

Nailchemy[®] MATERIAL SAFETY DATA SHEET

[According to Regulation (EC) No 1907/2006 of the European Parliament]

Section 1: Identification of the preparation and of the company

1.1. Identification of the substance or preparation

Product name:
Product code:

Equinox Collection
NEQC001

1.2. Use of substance/preparation

UV hybrid gel for nails.

1.3. Company/undertaking identification

Manufacturer:

Nailchemy Ltd
40 Market Street, Bridgwater
Somerset UK TA6 3EP
01278 459066
www.nailchemy.co.uk
info@nailchemy.co.uk

Telephone:
Website:
e-mail:

1.4. Emergency telephone

112 (emergency number)

Section 2: Hazards identification

2.1. Classification of the substances or composition

Classification according to WE/1272/2008 (CLP):

Skin Irrit. 2	H315	Causes skin irritation.
Skin Sens. 1	H317	May cause an allergic skin reaction.
Eye Irrit. 2	H319	Causes serious eye irritation.
STOT SE 3	H335	May cause respiratory irritation.
Aquatic Chronic 3	H412	Harmful to aquatic life with long lasting effects.

2.2. Labelling



Signal word: **Warning**

Hazard statements:

Skin Irrit. 2	H315	Causes skin irritation.
Skin Sens. 1	H317	May cause an allergic skin reaction.
Eye Irrit. 2	H319	Causes serious eye irritation.
STOT SE 3	H335	May cause respiratory irritation.
Aquatic Chronic 3	H412	Harmful to aquatic life with long lasting effects.

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Product code: **NEQC001**
Manufacturer: **Nailchemy Ltd.**
Address: **40 Market Street, Bridgwater, Somerset UK TA6 3EP**

Precautionary statements:

P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P233 Keep container tightly closed.
P235 Keep cool.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P403 Store in a well-ventilated place.

2.3. Other hazards

Not determined.

Section 3: Composition/Information of ingredients

3.2. Composition

Chemical identity and concentration range		CAS No	EC No	GHS/CLP Classification
Urethane Acrylate Oligomer	25.0-50.0%	73324-00-2	N/E	N/E
Di-HEMA Trimethylhexyl Dicarbamate	25.0-50.0%	72869-86-4	276-957-5	Skin Irrit. 2 H315 Skin Sens. 1 H317 Eye Irrit. 2 H319 STOT SE 3 H335
HEMA	5.0-20.0%	868-77-9	276-957-5	Skin Irrit. 2 H315 Skin Sens. 1 H317 Eye Irrit. 2 H319
Isobornyl Methacrylate	5.0-20.0%	7534-94-3	231-403-1	Skin Irrit. 2 H315 Eye Irrit. 2 H319 STOT SE 3 H335
Hexamethylene Diacrylate	5.0-20.0%	13048-33-4	235-921-9	Skin Irrit. 2 H315 Skin Sens. 1 H317 Eye Irrit. 2 H319 Aquatic Chronic 3 H412
Mica	1.0-10.0%	12001-26-2	N/E	N/E
CI 77491	1.0-10.0%	1309-37-1	215-168-2	Skin Sens. 1 H317
CI 77499	1.0-10.0%	12227-89-3	235-442-5	Skin Sens. 1 H317
CI 77891	1.0-10.0%	13463-67-7	236-675-5	Skin Sens. 1 H317
Tin Oxide	1.0-10.0%	18282-10-5	242-159-0	N/E
Synthetic Fluorphlogopite	1.0-10.0%	12003-38-2	234-426-5	N/E
CI 74260	1.0-10.0%	1328-53-6	215-524-7	Skin Sens. 1 H317
CI 74160	1.0-10.0%	147-14-8	205-685-1	Skin Sens. 1 H317
CI 12490	1.0-10.0%	6410-41-9	229-107-2	Skin Sens. 1 H317
CI 15850	1.0-10.0%	5858-81-1	227-497-9	Skin Sens. 1 H317
CI 73360	1.0-10.0%	2379-74-0	219-163-6	Skin Sens. 1 H317
CI 60725	1.0-10.0%	81-48-1	201-353-5	Skin Sens. 1 H317
CI 15980	1.0-10.0%	2347-72-0	219-073-7	Skin Sens. 1 H317
CI 15985	1.0-10.0%	2783-94-0	220-491-7	Skin Sens. 1 H317
CI 77266	1.0-10.0%	1333-86-4	215-609-9	Skin Sens. 1 H317
CI 42735	1.0-10.0%	6505-30-2	229-390-2	Skin Sens. 1 H317
Iron Powder	1.0-10.0%	7439-89-6	231-096-4	Flam. Sol. 1 H228
Acrylated Amine Synergist	1.0-5.0%	159034-91-0	500-425-6	Skin Sens. 1A H317 Eye Irrit. 2 H319 Aquatic Chronic 3 H412
Hydroxycyclohexyl Phenyl Ketone	0.1-2.0%	947-19-3	213-426-9	N/E

