

Safety Data Sheet

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

Version No.: 1.0

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SDS REPORT

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

SDS Report No. : SDS2020101231
Compilation Date : October 12, 2020 ~ October 21, 2020
Trade Name : TOP 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:



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

• 1.1 Product identifier

• **Trade name:** TOP 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:



GHS07 Exclamation mark

Skin Irrit.2 H315 Causes skin irritation

Skin Sens. 1A H317 May cause an allergic skin reaction

Eye Irrit. 2 H319 Causes serious eye irritation

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects

• 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 labeled according to Regulation (EC) No 1272/2008.

• **Hazard pictograms:**



GHS07

• **Signal word:** Warning

• **Hazard-determining components of labelling:** 2-Hydroxyethyl methacrylate; Phenyl bis (2,4,6-trimethylbenzoyl) -phosphine oxide

• **Hazard statements:**

H315 Causes skin irritation

H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H412	Harmful to aquatic life with long lasting effects
• 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.
P261	Avoid breathing vapors.
P264	Wash hands and face thoroughly after handling.
P280	Wear protective gloves/ eye protection/ face protection.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501	Dispose of contents/container in accordance with local/regional/national/international 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
Di-Hema trimethylhexyl Dicarbamate	41137-60-4	-	255-239-5	66%	Aquatic Chronic 3, H412	-
2-Hydroxyethyl methacrylate	868-77-9	607-124-00-X	212-782-2	22%	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319	Skin Irrit. 2, H315: C _≥ 20%; Eye Irrit. 2, H319: C _≥ 20%
Hydroxycyclohexyl phenyl ketone	947-19-3	-	213-426-9	6%	None	-
Phenyl bis (2,4,6-trimethylbenzoyl) -phosphine oxide	162881-26-7	015-189-00-5	423-340-5	6%	Skin Sens. 1A, H317 Aquatic Chronic 4, H413	-

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: Supply with fresh air. Consult doctor if you feel unwell.

After skin contact: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

After eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

After swallowing: Rinse mouth. Call a POISON CENTER/doctor if you feel unwell.

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

Causes serious eye irritation.

• **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, 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:** May produce irritant / allergic vapor in air under fire.

• **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/ eye protection/ face protection.

Emergency procedures: Cut off leakage source and collect spillage timely if safe to do it; Ensure adequate ventilation; Avoid contact with skin and eyes; Avoid release to the environment.

• **6.1.2 For emergency responders**

Personal protective equipment: Wear protective gloves/eye protection/face protection; Use respiration protection against the vapor.

• **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; Dispose contaminated material as waste according to section 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 in formation.

SECTION 7: Handling and storage

• **7.1 Precautions for safe handling:**

Read label before use; Ensure adequate ventilation at workplace; Avoid breathing vapors; Wear protective gloves/eye protection/face protection; Avoid contact with skin and eyes; Avoid release to the environment.

• **Information about fire and explosion protection:** Normal measures for preventive fire protection.

• **7.2 Conditions for safe storage, including any non-compatibility**

• **Requirements to be met by storerooms and receptacles:** Store in a cool and well-ventilated place.

• **Information about storage in one common storage facility:** Keep out of reach of children.

• **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: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

DNELs:

DNEL type		DNEL worker value	DNEL consumer value
868-77-9 2-Hydroxyethyl methacrylate			
Systemic effects	Long-term, inhalation exposure	4.9 mg/m ³	2.9 mg/m ³
	Long-term, dermal exposure	1.3 mg/kg bw/day	830 µg/kg bw/day
	Long-term, oral exposure	-	830 µg/kg bw/day
947-19-3 Hydroxycyclohexyl phenyl ketone			
Systemic Effects	Long-term, inhalation exposure	21.16 mg/m ³	5.22 mg/m ³
	Long-term, dermal exposure	3 mg/kg bw/day	1.5 mg/kg bw/day
	Long-term, oral exposure	-	1.5 mg/kg bw/day
162881-26-7 Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide			
Systemic effects	Long-term, inhalation exposure	7.84 mg/m ³	1.93 mg/m ³
	Acute /short term, inhalation exposure	7.84 mg/m ³	3.92 mg/m ³
	Long-term, dermal exposure	3 mg/kg bw/day	1.5 mg/kg bw/day
	Acute /short term, dermal exposure	3.33 mg/kg bw/day	1.67 mg/kg bw/day
	Long-term, oral exposure	-	1.5 mg/kg bw/day
	Acute /short term, oral exposure	-	1.67 mg/kg bw/day

PNECs:

PNEC type	Value
868-77-9 2-Hydroxyethyl methacrylate	
Freshwater	482 µg/L
Intermittent releases (freshwater)	1 mg/L
Marine water	482 µg/L
Intermittent releases (marine water)	1 mg/L
Sewage treatment plant (STP)	10 mg/L
Sediment (freshwater)	3.79 mg/kg sediment dw
Sediment (marine water)	3.79 mg/kg sediment dw
947-19-3 Hydroxycyclohexyl phenyl ketone	
Freshwater	14.4 µg/L
Intermittent releases (freshwater)	144 µg/L
Marine water	1.44 µg/L
Sewage treatment plant (STP)	10 mg/L
Sediment (freshwater)	186 µg/kg sediment dw
Sediment (marine water)	18.6 µg/kg sediment dw
162881-26-7 Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	
Freshwater	800 - 1 000 ng/L
Intermittent releases (freshwater)	800 - 1 000 ng/L
Marine water	800 - 1 000 ng/L
Sewage treatment plant (STP)	1 mg/L
Sediment (freshwater)	712 µg/kg sediment dw

