# SAFETY DATA SHEET

In accordance with 1907/2006 annex II and 1272/2008
(All references to EU regulations and directives are abbreviated into only the numeric term)
Revision date 2022-01-04
Replaces SDS issued 2021-05-14
Version number 3.0

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

### 1.1. Product identifier

| | |
|---|---|
| Trade name | Gel Polish Base/Top |
| Article number | 4025999 |

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

| | |
|---|---|
| Identified uses | Nail technology |

### 1.3. Details of the supplier of the safety data sheet

| | |
|---|---|
| Company | Lilly Nails AB<br>Stationsvägen 1 F<br>435 37 Mölnlycke<br>Sweden |
| Telephone | 031-298829 |
| E-mail | order@lillynails.se |

### 1.4. Emergency telephone number

Phone number for emergencies: 999 or 112. The numbers are available 24/7.

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Skin Irrit. 2, H315
Skin. Sens. 1, H317
Eye Irrit. 2, H319
Repr. 2, H361f
*(See section 16)*

### 2.2. Label elements

Hazard pictogram

| | |
|---|---|
| Signal word | Warning |
| Hazard statements | |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H319 | Causes serious eye irritation |
| H361f | Suspected of damaging fertility |
| Precautionary statements | |
| P201 | Obtain special instructions before use |
| P261 | Avoid breathing vapours |
| P280 | Wear protective gloves, protective clothing and eye or face protection |
| P308+P313 | IF exposed or concerned: Get medical advice/attention |
| P501 | Dispose of contents and container to authorised waste disposal facility |

**Supplemental hazard information**

Contains: DI-HEMA TRIMETHYLHEXYL DICARBAMATE, 2-HYDROXYMETHYL METHACRYLATE, DIPHENYL(2,4,6-TRIMETHYLBENZOYL)PHOSPHINE OXIDE

**2.3. Other hazards**

This product does not contain any substances that are assessed to be a PBT or a vPvB

# SECTION 3: Composition/information on ingredients

**3.2. Mixtures**

Note that the table shows known hazards of the ingredients in pure form. These hazards are reduced or eliminated when mixed or diluted, see Section 16d.

| Constituent | Classification | Concentration |
|---|---|---|
| **DI-HEMA TRIMETHYLHEXYL DICARBAMATE** | | |
| CAS No: 72869-86-4<br>EC No: 276-957-5 | Skin Irrit. 2, Eye Irrit. 2, Skin. Sens. 1A; H315, H319, H317 | 50 - 75 % |
| **2-HYDROXYMETHYL METHACRYLATE** | | |
| CAS No: 868-77-9<br>EC No: 212-782-2<br>Index No: 607-124-00-X | Skin Irrit. 2, Eye Irrit. 2, Skin. Sens. 1; H315, H319, H317 | 10 - 25 % |
| **DIPHENYL(2,4,6-TRIMETHYLBENZOYL)PHOSPHINE OXIDE** | | |
| CAS No: 75980-60-8<br>EC No: 278-335-8<br>Index No: 015-203-00-X | Repr. 2; H361f | 1 - 5 % |

Explanations to the classification and labelling of the ingredients are given in Section 16e. Official abbreviations are printed in normal font. Text in italics are specifications and/or complements used in the calculation of the classification of this mixture, see Section 16b.

# SECTION 4: First aid measures

**4.1. Description of first aid measures**

**Generally**

If exposed or concerned: Get medical advice/attention.

**Upon breathing in**

Please contact the doctor.

Move casualty to fresh air and rinse nose, mouth and throat with water.

It could be hazardous for the person administering artificial ventilation.

If breathing difficulties arise, trained personnel should administer oxygen to the injured person, and the doctor should be contacted immediately.

**Upon eye contact**

Remove contact lenses immediately if possible.

Rinse the eye for several minutes with lukewarm water. If irritation persists call a doctor/ophthalmologist.

**Upon skin contact**

Remove contaminated clothes.

Clean with soap and abundant water. Please contact a doctor.

Wash contaminated clothing before reuse.

**Upon ingestion**

Rinse mouth out thoroughly first with water, then SPIT OUT the rinse water. Drink at least half a litre of water and seek medical advice. DO NOT INDUCE VOMITING.

**4.2. Most important symptoms and effects, both acute and delayed**

**Generally**

Suspected of damaging fertility.

**Upon eye contact**

Irritation.

Lacrymation.

**Upon skin contact**

Irritation.

Allergic reactions.

