/2008

Version No.: 1.0

Printing Date: October 21, 2020

Page 1/1

SDS REPORT

The Gel Hub Limited
Tower House, 269 Walmersley Road, Bury, BL9 6NX, UK.

SDS Report No. : SDS2020101235
Compilation Date : October 12, 2020 ~ October 21, 2020
Trade Name : RUBBER BASE COAT
Composition/Ingredient of The Sample : See Section 3 on the SDS
Service Requested : Preparation of Safety Data Sheet (SDS) for the sample with submitted composition from client.
Summary : As per request, the contents and formats of the SDS are prepared in accordance with Regulation (EC) No 1907/2006, 1272/2008, Regulation (EU) No 2015/830 and are provided per attached.

* This sample is likely to be classified as cosmetic product and is out of scope of a SDS as set out in Regulation (EC) No 1907/2006. This SDS is generated for client's reference only.

Signed for and on behalf of
REAL Technical Center:


Jack Wu

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

• 1.1 Product identifier

- **Trade name:** RUBBER BASE COAT
- **Registration number:** Data not available
- **Other means of identification:** Data not available

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

- **Application of the substance/ mixture:** Nail beauty.
- **Uses advised against:** All other uses.

• 1.3 Details of the supplier of the safety data sheet

• **Manufacturer/Supplier:**

The Gel Hub Limited

Tower House, 269 Walmersley Road, Bury, BL9 6NX, UK.

Contact person: Monique Entwistle

Tel: +44 7503 503285

Email: contact@thegelhub.com

- **Further information obtainable from:** The Gel Hub Limited

• 1.4 Emergency telephone number

UNITED KINGDOM

National Poisons Information Service

Tel: + 44 (0) 844 892 0111

SECTION 2: Hazards identification

• 2.1 Classification of the substance or mixture

Classification according to regulation (EC) 1272/2008:



GHS02 Flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour



GHS07 Exclamation mark

Skin Sens. 1 H317 May cause an allergic skin reaction

• **Classification system:**

The classification is according to the latest edition of Regulation 1272/2008, and extended by company and literature data.

• 2.2 Label elements

- **Labeling according to Regulation (EC) No 1272/2008:** The product is labelled according to Regulation (EC) No 1272/2008.
- **Hazard pictograms:**



GHS02 GHS07

- **Signal word:** Danger
- **Hazard-determining components of labelling:** Ethyl methacrylate
- **Hazard statements:**

- H225 Highly flammable liquid and vapour
H317 May cause an allergic skin reaction
- **Precautionary statement:**
- P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264 Wash hands and face thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P370 + P378 In case of fire: Use CO₂, chemical powder, water spray or alcohol resistant foam to extinguish. Do not use water with full jet
P403 + P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container in accordance with local regulation.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- PBT:** Not applicable
vPvB: Not applicable

SECTION 3: Composition/information on ingredients

• 3.1 Chemical characterization: Mixture

• Description:

Mixture of the substances listed below with nonhazardous additions; For the wording of the listed risk phrases refer to section 16.

Substance	CAS No.	Index No.	EC No.	Conc. w/w	CLP Classification	SCL/M-factor
Polysilicone-13	158451-77-5	-	-	35%	None	-
Acrylates copolymer	25035-69-2	-	-	30%	None	-
Ethyl methacrylate	97-63-2	607-071-00-2	202-597-5	15%	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319 STOT SE 3, H335	Skin Irrit. 2, H315: C _≥ 20%; Eye Irrit. 2, H319: C _≥ 20%
Butyl acetate	123-86-4	607-025-00-1	204-658-1	5%	Flam. Liq. 3, H226 STOT SE 3, H336 EUH066	-
Stearalkonium bentonite	130501-87-0	-	-	5%	None	-
Microcrystalline wax	63231-60-7	-	264-038-1	5%	None	-
Isopropyl titanium triisostearate	61417-49-0	-	262-774-8	3%	None	-
CI 77000 (stabilised)	7429-90-5	013-002-00-1	231-072-3	2%	Flam. Sol. 1, H228 Water-react. 2, H261	-

SECTION 4: First aid measures

• 4.1 Description of first aid measures

General advice: If medical advice is needed, have product container or label at hand.

After inhalation: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

After skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. If there are signs of irritation or other symptoms seek medical attention.

After eye contact: Rinse cautiously with water. If eye irritation occurs: Get medical advice/attention.

After swallowing: Wash mouth. Do NOT induce vomiting; Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.

• **4.2 Most important symptoms and effects, both acute and delayed:** May cause an allergic skin reaction.

• **4.3 Indication of any immediate medical attention and special treatment needed:** Treatment according to symptoms, no known specific medicine.

SECTION 5: Fire-fighting measures

• **5.1 Extinguishing media**

• **Suitable extinguishing agents:** Use CO₂, chemical powder, water spray or alcohol resistant foam to extinguish.

