

SAFETY DATA SHEET

In accordance with 1907/2006 annex II 2015/830 and 1272/2008
(All references to EU regulations and directives are abbreviated into only the numeric term)
Issued 2019-09-25
Version number 1.0



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

1.1. Product identifier

Trade name Spider Gel White

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
Stationsvägen 1 F
435 37 Mölnlycke
Sweden
Telephone 031-298829
E-mail order@lillynails.se

1.4. Emergency telephone number

Acute cases: Call 112, request poison information.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Skin Irritant (Category 2), H315
May cause an allergic skin reaction (Category 1), H317
Irritates eyes (Category 2), H319

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
Precautionary statements	
P261	Avoid breathing gas, mist, vapours, or spray
P280	Wear protective gloves and eye protection
P333+P313	If skin irritation or rash occurs: Get medical advice/attention
P362+P364	Take off contaminated clothing and wash it before reuse

Supplemental hazard information

Contains: BIS-HEMA POLY(1,4-BUTANEDIOL)-14/IPDI COPOLYMER, PHENYL BIS(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
BIS-HEMA POLY(1,4-BUTANEDIOL)-14/IPDI COPOLYMER		
CAS No: 2134098-86-3	Skin Irrit 2, Eye Irrit 2, Skin Sens 1; H315, H319, H317	87.5 %
(1-HYDROXYCYCLOHEXYL)PHENYLMETHANONE		
CAS No: 947-19-3 EC No: 213-426-9		4 %
PHENYL BIS(2,4,6-TRIMETHYLBENZOYL)-PHOSPHINE OXIDE		
CAS No: 162881-26-7 EC No: 417-540-1 Index No: 015-189-00-5	Skin Sens 1, Aquatic Chronic 4; H317, H413	4 %
DIPHENYL(2,4,6-TRIMETHYLBENZOYL)PHOSPHINE OXIDE		
CAS No: 75980-60-8 EC No: 278-335-8 Index No: 015-203-00-X	Repr 2 <i>f</i> ; H361 <i>f</i>	2.5 %
TITANIUM DIOXIDE		
CAS No: 13463-67-7 EC No: 236-675-5 REACH: 01-2119489379-17		2 %

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

In case of concern, or if symptoms persist, call a doctor/physician.

Upon breathing in

Fresh air and rest. Seek medical assistance if symptoms persist.

Contact a doctor immediately if breathing problems occur.

Upon eye contact

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

Upon skin contact

Remove contaminated clothes.

Never wash skin with organic solvents.

Wash the skin with soap and water.

If symptoms occur, contact a physician.

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

Upon eye contact

Irritation.

Smarting pain.

Upon skin contact

Irritation.

Rash and itching.

Allergic reactions.

Upon ingestion

May cause irritation of mucous membranes, nausea and vomiting.

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

Symptomatic treatment.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Extinguish with powder, carbon dioxide or foam.

5.2. Special hazards arising from the substance or mixture

High temperatures and fire can lead to polymerisation, which may cause the packaging to explode.

Produces fumes containing harmful gases (carbon monoxide and carbon dioxide) when burning, and, in case of incomplete combustion, aldehydes and other toxic, harmful, irritant or environmentally harmful substances.

In case of fire corrosive and poisonous gases may form, e.g. nitrogen oxides and carbon oxides.

5.3. Advice for fire-fighters

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

Cool closed containers that were exposed to fire with water.

In case of fire use a respirator mask.

Wear full protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use recommended safety equipment, see section 8.

Avoid inhalation and exposure to skin and eyes.

Ensure good ventilation.

6.2. Environmental precautions

Avoid release to drains, soil or watercourses.

6.3. Methods and material for containment and cleaning up

Small spills can be wiped up with a cloth or similar. Then flush the spill site with water. Larger spills should first be covered with sand or earth and then be collected. Collected material should be disposed according to Section 13.

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

Do not inhale the product and avoid exposure to skin, eyes and clothing.

Store this product separately from food items and keep it out of the reach of children and pets.

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.

Do not eat, drink or smoke in premises where this product is handled.

Wash your hands after using the product.

Remove contaminated clothing.

Local exhaust ventilation may be necessary.

Wash contaminated clothing before reuse.

Keep away from incompatible products.

The usual precautions for handling chemicals should be observed.

Use recommended safety equipment, see section 8.

The product must only be handled by persons with relevant training.

Persons with chronic respiratory ailments or propensity for allergies should not work with this product.

7.2. Conditions for safe storage, including any incompatibilities

The product should be stored in a manner which prevents hazards to health and the environment. Avoid exposure to humans and animals and do not discharge the product in a sensitive environment.

This product should be stored well out of reach of young children and kept safely apart from products intended for consumption.

Always use sealed and visibly labeled packages.

Keep away from moisture.

Do not store close to incompatible materials (see section 10.5).

