



**Safety Data Sheet according to
Regulation (EC) No. 1907/2006
(REACH)**

Version: 8 Revision date: 25.04.2023

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

1.1. Product identifier

Rubber Base Cover One

**1.2. Relevant identified uses of the substance or mixture and uses advised
against**

Relevant identified uses:

UV-Gel

1.3. Details of the supplier of the safety data sheet

Manufacturer

MPK Nails GmbH
An der Brücke 1
95679 Waldershof

Germany

Telephone: 0049-9231 - 9739630

Supplier (manufacturer/importer/only representative/downstream user/distributor)

MPK Nails GmbH

Telephone: 0049-9231 - 9739630

Information contact

Information telephone: 0049-9231 - 9739630

E-mail (competent person): info@mpknails.de

Website: www.mpknails.de

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; Aquatic Chronic 3, H412

2.2. Label elements

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:



GHS07

Signal Word:	Attention	
	H315	Causes skin irritation
Hazard statements:	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 /fume/gas/vapours/spray.
	P264	Wash hands thoroughly after handling
	P272	Contaminated work clothing should not be allowed out of the workplace.
	P273	Avoid release to the environment
	P280	Wear protective gloves/protective clothing.
	P302+352	IF ON SKIN: Wash with plenty of water and soap.
	P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do.
	P332+313	If skin irritation persists: Get medical advice
	P337+313	If eye irritation persists: Get medical advice
	P362+364	Take off contaminated clothing and wash before reuse
	P501	Dispose of contents to disposal

2.3. Other hazards

No particular dangers to mention.

SECTION 3: Composition / information on ingredients

Composition/information on ingredients

Material:	CAS-No.:	Concentration:	Classification: EC 1272/2008 (CLP):
Urethane acrylate	-	25-50%	H315; H317; H319
Aliphatic difunctionale urethane acrylate	-	10-25%	H317; H319
2-phenoxyethyl Acrylate	48145-04-6	10-25%	H317; H411
Acrylate resin	-	5-10%	-
Methyl benzoylformate	15206-55-0	5-10%	-
Silica Silylate	68909-20-6	5-10%	-
Benzoyl Isopropanol	7473-98-5	1-5%	-
Ethyl Trimethylbenzoyl Phenylphosphinate	84434-11-7	1-5%	-
(2R)-2,5,7,8-Tetramethyl-2-[(4R,8R)-4,8,12-trimethyltridecyl]-3,4-dihydro-2H-chromen-6-ol	10191-41-0	1-5%	-
CI77891	13463-67-7	0,1-1%	-
Acryloyl Morpholine	5117-12-4	<0,1%	H315; H317; H319
PPG-3 Glyceryl Ether Triacrylate	52408-84-1	<0,1%	-
CI45410	84473-86-9	<0,1%	-
CI77499	12227-89-3	<0,1%	-
CI77742	10101-66-3	<0,1%	-
p-Hydroxyanisole	150-76-5	<0,1%	-

(Full text of H- and EUH-phrases: see section 16.)

SECTION 4: First aid measures

4.1. Description of first aid measures

General information: In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Take off contaminated, soaked clothes immediately

Following inhalation: There are no special steps required. If symptoms persist, consult a doctor.

Following skin contact: After contact with skin, wash immediately with plenty of soap and water. In case of skin irritation consult a doctor.

After eye contact: In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes with the eyelid wide open. If symptoms persist, consult a doctor.

After ingestion: Rinse mouth with plenty of water and drink a lot. If symptoms persist, consult a doctor

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Water spray
Water jet
Carbon dioxide (CO₂)
Foam
Dry chemical

Unsuitable extinguishing media: None

5.2. Special hazards arising from the substance or mixture

None

5.3. Advice for firefighters

General information

Extinguishing measures to suit the environment

Special protective equipment for firefighters:

In case of fire: Use self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

There are no special steps required

6.2. Environmental precautions

There are no special steps required

6.3. Methods and material for containment and cleaning up

There are no special steps required

6.4. Reference to other sections

There are no special steps required

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advices on safe handling

Avoid contact with eyes

Precautions against fire and explosion

No special fire protection measures are required

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Protect from extreme temperatures. Avoid direct sunlight

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Remark:

Contains no substances in quantities above the concentration limit for which an occupational exposure limit has been established.

8.2. Exposure controls

Occupational exposure controls

None

General protection and hygiene measures

Do not eat, drink, smoke or sniff at the workplace.
Wash hands before breaks and at the end of work.
Use skin care products after work.
Dirty clothes should be washed before reuse

Personal protection equipment

Only wear suitable, comfortable and clean protective clothing.

