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 2018-04-06
Version number 1.0

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

1.1. Product identifier

Trade name	Sculpting Gel

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 Parkgatan 13 411 24 Göteborg 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

May cause an allergic skin reaction (Category 1), H317
Irritates eyes (Category 2), H319
Toxic to aquatic life with long lasting effects (Category Chronic 2), H411

2.2. Label elements

Hazard pictogram

Signal word	Warning
Hazard statements	
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H411	Toxic to aquatic life with long lasting effects
Precautionary statements	
P261	Avoid breathing gases or vapours
P273	Avoid release to the environment
P280	Wear protective gloves, protective clothing and eye or face protection
P333+P313	If skin irritation or rash occurs: Get medical advice/attention
P337+P313	If eye irritation persists: Get medical advice/attention
P501	Dispose of contents and container to authorised waste disposal facility

Supplemental hazard information

Contains: BIS GMA, Urethane dimethacrylate, PROPYLIDYNETRIMETHANOL, ETHOXYLATED, ESTERS WITH ACRYLIC ACID, 2-ETHYLHEXYL ACRYLATE

2.3. Other hazards

Not indicated.

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
PROPYLIDYNETRIMETHYL TRIMETHACRYLATE		
CAS No: 3290-92-4 EC No: 221-950-4	Aquatic Chronic 2; H411	10 - 30 %
BIS GMA		
CAS No: 1565-94-2 EC No: 216-367-7	Acute Tox 4*oral*, Skin Irrit 2, Eye Irrit 2, Skin Sens 1, STOT SE 3*resp*; H302, H315, H319, H317, H335	≥1 - <10 %
Urethane dimethacrylate		
CAS No: 72869-86-4 EC No: 276-957-5	Eye Irrit 2, Skin Sens 1, Aquatic Chronic 3; H319, H317, H412	1 - 10 %
PROPYLIDYNETRIMETHANOL, ETHOXYLATED, ESTERS WITH ACRYLIC ACID		
CAS No: 28961-43-5 EC No: 500-066-5 REACH: 01-2119489900-30	Eye Irrit 2, Skin Sens 1; H319, H317	<1 %
2-ETHYLHEXYL ACRYLATE		
CAS No: 103-11-7 EC No: 203-080-7 Index No: 607-107-00-7	Skin Irrit 2, Skin Sens 1, STOT SE 3*resp*; H315, H317, H335	<1 %

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 occur, call a doctor/physician.

Upon breathing in

Fresh air and rest. If symptoms persist seek medical advice.

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 clothes which have been splattered.

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.

Upon skin contact

May cause an allergic skin reaction.

Prolonged contact may cause skin irritation.

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.

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

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Extinguish with water mist, powder, carbon dioxide or alcoholresistant 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.

Note, risk for discharge of environmentally harmful 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 fire-fighters

Protective measures should be taken regarding other material at the site of the fire.
Contain and collect extinguishing liquid.
In case of fire use a respirator mask.
Wear full protective clothing.
Cool closed containers that were exposed to fire with water.

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.

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.
Always contact the fire department when accidental spillage of this product occurs.

6.3. Methods and material for containment and cleaning up

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.
Avoid spillage, inhalation and contact with eyes and skin.
Do not eat, drink or smoke in premises where this product is handled.
Wash your hands after using the product.
Remove clothes which have been splattered.
Wash contaminated clothing before reuse.
Use recommended safety equipment, see section 8.

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.
Store in dry and cool area.
Store in a ventilated space.

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
HYDROQUINONE

Sweden (AFS 2015:7)

Time-weighted-average exposure limit (TWA) 0.5 mg/m^3
Short term exposure limit (STEL) 1.5 mg/m^3
Note S,V

2,6-BIS(1,1-DIMETHYLETHYL)-4- METHYLPHENOL

United Kingdoms (EH40/2005)

Time-weighted-average exposure limit (TWA) 10 mg/m^3

Explanations of abbreviations are given in Section 16b

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.

8.2.1. Appropriate engineering controls

Handle in premises which have modern ventilation standards.

Use local exhaust ventilation.

Eye-rinsing facilities shall 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.

Respiratory protection

Use proper protective breathing equipment in case of insufficient ventilation.

A breathing mask of the A filter (brown) type, or a IIb (P2) dust filter may be required.

