

Safety Data Sheet

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

Version: 1.0

Print Date: Apr. 8, 2020

Page 1/1

SDS REPORT

JadeUK Ltd
16 Upton Road Tarring BN13 1BU UK

SDS Report No. : SDS201905101
Compilation Date : Apr. 6, 2020~Apr. 8, 2020
Trade Name : Clear Rubber Base Coat
Composition/Ingredient of The Sample : See Section 3 on the SDS
Service Requested : Safety Data Sheet (SDS) for the sample with submitted composition.
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.

Signed for and on behalf of
REAL Technical Center:



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

- **1.1 Product identifier**
 - **Trade name:** *Clear Rubber Base Coat*
 - **Registration number:** *Data not available*
- **1.2 Relevant identified uses of the substance or mixture and uses advised against on**
 - **Application of the substance/ mixture:** *Nail Art.*
- **1.3 Details of the supplier of the safety data sheet**
 - **Manufacturer/Supplier:** *JadeUK Ltd*
16 Upton Road Tarring BN13 1BU UK
Email: info@jadeuk.co.uk
 - **Further information obtainable from:** *JadeUK Ltd*

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 Irrit. 2 H315 Causes skin irritation
Skin Sens. 1 H317 May cause an allergic skin reaction
Eye Irrit. 2 H319 Causes serious eye irritation

- **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:**



GHS02 GHS07

- **Signal word:** *Danger*
- **Hazard statements:**
 - H225 Highly flammable liquid and vapour*
 - H315 Causes skin irritation*

H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
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.
P280	Wear protective gloves /eye protection/face protection.
P321	Specific treatment see first aid measures on this label
P370 + P378	In case of fire: Use CO ₂ 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.

Component:		
CAS No.: 158451-77-5	Polysilicone-13	35%
CAS No.: 25035-69-2 EC No.: 607-492-1	2-Propenoic acid, 2-methyl-, polymer with butyl 2-propenoate and methyl 2-methyl-2-propenoate	30%
CAS No.: 97-63-2 EC No.: 202-597-5 Index No.: 607-071-00-2	Ethyl methacrylate Flam. Liq. 2, H225; Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Irrit. 2, H319; STOT SE 3, H335	15%
CAS No.: 67-63-0 EC No.: 200-661-7 Index No.: 603-117-00-0	Propan-2-ol Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	5%
CAS No.: 130501-87-0	Stearalkonium bentonite	5%
CAS No.: 63231-60-7 EC No.: 264-038-1	Paraffin waxes and Hydrocarbon waxes, microcryst	5%
CAS No.: 61417-49-0 EC No.: 262-774-8	Tris(isooctadecanoato-O)(propan-2-olato)titanium	3%
CAS No.: 7429-90-5 EC No.: 231-072-3 Index No: 013-002-00-1	Aluminium powder (stabilised) Flam. Sol. 1 H228; Water-react. 2 H261	2%

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. 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 for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: 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:** 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:** Treat for 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. Do not use water with full jet.

• **5.2 Special hazards arising from the substance or mixture:** Carbon monoxide and oxynitride.

• **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:**

Cut off leakage source and collect spillage timely if safe do it; Ensure adequate ventilation; Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area); Wear personal protective equipment; Avoid breathing vapor; Beware of accumulation of vapor in low areas or contained areas, where explosive concentrations may occur; Avoid contact eyes and skin.

• **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 information.

SECTION 7: Handling and storage

• **7.1 Precautions for safe handling:**

Read label before use; Smoking, eating and drinking should be prohibited; Use only in well ventilated areas; Avoid all sources of ignition; Wear protective gloves/protective clothing/eye protection/face protection; 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 flammable substance.
- **Further information about storage conditions:** Store locked up.
- **7.3 Specific end use(s):** Nail Art.

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 (15%)		
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
67-63-0 Propan-2-ol (5%)		
Austria	200ppm; 500mg/m ³	800ppm; 2000 mg/m ³
Belgium	200ppm; 500mg/m ³	400ppm; 1000mg/m ³
Denmark	200ppm; 490mg/m ³	400ppm; 980mg/m ³
Finland	200ppm; 500mg/m ³	250ppm; 620mg/m ³ 15 minutes average value
France	-	400ppm; 980mg/m ³
Germany (AGS)	200ppm; 500mg/m ³	400ppm; 1000mg/m ³ 15 minutes average value
Germany (DFG)	200ppm; 500mg/m ³	400ppm; 1000mg/m ³ 15 minutes average value
Hungary	500 mg/m ³	2000 mg/m ³
Ireland	200ppm	400ppm
Latvia	350 mg/m ³	600 mg/m ³ 15 minutes average value
Poland	900mg/m ³	1200mg/m ³
Spain	200ppm; 500mg/m ³	400ppm; 1000mg/m ³
Sweden	150ppm; 350 mg/m ³	250ppm; 600 mg/m ³ 15 minutes average value
United Kingdom	400ppm; 999 mg/m ³	500ppm; 1250mg/m ³

- **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
	Long-term, dermal	10.8 mg/kg bw/day
Local effects	Long-term, inhalation exposure	267 mg/m ³
67-63-0 Propan-2-ol		
Systemic effects	Long-term, inhalation exposure	-
	Long-term, dermal exposure	-
	Long-term, oral exposure	-

- **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
67-63-0 Propan-2-ol	
Freshwater	140.9 mg/L
Intermittent release	140.9 mg/L
Marine water	140.9 mg/L
Sewage treatment plant	2.251 g/L
Sediment, freshwater	552 mg/kg sediment dw
Sediment, marine water	552 mg/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; See section 7 for information about design of technical facilities.