Respiratory protection

Respiratory protection not required

Hand protection

Ear suitable protective gloves:
Vinyl, or rubber gloves

Eye/face protection

Wear safety glasses

Body protection

Suitable body protection: overall to avoid skin contact.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid
 Colour: Pink
 Odour: Characteristic
 Odour threshold: None

Safety relevant basis data

	Parameter	Value	Unit	Remark
pH:				
Melting point/freezing point:		n.a.		
Initial boiling point and boiling range:		n.a.		

Flash point:	n.a.
Evaporation rate:	n.a.
Flammability (solid, gas):	n.a.
Explosive properties:	n.a.
Lower flammability or explosive limits:	n.a.
Upper flammability or explosive limits:	n.a.
Vapour pressure:	n.a.
Vapour density:	n.a.
Relative density:	n.a.
Density:	n.a.
Solubility(ies):	n.a.
Water solubility:	n.a.
Fat solubility:	n.a.
Partition coefficient: n- octanol/water:	n.a.
Auto-ignition temperature:	n.a.
Decomposition temperature:	n.a.
Viscosity:	n.a.
Oxidising properties:	n.a.

SECTION 10: Stability and reactivity

10.1 Conditions to avoid

Direct UV / Sunlight, extreme temperatures, open flames, strong oxidizers, strong acids.

10.2. Incompatible materials

Alkalis / Metal / Peroxides

10.3. Hazardous decomposition products

Not known

SECTION 11: Toxicological information

11.1. Information on toxicological effects

There is no data for the preparation.

Skin corrosion/irritation

Not irritating

Serious eye damage/irritation

Not irritating

Respiratory or skin sensitisation

Can cause sensitization to sensitive people

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

No evidence of carcinogenicity on humans.

Germ cell mutagenicity

There are no indications of germ cell mutagenicity on humans

Reproductive toxicity

There are no indications of reproductive toxicity on humans

STOT-single exposure

The following symptoms may occur

Corneal opacity / Cough

STOT-repeated exposure

None

Aspiration hazard

Not irritating

SECTION 12: Ecological information

Avoid release to the environment

No relevant environmental data known

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal/Product:

Dispose according to EC Directives 75/442 / EEC and 91/689 / EEC on waste and on hazardous waste in their current versions. Can be disposed of on a landfill.

Appropriate disposal / Package:

Non-contaminated and emptied packaging can be recycled. Contaminated packaging should be handled like the substance.

SECTION 14: Transport information

14.2. UN proper shipping name

ADR / RID

No dangerous good as defined in the transport regulations

SECTION 15: Regulatory information

15.1. Classification

This product is classified and adapted to EC directives

National regulations

Observe in addition any national regulations!

Water Hazard class: class 1

Only for professional use!
Pay Attention to the application instructions!

15.2. Chemical Safety Assessment

A chemical safety assessment has been carried out for this substance:

No chemical safety assessment is required for this substance

SECTION 16: Other information

Relevant H- and EUH-phrases (Number and full text)

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



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2.2. Label elements

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Hazard pictograms:



GHS07

Signal Word:	Attention	
Hazard statements:	H315 H317 H319 H412	Causes skin irritation May cause an allergic skin reaction Causes serious eye irritation Harmful to aquatic life with long lasting effects
Precautionary statements:	P261 P264 P272 P273 P280 P302+352 P305+351+338 P332+313 P337+313 P362+364 P501	Avoid breathing /fume/gas/vapours/spray. Wash hands thoroughly after handling Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment Wear protective gloves/protective clothing. IF ON SKIN: Wash with plenty of water and soap. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. If skin irritation persists: Get medical advice If eye irritation persists: Get medical advice Take off contaminated clothing and wash before reuse Dispose of contents to disposal

2.3. Other hazards

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Composition/information on ingredients

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CI77499	12227-89-3	<0,1%	-
CI77742	10101-66-3	<0,1%	-
CI45410	84473-86-9	<0,1%	-
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(Full text of H- and EUH-phrases: see section 16.)

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Following skin contact: After contact with skin, wash immediately with plenty of soap and water. In case of skin irritation consult a doctor.

After eye contact: In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes with the eyelid wide open. If symptoms persist, consult a doctor.