### 4.3. Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

Upon contact with a doctor, make sure to have the label or this safety data sheet with you.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Recommended extinguishing agents**

Extinguish with materials intended for the surrounding fire.

**Unsuitable extinguishing agents**

Among common extinguishing agents there are none that are overtly unsuitable.

### 5.2. Special hazards arising from the substance or mixture

In case of fire, corrosive and toxic gases (such as carbon oxides and phosphorous oxides) may form.

In case of fire, high pressure may build up causing the packaging to explode.

Note that the extinguishing water may contain toxic substances or other hazardous substances.

Avoid that water used for extinguishing fire reaches drains. Water used for extinguishing fire should be handled according to current regulations.

### 5.3. Advice for firefighters

Protective measures should be taken regarding other material at the site of the fire.

In case of fire use proper breathing apparatus.

When extinguishing a fire, use over-all coverage clothing which protects against toxic substances.

Contain and collect extinguishing liquid.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

In case of spillage in protected water, call the emergency services immediately, tel. 112 (in Europe).

Avoid inhalation and exposure to skin and eyes.

Keep unauthorized and unprotected people at a safe distance.

Use recommended safety equipment, see section 8.

Ensure good ventilation.

Chemical protection suits should be worn for all sanitizing work.

### 6.2. Environmental precautions

Avoid release to drains, soil or watercourses.

Dam up the spillage to prevent it reaching street sewers or flowing into the ground.

Please contact involved authorities if unintended release occurs.

### 6.3. Methods and material for containment and cleaning up

Stop leak if safe to do so.

Absorb the liquid with an inert absorbent, vermiculite, for example. Collect the material for disposal at a waste disposal facility.

### 6.4. Reference to other sections

See section 8 and 13 for personal protection equipment and disposal considerations.

# SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Store this product separately from food items and keep it out of the reach of children and pets.
Do not eat, drink or smoke in premises where this product is handled.
Do not inhale the product and avoid exposure to skin, eyes and clothing.
Work in order to avoid spillage. If spillage does occur, address it immediately in accordance with the directions specified in Section 6 of this safety data sheet.
Take the necessary preventive and protective measures for safe handling.
Wash your hands after using the product.
Remove contaminated clothing.
Wash contaminated clothing before reuse.
Take off work clothes and protective gear before meals.
Use recommended safety equipment, see section 8.
Keep away from incompatible products.

### 7.2. Conditions for safe storage, including any incompatibilities

Take the necessary preventive and protective measures for safe storage.
Keep out of reach for children.
Store separately from food and animal fodder, incl. utensils or surfaces which have been in contact with these things.
Store tightly, in original packaging.
Always use sealed and visibly labeled packages.
Store in a well-ventilated space.
Keep upright.
Store in dry and cool area.
Keep away from heat and sunlight.
Store at maximum 38 °C.

### 7.3. Specific end use(s)

See identified uses in Section 1.2.

# SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

### 8.1.1. National limit values

All ingredients (cf. Section 3) lack occupational exposure limit values.

**DNEL**

No data available.

**PNEC**

No data available.

### 8.2. Exposure controls

To prevent occupational risks the health hazards for this product or any of the ingredients should be taken into account (see sections 2, 3 and 11), according to EU Directive 89/391 and 98/24 and national jurisdiction for occupational risks.
Wash hands thoroughly after handling and before food intake or smoking.
Remove contaminated clothing, footwear, watches, etc. and clean thoroughly before re-using them.
Select working methods to minimise skin contact.

### 8.2.1. Appropriate engineering controls

Handle in premises with good ventilation.
Emergency showers and eye-rinsing facilities must be available at the workplace.

**Eye/face protection**

Use protective glasses with tight seals according to standard EN166.

**Skin protection**

Use protective gloves fulfilling the standard EN374 if there is a risk of direct contact.
Use suitable protective clothing.
During continuous contact use gloves with a minimum breakthrough time of at least 240 minutes, preferably over 480 minutes.
The most suitable protective glove should be chosen in consultation with the glove supplier, taking into account the risk assessment for the specific task and the properties of the chemicals involved. Note that the breakthrough time of the material is affected by the duration of the exposure, temperature conditions, abrasion, etcetera.

**Respiratory protection**

Use appropriate respiratory protective equipment in case of insufficient ventilation.

The most appropriate respiratory protective equipment should be decided in consultation with the appointed safety representative, taking into account the risk assessment for the specific task.