7.3. Specific end uses

See identified uses in Section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. National limit values

TITANIUM DIOXIDE

United Kingdom (EH40/2005)

Time-weighted-average exposure limit (TWA) 4 mg/m³ (Respirable dust) / 10 mg/m³ (Total inhalable)

DNEL

TITANIUM DIOXIDE

	Type of exposure	Route of exposure	Value
Worker	Chronic	Inhalation	10 mg/m ³
	Local		
Worker	Chronic	Inhalation	10 mg/m ³
	Systemic		
Consumer	Chronic	Oral	700 mg/kg bw
	Systemic		

PNEC

TITANIUM DIOXIDE

Environmental protection target	PNEC value
Fresh water	0.127 mg/kg
Freshwater sediments	1000 mg/kg
Marine water	1 mg/kg
Marine sediments	100 mg/kg
Soil (agricultural)	100 mg/kg

8.2. Exposure controls

Wash hands thoroughly after handling and before food intake or smoking.

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.

8.2.1. Appropriate engineering controls

Handle in premises which have modern ventilation standards.

Use local exhaust ventilation.

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.

Respiratory protection

Use proper protective breathing equipment in case of insufficient ventilation.

8.2.3. Environmental exposure controls

Work with the product should take place in such a way that the product does not get into soils and waterways.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

a) Appearance	Form: liquid. Colour: white.
b) Odour	weak smell
c) Odour threshold	Not indicated
d) pH	Not indicated
e) Melting point/freezing point	Not indicated
f) Initial boiling point and boiling range	93 °C
g) Flash point	87 °C
h) Evaporation rate	Not indicated
i) Flammability (solid, gas)	Not applicable
j) Upper/lower flammability or explosive limits	Not indicated
k) Vapour pressure	Not indicated
l) Vapour density	Not indicated
m) Relative density	1.10
n) Solubility	Solubility in water: Insoluble
o) Partition coefficient: n-octanol/water	Not applicable
p) Auto-ignition temperature	Not indicated
q) Decomposition temperature	Not indicated
r) Viscosity	Not indicated
s) Explosive properties	Not applicable
t) Oxidising properties	Not applicable

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Risk of exothermic polymerisation upon contact with incompatible materials.

10.2. Chemical stability

Risk of exothermic polymerisation.

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 moisture.

Protect from heat and direct sunlight.

10.5. Incompatible materials

Avoid contact with water, acids, bases, transition metals (and salts of transition metals), reducing agents, organic materials and other contaminants.

Avoid contacts with amines.

Avoid contact with alcohols.

10.6. Hazardous decomposition products

None under normal conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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.

TITANIUM DIOXIDE

LD50 rabbit 24h: > 10000 mg/kg Dermal

LC50 rat 4h: > 6.8 mg/L Inhalation

LD50 rat 24h: > 10000 mg/kg Orally

Skin corrosion/irritation

Irritant to skin.

Serious eye damage/irritation

Irritating to eyes.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity

The product is not classified as mutagen.

Carcinogenicity

The product is not classified as carcinogenic.

Reproductive toxicity

The product is not classified as a reproductive toxicant.

STOT-single exposure

No known hazards for occasional exposure.

STOT-repeated exposure

No known hazards for repeated exposure.

Aspiration hazard

The product is not classified as being toxic for aspiration.

SECTION 12: Ecological information

12.1. Toxicity

The product is not to be labelled as an 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.

(1-HYDROXYCYCLOHEXYL)PHENYLMETHANONE

EC50 Freshwater water flea (*Daphnia magna*) 48 h: 53.9 mg/l

LC50 Zebra fish (*Brachydanio rerio*) 96h: 24 mg/l

ErC50 Algae 72h: 14.4 mg/l

TITANIUM DIOXIDE

LC50 Ide (*Leuciscus idus*) 96h: > 1000 mg/l

LC50 Fish 96h: > 1000 mg/kg

12.2. Persistence and degradability

There is no information regarding persistence or degradability.

12.3. Bioaccumulative potential

There is no information regarding bioaccumulation.

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. 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.

May not be disposed of with household waste.

Observe local regulations.

Avoid discharge into sewers.
See also national waste regulations.

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

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. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

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

This is the first version

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 Irritant (Category 2)
Eye Irrit 2	Irritates eyes (Category 2)
Skin Sens 1	May cause an allergic skin reaction (Category 1)
Aquatic Chronic 4	May cause long-lasting harmful effects to aquatic life (Category Chronic 4)
Repr 2f	Suspected damaging fertility (Category 2 Route unknown)

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 2019-09-25.

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
2015/830	COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
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
EH40/2005	EH40/2005 Workplace exposure limits
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

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
- H413 May cause long lasting harmful effects to aquatic life
- 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 harm if used improperly. The manufacturer, the distributor or the supplier are not responsible for adverse effects if the product is not handled in accordance with the directions for use.

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