

Safety Data Sheet

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

Trade Name: BASE COAT

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SDS REPORT

JadeUK Ltd
16 Upton Road Tarring BN13 1BU UK

SDS Report No. : SDS201706092
Compilation Date : Apr. 7, 2020~ Apr. 9, 2020
Sample Name : BASE COAT
Composition/Ingredient of The Sample : See section 3 Composition/information on ingredients on the SDS report
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 is 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
Technical Center:



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

· 1.1 Product identifier

- Trade name: 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 Beauty

· 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:



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

- Information concerning particular hazards for human and environment:

The product has to be labeled due to the calculation procedure of Regulation (EC) 1272/2008.

- Classification system:

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

· 2.2 Label elements

- Labeling according to Regulation (EC) No 1272/2008:

The product is classified and labelled according to the CLP regulation.

- Hazard pictograms:



GHS07

- Signal word: Warning

· Hazard-determining components of the labeling: 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

· 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 mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area.
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.
P321 Specific treatment see the first aid measures on this label.
P501 Dispose of contents/container in accordance with local regulations.

· 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: Mixtures

· Description:

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

· Components:

| | | |
|---|---|-----|
| CAS No.: None | Styrene/Acrylates Copolymer/Polyurethane | 66% |
| CAS No.:868-77-9 EC No.:212-782-2 Index No.: 607-124-00-X | 2-hydroxyethyl methacrylate ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317 | 20% |
| CAS No.:162881-26-7 EC No.: 423-340-5 Index No.: 015-189-00-5 | Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide ⚠ Skin Sens. 1, H317; Aquatic Chronic 3, H412 | 10% |
| CAS No.: 947-19-3 EC No.: 213-426-9 | Hydroxycyclohexyl phenyl ketone | 4% |

Remark:

- 1) Styrene/Acrylates Copolymer/Polyurethane is a copolymer of Styrene/Acrylates copolymer with cyclohexanedimethanol, benzoic acid, phthalic anhydride and isophoronediiisocyanate

SECTION 4: First aid measures

· 4.1 Description of first aid measures

General description: Immediately remove any clothing soiled by the product.

After inhalation: Supply with fresh air. Call a POISON CENTER/doctor, if you feel unwell.

After skin contact: Wash with plenty of soap and water. If skin irritation 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. DO NOT induce vomiting. Call a POISON CENTER/doctor immediately.

· 4.2 Most important symptoms and effects, both acute and delayed: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

· 4.3 Indication of any immediate medical attention and special treatment needed: No further relevant information available.

SECTION 5: Fire-fighting measures

· 5.1 Extinguishing media

· Suitable extinguishing agents: CO₂ powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· 5.2 Special hazards arising from the substance or mixture: No further relevant information available.

· 5.3 Advice for firefighters

Protective equipment: Wear fully protective suit and self-contained respiratory protective device.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures:

Collect spillage timely if safe to do it; Ensure adequate ventilation; Use respiratory protective device against the effects of mist/vapours/spray; Keep away from ignition source; Avoid contact with skin and eyes.

· 6.2 Environmental precautions:

Do not allow product to reach sewage system or any water source; Inform respective authorities in case of seepage into water course or sewage system; Do not allow enter sewers/ surface or ground water.

· 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 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; Ensure good ventilation/exhaustion at the workplace; Keep away from heat source and ignition source; Prevent formation of aerosols; Wear protective gloves/ eye protection/face protection; Use respiratory protective device against the effect of mist/vapours/spray; Avoid contact with skin and eyes.

· 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 dry, cool and a well-ventilated place.

· Information about storage in one common storage facility: Keep out of reach of children; Keep away from flammable substance.

· Further information about storage conditions: Keep container tightly sealed.

· 7.3 Specific end use(s): No further relevant information available.