• **Unsuitable extinguishing media:** Water with full jet.

• **5.2 Special hazards arising from the substance or mixture:** Vapours may form explosive mixture with air.

• **5.3 Advice for firefighters**

Protective equipment: Wear an approved positive pressure self-contained breathing apparatus (Comply with EN 133).

SECTION 6: Accidental release measures

• **6.1 Personal precautions, protective equipment and emergency procedures:**

• **6.1.1 For non-emergency personnel**

Protective equipment: Wear protective gloves/protective clothing/eye protection/face protection; Use respiratory protective device.

Emergency procedures: Evacuate immediately; Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area); Avoid breathing vapor; Beware of accumulation of vapor in low areas or contained areas, where explosive concentrations may occur; Avoid contact with eyes and skin.

• **6.1.2 For emergency responders**

Personal protective equipment: Wear protective gloves/protective clothing/eye protection/face protection.

• **6.2 Environmental precautions:**

Prevent further leakage or spillage if safe to do so; Prevent spillage from entering drains, sewer, basement or confined areas; if the spillage contaminates rivers, lakes or drains inform respective authorities.

• **6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust); Ensure good ventilation; Eliminate sources of ignition; Dispose contaminated material as waste according to item 13.

• **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 disposal information.

SECTION 7: Handling and storage

• **7.1 Precautions for safe handling:**

Read label before use; Use only outdoors or in a well-ventilated area; Avoid all sources of ignition; Wear personal protective equipment; Avoid breathing vapors; Use respiratory protective device against the effects of vapor; Avoid contact with eyes and skin.

- **Information about fire and explosion protection:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking; Keep container tightly closed; Ground/bond container and receiving equipment; Use explosion-proof electrical/ventilating/lighting equipment; Use only non-sparking tools; Take precautionary measures against static discharge.
- **7.2 Conditions for safe storage, including any non-compatibility**
- **Requirements to be met by storerooms and receptacles:** Store in a well-ventilated place. Keep cool.
- **Information about storage in one common storage facility:** Keep out of reach of children; Keep away from heat, sparks, open flames and hot surfaces.
- **Further information about storage conditions:** Store locked up.
- **7.3 Specific end use(s):** See section 1.2.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**

Country	Limit value - Eight hours	Limit value - Short term
97-63-2 Ethyl methacrylate		
Austria	50ppm; 250mg/m ³	75ppm; 375 mg/m ³
Denmark	25ppm; 117mg/m ³	50ppm; 234mg/m ³
Finland	10ppm; 47mg/m ³	20ppm; 95mg/m ³ 15 minutes average value
Sweden	50ppm; 250mg/m ³	75ppm; 350 mg/m ³ 15 minutes average value
123-86-4 Butyl acetate		
Austria	100ppm; 480 mg/m ³	100ppm; 480 mg/m ³
Belgium	50ppm; 238 mg/m ³ Butylacetates, all isomers	150ppm; 712 mg/m ³ Butylacetates, all isomers; 15 minutes average value
Denmark	150ppm; 710 mg/m ³	300ppm; 1420 mg/m ³
Finland	150ppm; 720 mg/m ³	200ppm; 960 mg/m ³ 15 minutes average value
France	150ppm; 710 mg/m ³	200ppm; 940 mg/m ³
Germany (AGS)	62ppm; 300 mg/m ³	124ppm; 600 mg/m ³ 15 minutes average value
Germany (DFG)	100ppm; 480 mg/m ³	200ppm; 960 mg/m ³ STV 15 minutes average value
Hungary	950 mg/m ³	950 mg/m ³
Ireland	150ppm; 710 mg/m ³	200ppm; 950 mg/m ³ 15 minutes average value
Latvia	200 mg/m ³	-
Poland	200 mg/m ³	950 mg/m ³
Romania	150ppm; 715 mg/m ³	200ppm; 950 mg/m ³ 15 minutes average value
Spain	150ppm; 724 mg/m ³	200ppm; 965 mg/m ³
Sweden	100ppm; 500 mg/m ³	150ppm; 700 mg/m ³ 15 minutes average value
United Kingdom	150ppm; 724 mg/m ³	200ppm; 966 mg/m ³
7429-90-5 CI 77000		
Denmark	5mg/m ³ inhalable aerosol; 2mg/m ³ respirable aerosol	10mg/m ³ inhalable aerosol; 4mg/m ³ respirable aerosol
France	10 mg/m ³ inhalable aerosol; 5 mg/m ³ respirable aerosol	-
Germany (DFG)	4 mg/m ³ inhalable aerosol; 1.5 mg/m ³ respirable aerosol	-
Hungary	6 mg/m ³ respirable aerosol	-
Ireland	1 mg/m ³ respirable fraction	-

