

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 2020-11-21
Version number 1.0



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

1.1. Product identifier

Trade name #1232 Ghost 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
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
Harmful to aquatic life with long-lasting effects (Category Chronic 3), H412

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
H412	Harmful to aquatic life with long lasting effects
Precautionary statements	
P261	Avoid breathing gas, mist, vapours, or spray
P273	Avoid release to the environment
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
P501	Dispose of contents and container to authorised waste disposal facility

Supplemental hazard information

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
Contains: UDMA 2,2(4),4-TRIMETHYL HEXAMETHYLENE-
BIS(2-CARBOMOYLOXYETHYL)-DIMETHACRYLATE, METHACRYLIC ACID, MONOESTER WITH

PROPANE-1,2-DIOL, (1-METHYL-1,2-ETHANEDIYL)BIS[OXY(METHYL- 2,1-ETHANEDIYL)] DIACRYLATE,
METHYL BENZOYLFORMATE

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
UDMA 2,2(4),4-TRIMETHYL HEXAMETHYLENE-BIS(2-CARBOMOYLOXYETHYL)-DIMETHACRYLATE		
CAS No: 72869-86-4 EC No: 276-957-5	Skin Sens 1; H317	25 - 50 %
URETHANE ACRYLATE OLIGOMER		
EC No: 944-664-8	Skin Irrit 2, Eye Irrit 2; H315, H319	25 - 50 %
METHACRYLIC ACID, MONOESTER WITH PROPANE-1,2-DIOL		
CAS No: 27813-02-1 EC No: 248-666-3	Eye Irrit 2, Skin Sens 1; H319, H317	5 - 10 %
SILOXANES AND SILICONES, DI-ME, REACTION PRODUCTS WITH SILICA		
CAS No: 67762-90-7 EC No: 614-122-2		1 - 5 %
(1-METHYL-1,2-ETHANEDIYL)BIS[OXY(METHYL- 2,1-ETHANEDIYL)] DIACRYLATE		
CAS No: 42978-66-5 EC No: 256-032-2 Index No: 607-249-00-X	Skin Irrit 2, Eye Irrit 2, Skin Sens 1, STOT SE 3 <i>resp</i> , Aquatic Chronic 2; H315, H319, H317, H335, H411	1 - 5 %
METHYL BENZOYLFORMATE		
CAS No: 15206-55-0 EC No: 239-263-3	Skin Sens 1; H317	1 - 5 %
SILANE, DICHLORODIMETHYL-, REACTION PRODUCTS WITH SILICA		
CAS No: 68611-44-9 EC No: 271-893-4		0.1 - 1 %
TITANIUM DIOXIDE		
CAS No: 13463-67-7 EC No: 236-675-5 Index No: 022-006-002	Carc 2; H351	0.1 - 1 %
4-METHOXYPHENOL		
CAS No: 150-76-5 EC No: 205-769-8 Index No: 604-044-00-7	Acute Tox 4 <i>oral</i> , Eye Irrit 2, Skin Sens 1; H302, H319, H317	<0.1 %

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 persist, call a doctor/physician.

Upon breathing in

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

Contact a doctor immediately if breathing problems occur.

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.
- Wash the skin with soap and water.
- If symptoms occur, contact a physician.
- Never wash skin with organic solvents.

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.
- 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

Recommended extinguishing agents

Extinguish with materials intended for the surrounding fire.

Unsuitable extinguishing agents

May not be extinguished with water dispersed under high pressure.

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.
In case of fire, hazardous and toxic gases (cyanides, carbon oxides and nitrogen oxides) are formed.

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 proper breathing apparatus.
- Wear full protective clothing.

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).
- Use recommended safety equipment, see section 8.
- Avoid inhalation and exposure to skin and eyes.
- Keep unauthorized and unprotected people at a safe distance.
- Ensure good ventilation.

6.2. Environmental precautions

Avoid release to drains, soil or watercourses.

6.3. Methods and material for containment and cleaning up

- Minor spills can be dried up with a damp cloth.
- Large spills: absorb the liquid with an inert absorbent, vermiculite, for example. Collect the material for disposal at a waste disposal facility.
- Residues left behind after cleaning shall be treated as hazardous waste. For further information, contact the local authority sanitation works. Present this safety data sheet.
- Ensure good ventilation after sanitation.

