

Safety Data Sheet according to Regulation (EU) No. 1907/2006

European Nail Factory

Revision date : 05.09.2007

Revision no. : 1,01

G4C BONDING GEL CLEAR

00642-0042

1. Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

G4C BONDING GEL CLEAR

Art.-No.:

16-614000

Use of the substance/preparation

Cosmetic

Company/undertaking identification

European Nail Factory

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2. Hazards identification

Classification

Indications of danger : Irritant, Dangerous for the environment

R-phrases :

Irritating to eyes, respiratory system and skin.

May cause sensitization by skin contact.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. Composition/information on ingredients

Chemical characterization (preparation)

Preparation based on polyurethane acrylate oligomer

Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
221-950-4	3290-92-4	aliphatic urethan acrylate oligomer	< 50 %	Xi R36/37/38
256-032-2	42978-66-5	Propylidynetrimethyl trimethacrylate	< 40 %	N R51-53
204-337-6	119-61-9	(1-methyl-1,2-ethanediy)bis[oxy(methyl-2,1-ethanediy)] diacrylate	< 15 %	Xi, N R36/37/38-43-51-53
		Benzophenone	< 2,5 %	N R50-53

Full text of each relevant R phrase can be found in heading 16.

4. First aid measures

General information

Remove contaminated soaked clothing immediately.

Call a physician immediately.

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After inhalation

Move to fresh air in case of accidental inhalation of vapours or decomposition products.
In the event of persistent symptoms receive medical treatment.

After contact with skin

Wash off immediately with soap and plenty of water.
Consult a doctor if skin irritation persists.

After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Seek medical treatment by eye specialist.

After ingestion

Do not induce vomiting.
Rinse out mouth and give plenty of water to drink.
Never give anything by mouth to an unconscious person.
Summon a doctor immediately.

5. Fire-fighting measures

Suitable extinguishing media

Foam, carbon dioxide (CO₂), dry chemical, water-spray.

Extinguishing media which must not be used for safety reasons

Full water jet

Special exposure hazards arriving from substance or preparation itself, combustion products, resulting gases

Fire may produce:

Carbon monoxide (CO), carbon dioxide (CO₂) and nitrogen oxides (NO_x).

Special protective equipment for fire-fighters

In case of fire, wear suitable respiratory equipment with positive air supply.

Protective suit

Additional information

Cool containers at risk with water spray jet.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

6. Accidental release measures

Personal precautions

Use personal protective clothing.

Ensure adequate ventilation.

Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

Methods for cleaning up/taking up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).

Shovel into suitable container for disposal.

7. Handling and storage

Handling

Advice on safe handling

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Keep container tightly closed.
Handle and open container with care.
Avoid contact with skin, eyes and clothing.
Ensure adequate ventilation, especially in confined areas.

Advice on protection against fire and explosion

No special protective measures against fire required.

Storage

Requirements for storage rooms and vessels

Keep container tightly closed in a dry, cool and well-ventilated place.
Keep at temperatures between 5°C and 40°C.
Protect from light. Keep away from heat.

Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

Storageclass (VCI) 10

8. Exposure controls/personal protection

Exposure limit values

Exposure controls

Occupational exposure controls

Ensure adequate ventilation, especially in confined areas.

Protective and hygiene measures

Wash hands before breaks and immediately after handling the product.
Avoid contact with skin, eyes and clothing.
Do not inhale vapours.
When using, do not eat, drink or smoke.
Remove and wash contaminated clothes before re-use.

Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment (gas filter type A).

Hand protection

Protective gloves resistant to chemicals made off butyl, Minimum coat thickness 0,7 mm, Permeation resistance (wear duration) approx. 480 minutes, i.e. protective glove <Butoject 898> made by www.kcl.de. This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.
Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

Eye protection

Tightly fitting goggles
Eye wash bottle with pure water.

Skin protection

Long sleeved clothing.

9. Physical and chemical properties

General information

Physical state	Viscous
Colour	Colourless, clear
Odour	Like acrylate

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Important health, safety and environmental information

Test method

Changes in the physical state

Flash point > 100 °C

Flammability

Lower explosion limits n. d.

Ignition temperature n. d.

Density (at 20 °C) : 1,1 g/cm³

Water solubility : Immiscible
at (20 °C)

10. Stability and reactivity

Conditions to avoid

To avoid thermal decomposition, do not overheat.

Materials to avoid

Oxidizing agents., Peroxides, copper and copper alloys

Strong bases.

Hazardous decomposition products

Carbon monoxide (CO), carbon dioxide (CO₂) and nitrogen oxides (NO_x)

Additional information

No decomposition if stored and applied as directed.

11. Toxicological information

Empirical data on effects on humans

Irritating to eyes, respiratory system and skin.

May cause sensitization by skin contact.

12. Ecological information

Further information

Do not flush into surface water or sanitary sewer system.

Hazard to waters

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

13. Disposal considerations

Advice on disposal

Can be landfilled after chemical and physical treatment, when in compliance with local regulations.

Where possible recycling is preferred to disposal.

Waste disposal number of waste from residues/unused products

070601 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; aqueous washing liquids and mother liquors

Classified as hazardous waste.

Contaminated packaging

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Empty containers should be taken for local recycling, recovery or waste disposal.

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed of like the product.

14. Transport information**Land transport (ADR/RID)**

ADR/RID class	9
Classification code :	M6
Hazard-no.	90
UN number	3082
Hazard label	9
ADR/RID packing group	III
Limited quantity :	LQ 7

Description of the goods

Environmentally hazardous substance, liquid, n.o.s. (Propylidynetrimethyl trimethacrylate, (1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate)

Remarks (land transport)

LQ 7: combination packaging: 5 l / 30 kg (total gross mass); trays: 5 l / 20 kg (total gross mass).

Inland waterways transport**Marine transport**

IMDG code	9
UN number	3082
Marine pollutant	No
EmS	F-A; S-F
Limited quantity :	5 L / 30 kg
IMDG packing group	III
Hazard label	9

Description of the goods

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (propylidynetrimethyl trimethacrylate, (1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)]diacrylate)

Remarks (marine transport)

Limited quantities (section 3.4): combination packaging: 5 l / 30 kg (total gross mass); trays: 5 l / 20 kg (total gross mass).

Air transport

ICAO/IATA-DGR	9
UN/ID number	3082
Hazard label	9
IATA-packing instructions - Passenger	914
IATA-max. quantity - Passenger	450 L
IATA-packing instructions - Cargo	914
IATA-max. quantity - Cargo	450 L
ICAO packing group	III
Limited quantity Passenger	Y914 / 30 kg

Description of the goods

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (propylidynetrimethyl trimethacrylate, (1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)]diacrylate, mixture)