**8.2.3. Environmental exposure controls**

Work with the product should take place in such a way that the product does not get into drains, waterways, soil and air.

# SECTION 9: Physical and chemical properties

**9.1. Information on basic physical and chemical properties**

| | |
|---|---|
| (a) Physical state | liquid<br>Form: liquid |
| (b) Colour | violet |
| (c) Odour | Faint smell of acrylic |
| (d) Melting point/freezing point | Not indicated |
| (e) Boiling point or initial boiling point and boiling range | Not indicated |
| (f) Flammability | Not indicated |
| (g) Lower and upper explosion limit | Not indicated |
| (h) Flash point | >100 °C closed cup |
| (i) Auto-ignition temperature | Not indicated |
| (j) Decomposition temperature | Not indicated |
| (k) pH | Not indicated |
| (l) Kinematic viscosity | Not indicated |
| (m) Solubility | Not indicated |
| (n) Partition coefficient n-octanol/water (log value) | Not indicated |
| (o) Vapour pressure | Not indicated |
| (p) Density and/or relative density | 1.12 |
| (q) Relative vapour density | Not indicated |
| (r) Particle characteristics | Not indicated |

**9.2. Other information**

**9.2.1. Information with regard to physical hazard classes**

Not indicated

**9.2.2. Other safety characteristics**

Not indicated

# SECTION 10: Stability and reactivity

**10.1. Reactivity**

The product contains no substances which can lead to hazardous reactions at normal use.

**10.2. Chemical stability**

The product is stable at normal storage and handling conditions.

**10.3. Possibility of hazardous reactions**

Danger of bursting of closed systems to vigorous exothermic polymerization. Avoid uncontrolled polymerization.

**10.4. Conditions to avoid**

Protect from heat and direct sunlight.

Avoid UV-radiation.

**10.5. Incompatible materials**

None known.

**10.6. Hazardous decomposition products**

None under normal conditions.

## SECTION 11: Toxicological information

**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Information on possible health hazards are based on experience and / or toxicological properties of several components in the product.

**Acute toxicity**

The product is not classified as acutely toxic.

**2-HYDROXYMETHYL METHACRYLATE**

LD50 rabbit 24h: > 3000 mg/kg Dermally
LD50 rat 24h: 5050 mg/kg Orally

**Skin corrosion/irritation**

May cause skin irrition.

**Serious eye damage/irritation**

Eye contact may cause burning pain or irritation.

**Respiratory or skin sensitisation**

May cause sensitisation by skin contact.

**Germ cell mutagenicity**

The criteria for classification cannot be considered fulfilled based on available data.

**Carcinogenicity**

The criteria for classification cannot be considered fulfilled based on available data.

**Reproductive toxicity**

Suspected reproductive toxic substance.
The product is suspected of damaging fertility.

**STOT-single exposure**

The product is not classified for specific organ toxicity after single exposure.

**STOT-repeated exposure**

The product is not classified for specific organ toxicity after repeated exposure.

**Aspiration hazard**

The product is not classified as being toxic for aspiration.

**11.2. Information on other hazards**

**11.2.1. Endocrine disrupting properties**

Not indicated.

**11.2.2. Other information**

Not indicated.

## SECTION 12: Ecological information

**12.1. Toxicity**

The product is not to be labelled as a environmental hazard. However, it is not inconceivable that large emissions, or repeated small emissions, can have a harmful effect on the environment.
Prevent release on land, in water and drains.

**2-HYDROXYMETHYL METHACRYLATE**

LC50 fathead minnow (Pimephales promelas) 96h: 227 mg/l

**12.2. Persistence and degradability**

There is no information regarding persistence or degradability.

**12.3. Bioaccumulative potential**

This product or its constituents are not expected to accumulate in nature.

**12.4. Mobility in soil**

Information about mobility in nature is not available.

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

This product does not contain any substances that are assessed to be a PBT or a vPvB.

**12.6. Endocrine disrupting properties**

Not indicated.

**12.7. Other adverse effects**

No known effects or hazards.

## SECTION 13: Disposal considerations

**13.1. Waste treatment methods**
**Waste handling of the product**

Discarded products must be disposed of as hazardous waste in accordance with regulations.
Not completely emptied packaging can contain remnants of dangerous substances and should therefore be handled as hazardous waste according to the above. Completely emptied packaging can be recycled.
Avoid discharge into sewers.
Observe local regulations.
See directive 2008/98/EC on waste. Observe national or regional provisions on waste management.