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: Data not available
- PNECs: Data not available
- 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:
 Keep away from foodstuffs, beverages and feed.
 Take off contaminated clothing and wash it before reuse.
 Wash hands before breaks and at the end of work.
 Avoid contact with the eyes and skin.
 See Section 7 for information about design of technical facilities.
- Personal protective equipment
- Respiration protection: Suitable respiratory protective device recommended.
- Protection of hands:



Protective gloves

Butyl rubber gloves (0.3 mm), Break through time approx. 480 min (EN 374). In practice, due to variable exposure conditions, this information can only be an aid to orientation for the selection of a suitable chemical protection glove. In particular, this information does not substitute suitability tests by the end user. Gloves should be replaced regularly, especially after extended contact with the product. For each work-place a suitable glove type has to be selected.

- Eye protection:



Tightly fitting goggles

- Skin and body protection: On handling of larger quantities: face mask, chemical-resistant boots and apron.
- 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 | Colorless, transparent |
| Odor | Odorless |
| Odor threshold | Data not available |
| pH-value | Data not available |
| Change in condition | |
| Melting point/melting range | Data not available |
| Boiling point and boiling range | Data not available |
| Freezing point | Data not available |
| Flash point: | >65°C |
| Flammability (solid, gas) | Not applicable |
| Decomposition temperature | Data not available |
| Self-ignition | Product is not self-ignition. |
| Danger of explosion | Product does not present an explosion hazard. |

| | |
|---|-----------------------|
| · Explosion limits | |
| Lower: | Data not available |
| Upper: | Data not available |
| · Oxidizing properties | |
| Data not available | |
| · Vapor pressure | |
| Data not available | |
| · Density | |
| Data not available | |
| · Relative density | |
| Data not available | |
| · Vapor density | |
| Data not available | |
| · Evaporation rate | |
| Data not available | |
| · Solubility in/Miscibility with | |
| Water | Not soluble in water. |
| · Partition coefficient (n-octanol/water) | |
| Data not available | |
| · Viscosity | |
| Dynamic | Data not available |
| Kinematic | Data not available |
| · 9.2 Other information | |
| No further relevant information 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 dangerous reactions known.
- 10.4 Conditions to avoid: High temperature and ignition source.
- 10.5 Incompatible materials: Acid, alkali, strong oxidizing agent
- 10.6 Hazardous decomposition products: No further relevant information available.

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 be classified as aquatic Acute mixture.

| | |
|--|------------------------|
| 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 LOEC (21 days) 49.6 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 |

· 12.2 Persistence and degradability:

| | | |
|----------|---------------------------------|--|
| 868-77-9 | 2-hydroxyethyl methacrylate | Readily biodegradable (in water) |
| 947-19-3 | Hydroxycyclohexyl phenyl ketone | Dissociation constant=13.23 at 25 °C Readily biodegradable (in water) |

· 12.3 Bio-accumulative potential:

| | | |
|----------|---------------------------------|--|
| 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 |

· 12.4 Mobility in soil:

| | | |
|----------|---------------------------------|---|
| 947-19-3 | Hydroxycyclohexyl phenyl ketone | Henry's law constant (H)= 0.282 Pa m ³ /mol at 25 °C |
|----------|---------------------------------|---|

· 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 environment.

Do not allow undiluted product or large quantities of it 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. Do not allow product to reach sewage system.

· 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 | Not applicable |
| ·14.3 Transport hazard class (es) ADR, RID, ADN IMDG, IATA Class Label | Not applicable Not applicable |
| ·14.4 Packing group ADR, RID, ADN IMDG, IATA | Not applicable |

| | |
|--|--|
| ·14.5 Environmental hazards Marine pollution | No |
| ·14.6 Special precautions for user · Danger code (Kemler) | Not applicable - |
| ·14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | Not applicable. |
| ·14.8 Transport/Additional information | Not dangerous according to the above specifications. |
| · 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 1 (German Regulation) (self-assessment): Slightly hazardous for water environment.
- Other regulations, limitations and prohibitive regulations
- SVHC Candidate list of REACH Regulation Annex XIV Authorization (17/12/2015): None of the ingredients is listed.
- REACH Regulation Annex XVII Restriction (16/2/2016): None of the ingredients is listed.
- REACH Regulation Annex XIV Authorization List (14/8/2014): 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

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.

Remark:

· 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 Harmonised System of Classification and Labelling of Chemicals

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)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

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

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

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

End of safety data sheet