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Phenyldimethoxyacetophenone	0.1-2.0%	24650-42-8	246-386-6	Aquatic Acute 1 H400 Aquatic Chronic 1 H410
Benzoyl Isopropanol	0.1-2.0%	7473-98-5	231-272-0	Acute Tox. 4 H302
Benzophenone	0.1-2.0%	119-61-9	204-337-6	Skin Irrit. 2 H315 Skin Sens. 1 H317 Eye Irrit. 2 H319
Ethyl Trimethylbenzoyl Phenylphosphinate	0.1-2.0%	84434-11-7	282-810-6	Aquatic Chronic 3 H412
Nitrocellulose	0.1-1.0%	9004-70-0	N/E	Flam. Sol. 1 H228
Silica	0.1-1.0%	68611-44-9	N/E	N/E

Full text of H-phrases is provided in section 16.

Section 4: First aid measures**4.1. Description of first aid measures*****First aid for skin:***

Remove contaminated clothing immediately. Wash contact area with soap and water for 15 minutes. If irritation or allergic reaction occurs, get medical attention.

First aid for eye:

Rinse immediately with plenty of water for at least 15 minutes and get medical attention.

First aid in case of ingestion:

Do not induce vomiting. Rinse the mouth with water. If appreciable quantities are swallowed or if you feel unwell, seek medical attention.

First aid in case of inhalation:

Remove person to fresh air. If breathing has stopped, give artificial respiration and call a doctor. If symptoms persist, seek medical attention.

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

Redness, irritation.

Eye contact:

Tearing, redness, irritation.

Ingestion:

Irritation and redness of the mouth and throat.

Inhalation:

Throat irritation with feeling tightness in the chest. May cause coughing or wheezing.

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

After thorough examination of the casualty the doctor decides what rescue proceedings should be taken.

Section 5: Fire-fighting measures**5.1. Extinguishing media**

Use carbon dioxide, dry chemical, foam. Do not use water stream.

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5.2. Special hazards arising from the substance or mixture

High temperature and fire conditions may cause rapid and uncontrolled polymerization which can result in explosions and the violent rupture of storage vessels or containers. Avoid the use of a stream of water to control fires since frothing can occur. Cool containers with water spray.

5.3. Advice for fire-fighters

Remove all ignition sources. Wear self-contained breathing apparatus and complete personal protective equipment when entering confined areas where potential for exposure to vapours or products of combustion exists. Do not allow run-off from fire fighting to enter drains or water courses.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Spontaneous polymerization can occur. Eliminate ignition sources. Use eye and skin protection. Provide adequate ventilation. Avoid breathing fumes. Evacuate personnel.

US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

6.2. Environmental precautions

Place leaking containers in a well ventilated area. Dike and recover large spills. Do not allow to enter ground water or soil.

6.3. Methods and material for containment and cleaning up

Soak up small spills with inert solids (such as vermiculite, clay) and sweep/shovel into a disposal container. Wash spill area with a strong detergent and water solution; rinse with water, but minimize water use during clean-up. Do not flush to sewer!

6.4. Reference to other sections

Disposal of the product - Section 13;
Personal protection – Section 8

Section 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with eyes and skin. Avoid breathing vapours. Provide adequate ventilation. Keep container closed when not in use. Product extremely light sensitive - avoid exposure to light. Wash contaminated clothing thoroughly before reuse. Wash skin thoroughly with soap and water after handling. Solvents should not be used to clean skin because of increased penetration potential.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from open flames, heat, ignition and light sources. Store in cool, dry and well-ventilated places. Protect from freezing. Store in an original container at temperatures below 100°F/38°C. Use electrical grounding.

7.3. Specific end use(s)

No data.