Latvia	2 mg/m ³	-
Spain	10 mg/m ³ inhalable aerosol; 5 mg/m ³ respirable aerosol	-
United Kingdom	10 mg/m ³ inhalable aerosol; 5 mg/m ³ respirable aerosol	-

• **DNELs:**

DNEL type		DNEL worker value	DNEL consumer value
97-63-2 Ethyl methacrylate			
Systemic Effects	Long-term, inhalation exposure	370.5 mg/m ³	76 mg/m ³
	Long-term, dermal	10.8 mg/kg bw/day	6.5 mg/kg bw/day
Local effects	Long-term, inhalation exposure	267 mg/m ³	189.8 mg/m ³
123-86-4 Butyl acetate			
Systemic effects	Long-term, inhalation exposure	48 mg/m ³	12 mg/m ³
	Acute /short term, inhalation exposure	600 mg/m ³	300 mg/m ³
	Long-term, dermal exposure	7 mg/kg bw/day	3.4 mg/kg bw/day
	Acute /short term, dermal exposure	11 mg/kg bw/day	6 mg/kg bw/day
	Long-term, oral exposure	-	2 mg/kg bw/day
	Acute /short term, oral exposure	-	2 mg/kg bw/day
Local effects	Long-term, inhalation exposure	300 mg/m ³	35.7 mg/m ³
	Acute /short term, inhalation exposure	600 mg/m ³	300 mg/m ³

• **PNECs:**

PNEC type	Value
97-63-2 Ethyl methacrylate	
Freshwater	1.8 mg/L
Intermittent releases (freshwater)	1.8 mg/L
Marine water	1.8 mg/L
Sewage treatment plant (STP)	100 mg/L
Sediment (freshwater)	40 mg/kg sediment dw
123-86-4 Butyl acetate	
Freshwater	180 µg/L
Intermittent releases (freshwater)	360 µg/L
Marine water	18 µg/L
Sewage treatment plant (STP)	35.6 mg/L
Sediment (freshwater)	981 µg/kg sediment dw
Sediment (marine water)	98.1 µg/kg sediment dw

• **Additional information:** The lists valid during the marking were used as basis.

• **8.2 Exposure controls**

• **Based on the composition shown in section 3, the following measures are suggested for occupational safety measure.**

• **Appropriate engineering controls:**

Handle in accordance with good industrial hygiene and safety practice; Wash hands and face before breaks and at the end of work;
 Take off contaminated clothing and wash it before reuse; See section 7 for information about design of technical facilities.

• **Personal protective equipment**

• **Respiration protection:** Use positive pressure breathing mask if concentrations in air could exceed occupational exposure standard.

• **Protection of hands:**



Protective gloves

Gloves made from butyl rubber Neoprene™ rubber; nitrile rubber (thickness > 0.11mm; breakthrough times up to 480 minutes).

• Eye protection:



Safety glasses

Protective goggles with side-shields.

• Environmental exposure controls:

Control measures must be made in accordance with Community environmental protection legislation.

SECTION 9: Physical and chemical properties

• 9.1 Information on basic physical and chemical properties

• Appearance:

Form	Gel
Color	Multicolor
Odor	Light odor
Odor threshold	Not determined
pH-value	Not determined

• Change in condition

Melting point/melting range	Not determined
Boiling point and boiling range	>35°C
Freezing point	Not determined
Flash point	<23°C (closed cup)
Flammability (solid, gas)	Not applicable
Decomposition temperature	Not determined
Self-ignition	Not determined
Danger of explosion	Product is not explosive. However, formation of explosive air/vapor mixtures is possible.

• Explosion limits

Lower:	Not determined
Upper:	Not determined
Oxidizing properties	Not determined
Vapor pressure	Not determined
Density	Not determined
Relative density	Not determined
Vapor density	Not determined
Evaporation rate	Not determined

• Solubility in/Miscibility with

Water	Not determined
Partition coefficient (n-octanol/water)	Not determined
Viscosity	
Dynamic	Not determined
Kinematic	Not determined
9.2 Other information	Not determined

SECTION 10: Stability and reactivity

- **10.1 Reactivity:** No decomposition if used according to specification.
- **10.2 Chemical stability:** Stable under recommended storage conditions.
- **10.3 Possibility of hazardous reactions:** No known hazardous reaction.
- **10.4 Conditions to avoid:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- **10.5 Incompatible materials:** Strong acid, strong oxidizing agent and flammable substance.
- **10.6 Hazardous decomposition products:** No known hazardous decomposition products.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:** Based on available data, the classification criteria are not met.
- **LD50/LC50 values relevant for classification:** No animal test has been done for this product or the components.
- **Skin corrosion/irritation:** Based on available data, the classification criteria are not met.
- **Serious eyes damage/ irritation:** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitization:** May cause an allergic skin reaction.
- **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:** Based on available data, the classification criteria are not met.
- **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.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** Not hazardous to the aquatic environment.