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) Appearance	Form: paste.
b) Odour	Not indicated
c) Odour threshold	Not indicated
d) pH	Not indicated
e) Melting point/freezing point	Not indicated
f) Initial boiling point and boiling range	Not indicated
g) Flash point	Not indicated
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	Not indicated
n) Solubility	Not indicated
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

The product is stable at normal storage and handling conditions.

10.3. Possibility of hazardous reactions

May polymerise.

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

10.4. Conditions to avoid

Protect from heat and direct sunlight.

10.5. Incompatible materials

Avoid contact with oxidizers.

Avoid contact with acids.

10.6. Hazardous decomposition products

When thermal decomposition occurs, the following substances are formed:.

Poisonous gases/fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Not indicated.

Acute toxicity

The product is not classified as acutely toxic, but it does contain low levels of hazardous substances.

PROPYLIDYNETRIMETHYL TRIMETHACRYLATE

LD50 rabbit 24h: > 3000 mg/kg Dermally

LD50 rat 24h: > 5000 mg/kg Orally

Skin corrosion/irritation

Can cause skin irritation after repeated or prolonged contact.

Serious eye damage/irritation

Eye contact may cause burning pain or irritation.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity

The product has a low content of a compound suspected of being mutagenic.

Carcinogenicity

The product contains low quantities of a suspected carcinogenic substance.

Reproductive toxicity

No toxic effects to reproduction have been reported for the substances in this mixture.

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

Prevent release on land, in water and drains.

Toxic to aquatic life with long lasting effects.

PROPYLIDYNETRIMETHYL TRIMETHACRYLATE

LC50 Rainbow trout (Oncorhynchus mykiss) 96h: 2 mg/l

EC50 Freshwater water flea (Daphnia magna) 48 h: > 9.22 mg/l

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

No chemical safety report has been executed.

12.6. Other adverse effects

Data lacking.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste handling of the product

Avoid discharge into sewers.

Discarded products must be disposed of as hazardous waste in accordance with regulations.

The product is hazardous to the environment and the waste thereof should be considered hazardous material (if this is not treated so that this risk be eliminated).

Not completely empty packaging can contain remnants of dangerous substances and should therefore be handled as hazardous waste according to the above. Completely empty packaging can be recycled.

Observe local regulations.
See also national waste regulations.

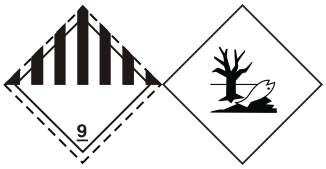
SECTION 14: Transport information

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
3082

14.2. UN proper shipping name
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Urethane dimethacrylate, 2,2'-ETHYLENEDIOXYDIETHYL DIMETHACRYLATE)

14.3. Transport hazard class(es)
Class
9: Other hazardous substances and articles
Classification code (ADR/RID)
M6: Environmentally-hazardous substances: pollutant for marine environments, liquid
Subsidiary risk (IMDG)
No subsidary risk according to IMDG
Labels



14.4. Packing group
Packing group III

14.5. Environmental hazards
MARINE POLLUTANT

14.6. Special precautions for user
Tunnel restrictions
Tunnel category: E

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not applicable

14.8 Other transport information
Transport category: 3; Maximum total quantity per transport unit: 1000 kgs or litres
Stowage category A (IMDG)
Emergency Schedule (EmS) for FIRE (IMDG) F-A
Emergency Schedule (EmS) for SPILLAGE (IMDG) S-F

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

Aquatic Chronic 2	Toxic to aquatic life with long lasting effects (Category Chronic 2)
Acute Tox 4*oral*	Acute toxicity (Category 4 oral)
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)
STOT SE 3*resp*	Specific target organ toxicity - single exposure; May cause respiratory irritation (Category 3 resp)
Aquatic Chronic 3	Harmful to aquatic life with long-lasting effects (Category Chronic 3)

Explanations of the abbreviations in Section 8
Sweden
S The substance is sensitizing
V Short term guide value

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
Tunnel restriction code: E; Passage through category E tunnels is strictly forbidden
Transport category: 3; Maximum total quantity per transport unit: 1000 kgs or litres

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 2018-04-06.
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
AFS 2015:7 Occupational Exposure Limit Values
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
H411 Toxic to aquatic life with long lasting effects
H302 Harmful if swallowed
H315 Causes skin irritation
H319 Causes serious eye irritation
H317 May cause an allergic skin reaction
H335 May cause respiratory irritation
H412 Harmful to aquatic life with long lasting effects

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 its intended use.

Other relevant information

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