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

- Take the necessary preventive and protective measures for safe handling.
- The usual precautions for handling chemicals should be observed.
- 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.
- Avoid spillage, inhalation and contact with eyes and skin.
- 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.
- Wash your hands after using the product.
- Remove contaminated clothing.
- Wash contaminated clothing before reuse.
- Keep away from incompatible products.
- Use recommended safety equipment, see section 8.
- The product must only be handled by persons with relevant training.
- Implement appropriate engineering controls if necessary, see Section 8.
- 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.
- Take the necessary preventive and protective measures for safe storage.
- Store in a ventilated space.
- Do not store above normal room temperature or in direct sun light.
- 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

METHACRYLIC ACID, MONOESTER WITH PROPANE-1,2-DIOL

	Type of exposure	Route of exposure	Value
Consumer	Chronic Systemic	Inhalation	8.8 mg/m ³
Worker	Chronic Systemic	Dermal	4.2 mg/kg bw
Worker	Chronic Systemic	Inhalation	14.7 mg/m ³
Consumer	Chronic Systemic	Oral	2.5 mg/kg bw
Consumer	Chronic Systemic	Dermal	2.5 mg/kg bw

PNEC

METHACRYLIC ACID, MONOESTER WITH PROPANE-1,2-DIOL

Environmental protection target	PNEC value
Fresh water	0.904 mg/L
Freshwater sediments	6.28 mg/kg dw
Marine water	0.904 mg/L
Marine sediments	6.28 mg/kg dw
Microorganisms in sewage treatment	10 mg/L
Soil (agricultural)	0.727 mg/kg dw

8.2. Exposure controls

The risks posed by the product or its constituents must be considered in the task specific risk assessment, in accordance with current working environment legislation. The risk assessment should be reviewed regularly and updated if necessary.

8.2.1. Appropriate engineering controls

The ventilation in the workplace must ensure an air quality that meets the requirements of the current working environment legislation. Local exhaust ventilation should be used to remove airborne contaminants at the source.

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 suitable protective clothing.

Use protective gloves fulfilling the standard EN374 if there is a risk of direct contact.

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.

Based on the chemical properties of the product, the following glove materials are recommended (EN 374):.

- Butyl rubber.
- Nitrile rubber.
- Viton.

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.

Based on the physical and chemical properties of the product, the following filter type(s) and/or filter combination(s) are recommended:.

- A/P3.

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: pink.
b) Odour	characteristic
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	100 °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	1.1
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

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.

10.5. Incompatible materials

Avoid contact with radical forming substances, peroxides and reactive metals.
Avoid contact with acids, bases and oxidizing agents.

10.6. Hazardous decomposition products

Carbon dioxide (CO₂).

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.

METHACRYLIC ACID, MONOESTER WITH PROPANE-1,2-DIOL

LD50 rabbit 24h: > 5000 mg/kg Dermal

LD50 rat 24h: > 5000 mg/kg Orally

4-METHOXYPHENOL

LD50 rat 24h: 1600 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

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.

SECTION 12: Ecological information

12.1. Toxicity

Prevent release on land, in water and drains.

Harmful to aquatic life with long lasting effects.

METHACRYLIC ACID, MONOESTER WITH PROPANE-1,2-DIOL

LC50 Ide (Leuciscus idus) 96h: 493 mg/L

EC50 Freshwater water flea (Daphnia magna) 48 h: 380 mg/l

EC10 Bacteria 16 h: > 100 mg/L

LC50 Fish 96h: > 100 mg/L

NOEC Freshwater water flea (Daphnia magna) 21d: 24.1 mg/l

EC50 Algae (Pseudokirchneriella subcapitata) 72h: 97.2 mg/l

NOEC Algae (Pseudokirchneriella subcapitata) 72h: 97.2 mg/l

12.2. Persistence and degradability

The product is persistent.

12.3. Bioaccumulative potential

This product or some of its ingredients accumulate in nature.

12.4. Mobility in soil

Absorbed into soil.

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

Data lacking.

SECTION 13: Disposal considerations

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

Avoid discharge into sewers.

May not be disposed of with household waste.

See directive 2008/98/EC on waste. Observe national or regional provisions on waste management.

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.

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 Sens 1	May cause an allergic skin reaction (Category 1)
Skin Irrit 2	Skin Irritant (Category 2)
Eye Irrit 2	Irritates eyes (Category 2)
STOT SE <i>3resp</i>	Specific target organ toxicity - single exposure; May cause respiratory irritation (Category 3 resp)
Aquatic Chronic 2	Toxic to aquatic life with long lasting effects (Category Chronic 2)
Carc 2	Suspected of causing cancer (Category 2)
Acute Tox <i>4oral</i>	Acute toxicity (Category 4 oral)

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 2020-11-21.

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
2008/98	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

H317 May cause an allergic skin reaction

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

H411 Toxic to aquatic life with long lasting effects

H351 Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>

H302 Harmful if swallowed

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

Warning for misuse

Not indicated.

Other relevant information

Not indicated

Editorial information



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