LC50/EC50/NOEC values relevant for classification:

61417-49-0 Isopropyl titanium triisostearate

Short-term toxicity to aquatic invertebrates	EC50 (24 h) 10 g/L
----------------------------------------------	--------------------

123-86-4 Butyl acetate

Short-term toxicity to fish	LC50 (4 days) 18 mg/L EC50 (4 days) 18 mg/L
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Short-term toxicity to aquatic invertebrates	EC50 (48 h) 32 - 44 mg/L
----------------------------------------------	--------------------------

Long-term toxicity to aquatic invertebrates	NOEC (21 days) 23.2 mg/L EC50 (21 days) 34.2 mg/L LC50 (21 days) 43.5 mg/L
---------------------------------------------	----------------------------------------------------------------------------------


Toxicity to aquatic algae and cyanobacteria	EC50 (48 h) 392 mg/L
---------------------------------------------	----------------------

NOEC (72 h) 105 - 196 mg/L		
• 12.2 Persistence and degradability: Readily biodegradable.		
61417-49-0	Isopropyl titanium triisostearate	Readily biodegradable in water
123-86-4	Butyl acetate	Readily biodegradable in water
• 12.3 Bio-accumulative potential: Moderate bio-accumulation.		
123-86-4	Butyl acetate	Log Pow = 1.81 - 2.3 at 23 - 25 °C and pH 7
• 12.4 Mobility in soil: High mobility in soil.		
• 12.5 Results of PBT and vPvB assessment		
PBT: Not applicable		
vPvB: Not applicable		
• 12.6 Other adverse effects: No known other adverse effects.		
• 12.7 Additional ecological information		
• General notes: Water hazard class 1 (German Regulation) (self-assessment): Low hazard to waters.		
Do not allow large quantities of the product to reach ground water, water course or sewage system.		

SECTION 13: Disposal consideration

- 13.1 Waste treatment methods
- Recommendation: Must not be disposed together with household garbage.
- 13.2 Un-cleaned packaging
- Recommendation: Dispose of contents/container in according to the local/regional/national/ international regulation.

SECTION 14: Transport information

• 14.1 UN-Number ADR, RID, ADN, IMDG, IATA	UN1263
• 14.2 UN proper shipping name ADR, RID, ADN, IMDG, IATA	PAINT
• 14.3 Transport hazard class (es) ADR, RID, ADN, IMDG, IATA	
Class	3 Flammable liquids.
Label	3
• 14.4 Packing group ADR, RID, ADN, IMDG, IATA	II
• 14.5 Marine pollution	No
• 14.6 Special precautions for user	Warning: Flammable liquids
• Danger code (Kemler)	33
• EMS number	F-E,S-E
• 14.7 UN "Model Regulation"	UN1263, PAINT, 3, II

SECTION 15: Regulatory information

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

- **MAK (German Maximum Workplace Concentration):** 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:** 5000 ton(net)
- **Qualifying quantity (tonnes) for the application of upper-tier requirements:** 50000 ton(net)
- **National regulations.**
- **Water hazard class:** Water hazard class 1 (German Regulation) (self-assessment): Low hazard to waters.
- **Other regulations, limitations and prohibitive regulations**
- **SVHC Candidate list of REACH Regulation Annex XIV Authorization:** None of the ingredients is listed.
- **REACH Regulation Annex XVII Restriction:** None of the ingredients is listed.
- **REACH Regulation Annex XIV Authorization List:** None of the ingredients is listed.
- **15.2 Chemical safety assessment:** A Chemical Safe Assessment has not been carried out.

SECTION 16: Other information

Relevant phrases:

H225 Highly flammable liquid and vapour

H226 Flammable liquid and vapour

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H319 Causes serious eye irritation

H335 May cause respiratory irritation

H336 May cause drowsiness or dizziness

EUH066 Repeated exposure may cause skin dryness or cracking

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

DISCLAIMER OF LIABILITY:

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Abbreviations and acronyms:

ADR: Accord européen sur le transport 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.

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

PBT: Persistent, Bio accumulative and Toxic

SVHC: Substance of Very High Concern

LD50: Lethal dose, 50 percent

LC50: Lethal concentration, 50 percent

EC50: Concentration of maximal effect, 50 percent

NOEC: No observed effect concentration

COD: Chemical oxygen demand

Flam. Liq. 2: Flammable liquids, hazard category 2

Flam. Liq. 3: Flammable liquids, hazard category 3

Skin Irrit.2: Skin corrosion/irritation, hazard category 2

Skin Sens. 1: Respiratory or skin sensitization, hazard category 1

Eye Irrit. 2: Eye damage/irritation, hazard category 2

STOT SE 3: Specific target organ toxicity after single exposure, hazard category 3

End of safety data sheet