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Section 8: Exposure controls/personal protection

8.1. Control parameters

DNEL (for employees):

Chemical identity / CAS	Route of exposure	Short exposure	Long exposure
HEMA 868-77-9	oral	-	-
	dermal	0,00625 mg/cm ²	1,3 mg/kg/day
	inhalation	-	4,9 mg/m ³
Hexamethylene Diacrylate 13048-33-4	oral	-	-
	dermal	-	2,77 mg/kg
	inhalation	-	24,48 mg/m ³

DNEL (for consumer):

Chemical identity / CAS	Route of exposure	Short exposure	Long exposure
HEMA 868-77-9	oral	-	0,83 mg/kg/day
	dermal	0,00625 mg/cm ²	0,83 mg/kg/day
	inhalation	-	2,9 mg/m ³
Hexamethylene Diacrylate 13048-33-4	oral	-	2,08 mg/kg/day
	dermal	-	1,66 mg/kg/day
	inhalation	-	7,24 mg/m ³

PNEC:

Chemical identity / CAS	Route of exposure	PNEC value	Route of exposure	PNEC value
HEMA 868-77-9	Water (fresh water)	0,482 mg/l	Sediment (fresh water)	3,79 mg/kg
	Water (sea water)	0,482 mg/l	Soil	0,476 mg/kg
	Sediment (sea water)	3,79 mg/kg	Microorganisms in sewage treatment plants	10 mg/l
Hexamethylene Diacrylate 13048-33-4	Water (fresh water)	0,0015 mg/l	Sediment (fresh water)	0,0137 mg/kg
	Water (sea water)	0,00015 mg/l	Installation for water treatment	2,7 mg/l
	Soil	0,00397 mg/kg		

8.2. Exposure controls

To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132), or European Standard EN166 be conducted before using this product.

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8.2.1. Occupational exposure controls

Hand and body protection:

Wear impervious gloves (recommended material: neoprene, nitrile rubber). Do not wear natural rubber gloves. Wear protective clothing with long sleeves to prevent skin exposure.

Eye protection:

Wear chemical splash safety goggles. Do not wear contact lenses when using the product.

Respiratory tract protection:

In case of insufficient ventilation wear adequate self-breathing apparatus.

8.2.2. Environmental exposure controls

Do not allow to enter ground water, sewage, waste or soil.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:	colour gel
Odour:	characteristic
pH:	no data
Viscosity:	no data
Decomposition Temperature:	no data
Octanol/Water Partitioning Coefficient Log Po/w:	no data
Vapour Pressure:	no data
Vapour Density:	no data
Evaporation Rate:	no data
Ignition:	no data
Solubility in Water (20°C):	insoluble
Flash Point (°F/°C):	no data
Flammable Limit (vol%):	no data
Auto-ignition Temperature:	no data

9.2. Other information

No data.

Section 10: Stability and reactivity

10.1. Reactivity

The product is stable under recommended transport or storage conditions.

10.2. Chemical stability

The product is stable under recommended transport or storage conditions.

10.3. Possibility of hazardous reactions

Uncontrolled polymerization.

10.4. Conditions to avoid

Storage >100°F, exposure to light, loss of dissolved air, loss of polymerization inhibitor, contamination with incompatible materials, heat, sparks, open flame, static discharge.

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10.5. Incompatible materials

Acids, bases, reducers, oxidizing agents.

10.6. Hazardous decomposition products

Carbon oxide, carbon dioxide, nitrogen oxides, hydrogen cyanide (hydrocyanic acid).

Section 11: Toxicological information

11.1. Information on toxicological effects

HEMA:

LD₅₀ oral, rat > 5000 mg/kg

LD₅₀ dermal, rabbit > 2000 mg/kg

Isobornyl Methacrylate:

LD₅₀ oral, rat >2000 mg/kg

LD₅₀ dermal, rabbit >3000 mg/kg

Hexamethylene Diacrylate:

LD₅₀ oral, rat > 5000 mg/kg (OECD 401)

LD₅₀ dermal, rabbit 3650 mg/kg (OECD 402)

LC₅₀ inhalation, rat 0,41 mg/l (7h)

Skin contact: May cause redness, dryness, allergic reactions.

Eye contact: May cause tearing, burning, redness, irritation.

Ingestion: May cause irritation and redness of the mouth and throat.

Inhalation: May cause throat irritation with a feeling of tightness in the chest, coughing, wheezing.