## SECTION 14: Transport information

Where not otherwise stated the information applies to all of the UN Model Regulations, i.e. ADR (road), RID (railway), ADN (inland waterways), IMDG (sea), and ICAO (IATA) (air).

**14.1. UN number or ID number**

Not classified as dangerous goods

**14.2. UN proper shipping name**

Not applicable

**14.3. Transport hazard class(es)**

Not applicable

**14.4. Packing group**

Not applicable

**14.5. Environmental hazards**

Not applicable

**14.6. Special precautions for user**

Not applicable

**14.7. Maritime transport in bulk according to IMO instruments**

Not applicable

**14.8 Other transport information**

Not applicable

## SECTION 15: Regulatory information

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

Not indicated.

**15.2. Chemical safety assessment**

Assessment and chemical safety report in accordance with 1907/2006 Annex I has not yet been performed.

## SECTION 16: Other information

**16a. Indication of where changes have been made to the previous version of the safety data sheet**
**Revisions of this document**

Earlier versions
2021-05-14 Changes in section(s) 1, 8.

**16b. Legend to abbreviations and acronyms used in the safety data sheet**
**Full texts for Hazard Class and Category Code mentioned in section 3**

| | |
|---|---|
| Skin Irrit. 2 | Skin corrosion/irritation, Hazard Category 2 - Skin Irrit. 2, H315 - Causes skin irritation |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Hazard Category 2 - Eye Irrit. 2, H319 - Causes serious eye irritation |
| Skin. Sens. 1A | Respiratory or skin sensitisation, Sensitisation — Skin, hazard category 1A - Skin. Sens. 1A, H317 - May cause an allergic skin reaction |
| Skin. Sens. 1 | Respiratory or skin sensitisation, Sensitisation — Skin, hazard category 1 - Skin. Sens. 1, H317 - May cause an allergic skin reaction |
| Repr. 2 | Reproductive toxicity, Hazard Category 2 - Repr. 2, H361f - Suspected of damaging fertility |

**Explanations of the abbreviations in Section 14**

ADR European Agreement concerning the International Transport of Dangerous Goods by Road
RID Regulations concerning the International Transport of Dangerous Goods by Rail
IMDG International Maritime Dangerous Goods Code
ICAO International Civil Aviation Organization (ICAO, 999 University Street, Montreal, Quebec H3C 5H7, Canada)
IATA The International Air Transport Association

**16c. Key literature references and sources for data**
**Sources for data**

Primary data for the calculation of the hazards has preferentially been taken from the official European classification list, 1272/2008 Annex I , as updated to 2022-01-04.
Where such data was not available, alternative documentation used to establish the official classification was used, e.g. IUCLID (International Uniform Chemical Information Database). As a second alternative, information was used from reputable international chemical industries, and as a third alternative other available information was used, e.g. material safety data sheets from other suppliers or information from non-profit associations, where reliability of the source was assessed by expert opinion. If, in spite of this, reliable information could not be sourced, the hazards were assessed by expert opinions based on the known hazards of similar substances, and according to the principles in 1907/2006 and 1272/2008.

**Full texts for Regulations mentioned in this Safety Data Sheet**

1907/2006 REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC
1272/2008 REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
2008/98/EC DIRECTIVE 2008/98/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 19 November 2008 on waste and repealing certain Directives

**16d. Methods of evaluating information referred to in 1272/2008 Article 9 which was used for the purpose of classification**

Hazard calculation for this mixture has been performed as a cumulative assessment with the aid of expert assessments in accordance with 1272/2008 Annex I , where all available information which may be significant to establishing the hazards of the mixture was assessed together, and in accordance with 1907/2006 Annex XI .

**16e. List of relevant hazard statements and/or precautionary statements**
**Full texts for hazard statements mentioned in section 3**

H315 Causes skin irritation
H319 Causes serious eye irritation
H317 May cause an allergic skin reaction
H361f Suspected of damaging fertility

**16f. Advice on any training appropriate for workers to ensure protection of human health and the environment**
**Warning for misuse**

This product can cause severe injuries if used improperly. Read and follow carefully the instructions in this safety sheet and other appropriate risk information. At professional use the employer is responsible for the staff being well aware of the risks.

**Other relevant information**

Not indicated

**Editorial information**

This material safety data sheet has been prepared and checked by KemRisk®, KemRisk Sweden AB, Platensgatan 8, SE-582 20 Linköping, Sweden, www.kemrisk.se