• **Personal protective equipment**

• **Respiration protection:** Dust mask is recommended.

• **Protection of hands:**



Protective gloves

Gloves made from butyl rubber Neoprene™ rubber, nitrile rubber (A111); 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 applicable
• Change in condition	
Melting point/melting range	Not determined
Boiling point and boiling range	Not determined
• Freezing point	Not determined
• Flash point	<23°C
• 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	No oxidation
· Vapor pressure	Not determined
· Density	Not determined
· Relative density	Not determined
· Vapor density	Not determined
· Evaporation rate	Not determined
· Solubility in/Miscibility with	
Water	Part soluble with water
· Partition coefficient (n-octanol/water)	Not determined
· Viscosity	
Dynamic	Not determined
Kinematic	Not determined
· 9.2 Other information	Data not available

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 further relevant information available.
- **10.4 Conditions to avoid:** Heat/sparks/open flames/hot surfaces.
- **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.
- **LD/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:** Not hazardous to aquatic environment.

97-63-2 Ethyl methacrylate

Short-term toxicity to fish	LC50 (4 days) 100 mg/L NOEC (4 days) 28 mg/L
Long-term toxicity to fish	NOEC (35 days) 9.4 - 10 mg/L LOEC (35 days) 18.8 - 23 mg/L LC50 (35 days) 33.7 - 42 mg/L
Short-term toxicity to aquatic invertebrates	EC50 (48 h) 66 mg/L NOEC (48 h) 41 mg/L
Long-term toxicity to aquatic invertebrates	NOEC (21 days) 18 mg/L LOEC (21 days) 31 mg/L EC50 (21 days) 31 mg/L
Toxicity to aquatic algae and cyanobacteria	EC50 (72 h) 72 - 110 mg/L NOEC (72 h) 10 - 110 mg/L LOEC (72 h) 27 - 110 mg/L
Toxicity to microorganisms	EC50 (30 min) 1 - 1.8 g/L
67-63-0 Propan-2-ol	
Short-term toxicity to fish	LC50 (4 days) 9.64 - 10 g/L
Short-term toxicity to aquatic invertebrates	EC50 (24 h) 10 g/L LC50 (24 h) 10 g/L

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

97-63-2	Ethyl methacrylate	Readily biodegradable in water
67-63-0	Propan-2-ol	BOD5=2.23 g O2/g; Readily biodegradable in water

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

97-63-2	Ethyl methacrylate	Log Pow = 1.87 at 20 °C and pH 7
67-63-0	Propan-2-ol	Log Pow= 0.05 at 25 °C

• **12.4 Mobility in soil:** Data not available.

• **12.5 Results of PBT and vPvB assessment**

PBT: Not applicable

vPvB: Not applicable

• **12.6 Other adverse effects:** No further relevant information available.

• **12.7 Additional ecological information**

• **General notes:** Water hazard class 1 (German Regulation) (self-assessment): Slightly hazardous for water.

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

UN1993

<ul style="list-style-type: none"> · 14.2 UN proper shipping name ADR, RID, ADN, IMDG, IATA 	FLAMMABLE LIQUID, N.O.S.
<ul style="list-style-type: none"> · 14.3 Transport hazard class (es) ADR, RID, ADN, IMDG, IATA 	
<ul style="list-style-type: none"> Class Label 	
<ul style="list-style-type: none"> · 14.4 Packing group ADR, RID, ADN, IMDG, IATA 	II
<ul style="list-style-type: none"> · 14.5 Marine pollution 	No
<ul style="list-style-type: none"> · 14.6 Special precautions for user Danger code (Kemler) EMS Number 	Warning: Flammable liquids 33 F-E,S-E
<ul style="list-style-type: none"> · 14.7 UN "Model Regulation" 	UN1993, FLAMMABLE LIQUID, N.O.S., 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): None of the ingredients is listed.
- 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:

- H226 Flammable liquid and vapour
- H228 Flammable Solid
- H225 Highly 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

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.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals

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.

LOEC: Lowest observed effect concentration.

Flam. Sol. 1: Flammable solids, hazard category 1

Water-react. 2: Contact with water emit flammable gases, hazard category 2

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

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

Skin Sens. 1: 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