Sediment (marine water)	712 µg/kg sediment dw
<p>• Additional information: The lists valid during the marking were used as basis.</p> <p>• 8.2 Exposure controls</p> <p>• Based on the composition shown in section 3, the following measures are suggested for occupational safety measure.</p> <p>• 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.</p> <p>• Personal protective equipment</p> <p>• Respiration protection: Respiration protection is recommended.</p> <p>• Protection of hands:</p>	
 <p>Protective gloves Gloves made from butyl rubber Neoprene™ rubber, nitrile rubber (thickness > 0.11mm; breakthrough times up to 480 minutes).</p>	
<p>• Eye protection:</p>  <p>Safety glasses Protective goggles with side-shields.</p>	
<p>• Environmental exposure controls: Control measures must be made in accordance with Community environmental protection legislation.</p>	

SECTION 9: Physical and chemical properties

• 9.1 Information on basic physical and chemical properties

• Appearance:

Form	Viscous liquid
Color	Colorless
Odor	Slightly smell
Odor threshold	Not determined
• pH-value	Not determined
• Change in condition	
Melting point/melting range	Not determined
Boiling point and boiling range	Not determined
• Freezing point	Not determined
• Flash point	>93°C (closed cup)
• Flammability (solid, gas)	Not applicable
• Decomposition temperature	Not determined
• Self-ignition	Product is not self-igniting
• Danger of explosion	Product does not present explosive hazard.
• 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	Insoluble in water
· 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:** High temperature.
- **10.5 Incompatible materials:** Peroxides, reducing agents and oxidizing agents.
- **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:** Causes skin irritation.
- **Serious eyes damage/ irritation:** Causes serious eye irritation.
- **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:** Harmful to aquatic life with long lasting effects.

868-77-9 2-Hydroxyethyl methacrylate	
Short-term toxicity to fish	LC50 (4 days) 100 mg/L
Short-term toxicity to aquatic invertebrates	EC50 (48 h) 380 mg/L NOEC (48 h) 171 mg/L
Long-term toxicity to aquatic invertebrates	NOEC (21 days) 24.1 mg/L EC50 (21 days) 90.1 mg/L LC50 (21 days) 100 mg/L
Toxicity to aquatic algae and cyanobacteria	EC50 (72 h) 345 - 836 mg/L NOEC (72 h) 160 - 400 mg/L
947-19-3 Hydroxycyclohexyl phenyl ketone	
Short-term toxicity to fish	LC50 (4 days) 24 mg/L
Short-term toxicity to aquatic invertebrates	EC50 (48 h) 53.9 mg/L
Toxicity to aquatic algae and cyanobacteria	EC50 (72 h) 4.68 - 14.4 mg/L NOEC (72 h) 700 µg/L
Toxicity to microorganisms	EC50 (3 h) 100 mg/L
162881-26-7 Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	
Short-term toxicity to fish	LC50 (4 days) 90 µg/L
Short-term toxicity to aquatic invertebrates	EC50 (48 h) 1.175 mg/L NOEC (48 h) 3.1 µg/L
Long-term toxicity to aquatic invertebrates	NOEC (21 days) 8.1 µg/L
Toxicity to aquatic algae and cyanobacteria	EC50 (72 h) 260 µg/L NOEC (72 h) 260 µg/L
Toxicity to microorganisms	EC50 (3 h) 100 mg/L NOEC (3 h) 100 mg/L

• **12.2 Persistence and degradability:** Readily biodegradable.

868-77-9	2-Hydroxyethyl methacrylate	Readily biodegradable in water
947-19-3	Hydroxycyclohexyl phenyl ketone	Readily biodegradable in water
162881-26-7	Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	Under test conditions no biodegradation observed

• **12.3 Bio-accumulative potential:** Low bio-accumulation.

868-77-9	2-Hydroxyethyl methacrylate	Log Pow=0.42 at 25 °C and pH 5.9 - 6.1
947-19-3	Hydroxycyclohexyl phenyl ketone	Log Pow= 2.81 at 25 °C and pH 5.8
162881-26-7	Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	Log Pow= 4.65-5.8 at 20 - 22 °C and pH 7 - 8.3

• **12.4 Mobility in soil:** Low 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 2 (German Regulation) (self-assessment): Hazard to waters.

Do not allow 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	Not regulated as dangerous transport goods, not applicable
· 14.2 UN proper shipping name ADR, RID, ADN, IMDG, IATA	Void
· 14.3 Transport hazard class (es) ADR, RID, ADN, IMDG, IATA Class Label	Void Void
· 14.4 Packing group ADR, RID, ADN, IMDG, IATA	Void
· 14.5 Marine pollution	Yes
· 14.6 Special precautions for user · Danger code (Kemler) · EMS number	Void Void Void
· 14.7 UN "Model Regulation"	Void

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:** Not applicable
- **Qualifying quantity (tonnes) for the application of lower-tier requirements:** Not applicable
- **Qualifying quantity (tonnes) for the application of upper-tier requirements:** Not applicable
- **National regulations.**
- **Water hazard class:** Water hazard class 2 (German Regulation) (self-assessment): 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:

- H315 Causes skin irritation
H317 May cause an allergic skin reaction
H319 Causes serious eye irritation
H412 Harmful to aquatic life with long lasting effects

H413 May harmful to aquatic life with long lasting effects

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

vPvB: very persistent or very bioaccumulative

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

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

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

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

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

STOT RE 2: Specific target organ toxicity after repeated exposure, hazard category 2

Aquatic Chronic 3: Hazardous to the aquatic environment-chronic toxic, hazard category 3

Aquatic Chronic 4: Hazardous to the aquatic environment-chronic toxic, hazard category 4

End of safety data sheet