Sensitization N/DA

Mutagenicity N/DA

Sub-chronic Toxicity N/DA

Section 12: Ecological information

12.1. Toxicity

HEMA:

Fish: LC₅₀ 227 mg/l (96 h) (*Pimphales promelas*)

Invertebrates: EC₅₀ 380 mg/l (48 h) (*Daphnia magna*)

Water plants: EC₅₀ 345 mg/l (72 h) (*Selenastrum capricornutum* (Algae))

Isobornyl Methacrylate:

Fish: LC₅₀ 1,79 mg/l (96 h) (*Danio rerio*) (OECD 203)

Invertebrates: E_bC₅₀ > 2,57 mg/l (48 h) (*Daphnia magna*) (OECD 202)

Water plants: E_rC₅₀ 2,66 mg/l (96 h) (*Pseudokirchneriella subcapitata* (Algae)) (OECD 201)

Hexamethylene diacrylate:

Fish: LC₅₀ 4,6-10 mg/l (96 h) (*Leuciscus idus*) (DIN 38412 Part 15)

Invertebrates: EC₅₀ 2,6 mg/l (48 h) (*Daphnia magna*)

Water plants: EC₅₀ 1,5 mg/l (72 h) (*Desmodesmus subspicatus* (Algae)) (DIN 38-412 Part 9)

NOEC 0,5 mg/l (72 h) (*Desmodesmus subspicatus* (Algae))

Microorganisms: EC₅₀ 270 mg/l (30 min) (activated sludge) (OECD 209)

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12.2. Persistence and degradability

No data.

12.3. Bioaccumulative potential

No data.

12.4. Mobility in soil

No data.

12.5. Results of PBT assessment

Not applicable.

12.6. Other adverse effects

Not tested.

Section 13: Disposal considerations

13.1. Waste treatment methods

Do not allow to enter natural environment. Dispose of waste material in accordance with local and national regulations.

Empty containers represent a fire hazard as they may contain residual product and flammable vapours. They may explode during contact with any source of ignition. Do not cut, drill, or weld nearby the container. Dispose of empty containers in an authorized landfill or incinerate in accordance with local regulations.

Section 14: Transport information

14.1. UN number

The product is not classified as dangerous during transport.

14.2. UN proper shipping name

The product is not classified as dangerous during transport.

14.3. Transport hazard class(es)

The product is not classified as dangerous during transport.

14.4. Packing group

The product is not classified as dangerous during transport.

14.5. Environmental hazards

The product is not classified as dangerous during transport.

14.6. Special precautions for user

No data available.

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Section 15: Regulatory information

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

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 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

Council Directive 67/548/EEC of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labeling of dangerous substances Directive 1999/45/EC of the European Parliament and of the Council of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations

Commission Regulation (EU) No 790/2009 of 10 August 2009 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures

Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

International Regulations:

EINECS: European Inventory:

Hazard statements: **H315** Causes skin irritation; **H317** May cause an allergic skin reaction; **H319** Causes serious eye irritation; **H335** May cause respiratory irritation; **H412** Harmful to aquatic life with long lasting effects.
Precautionary statements: **P210** Keep away from heat/sparks/open flames/hot surfaces. — No smoking; **P233** Keep container tightly closed; **P235** Keep cool; **P270** Do not eat, drink or smoke when using this product; **P280** Wear protective gloves/protective clothing/eye protection/face protection; **P403** Store in a well-ventilated place.

Section 16: Other information

Full range of H-Phrases from Section 2 and 3

Flam. Sol. 1	H228	Flammable solid.
Acute Tox. 4	H302	Harmful if swallowed.
Skin Irrit. 2	H315	Causes skin irritation.
Skin Sens. 1	H317	May cause an allergic skin reaction.
Eye Irrit. 2	H319	Causes serious eye irritation.
STOT SE 3	H335	May cause respiratory irritation.
Aquatic Acute 1	H400	Very toxic to aquatic life.
Aquatic Chronic 1	H410	Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2	H411	Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3	H412	Harmful to aquatic life with long lasting effects.

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P-Phrases

- P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
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- P403 Store in a well-ventilated place.

Disclaimer

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Nailchemy® requires all Customers who receive this Security Data Record to study it carefully in order to be informed of any dangers presented by the product.

As far as security is concerned, the Customer should:

- Inform his employees, agents and sub-contractors of information contained in this form.
- Supply one copy of this form to each one of his own Customers for this product.
- Ask for these same Customers to inform in turn their own Employees and Customers.

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