After ingestion: Rinse mouth with plenty of water and drink a lot. If symptoms persist, consult a doctor

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Water spray
Water jet
Carbon dioxide (CO₂)
Foam
Dry chemical

Unsuitable extinguishing media: None

5.2. Special hazards arising from the substance or mixture

None

5.3. Advice for firefighters

General information

Extinguishing measures to suit the environment

Special protective equipment for firefighters:

In case of fire: Use self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

There are no special steps required

6.2. Environmental precautions

There are no special steps required

6.3. Methods and material for containment and cleaning up

There are no special steps required

6.4. Reference to other sections

There are no special steps required

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advices on safe handling

Avoid contact with eyes

Precautions against fire and explosion

No special fire protection measures are required

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Protect from extreme temperatures. Avoid direct sunlight

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Remark:

Contains no substances in quantities above the concentration limit for which an occupational exposure limit has been established.

8.2. Exposure controls

Occupational exposure controls

None

General protection and hygiene measures

Do not eat, drink, smoke or sniff at the workplace.
Wash hands before breaks and at the end of work.
Use skin care products after work.
Dirty clothes should be washed before reuse

Personal protection equipment

Only wear suitable, comfortable and clean protective clothing.

Respiratory protection

Respiratory protection not required

Hand protection

Ear suitable protective gloves:
Vinyl, or rubber gloves

Eye/face protection

Wear safety glasses

Body protection

Suitable body protection: overall to avoid skin contact.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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 Odour: Characteristic
 Odour threshold: None

Safety relevant basis data

	Parameter	Value	Unit	Remark
pH:				
Melting point/freezing point:		n.a.		
Initial boiling point and boiling range:		n.a.		

Flash point:	n.a.
Evaporation rate:	n.a.
Flammability (solid, gas):	n.a.
Explosive properties:	n.a.
Lower flammability or explosive limits:	n.a.
Upper flammability or explosive limits:	n.a.
Vapour pressure:	n.a.
Vapour density:	n.a.
Relative density:	n.a.
Density:	n.a.
Solubility(ies):	n.a.
Water solubility:	n.a.
Fat solubility:	n.a.
Partition coefficient: n- octanol/water:	n.a.
Auto-ignition temperature:	n.a.
Decomposition temperature:	n.a.
Viscosity:	n.a.
Oxidising properties:	n.a.

SECTION 10: Stability and reactivity

10.1 Conditions to avoid

Direct UV / Sunlight, extreme temperatures, open flames, strong oxidizers, strong acids.

10.2. Incompatible materials

Alkalis / Metal / Peroxides

10.3. Hazardous decomposition products

Not known

SECTION 11: Toxicological information

11.1. Information on toxicological effects

There is no data for the preparation.

Skin corrosion/irritation

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Serious eye damage/irritation

Not irritating

Respiratory or skin sensitisation

Can cause sensitization to sensitive people

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

No evidence of carcinogenicity on humans.

Germ cell mutagenicity

There are no indications of germ cell mutagenicity on humans

Reproductive toxicity

There are no indications of reproductive toxicity on humans

STOT-single exposure

The following symptoms may occur

Corneal opacity / Cough

STOT-repeated exposure

None

Aspiration hazard

Not irritating

SECTION 12: Ecological information

Avoid release to the environment

No relevant environmental data known

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal/Product:

Dispose according to EC Directives 75/442 / EEC and 91/689 / EEC on waste and on hazardous waste in their current versions. Can be disposed of on a landfill.

Appropriate disposal / Package:

Non-contaminated and emptied packaging can be recycled. Contaminated packaging should be handled like the substance.

SECTION 14: Transport information

14.2. UN proper shipping name

ADR / RID

No dangerous good as defined in the transport regulations

SECTION 15: Regulatory information

15.1. Classification

This product is classified and adapted to EC directives

National regulations

Observe in addition any national regulations!

Water Hazard class: class 1

Only for professional use!
Pay Attention to the application instructions!

15.2. Chemical Safety Assessment

A chemical safety assessment has been carried out for this substance:

No chemical safety assessment is required for this substance

SECTION 16: Other information

Relevant H- and EUH-phrases (Number and full text)

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



SAFETY DATA SHEET

Rubber Base Gel klar

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

1.1 Product identifier

Product name : Rubber Base Gel klar
Product code : 4020423
Product description :
Product type : Liquid.
Other means of identification : Not available.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Not applicable.

1.3 Details of the supplier of the safety data sheet

MPK Nails GmbH
An der Brücke 1
D-95679 Waldershof
+49 9231 - 9739630

e-mail address of person responsible for this SDS : info@mpknails.de

1.4 Emergency telephone number

National advisory body/Poison Center

Telephone number : 1-352-323-3500

Supplier

Telephone number : +49 9231 - 9739630

Hours of operation : Montag - Donnerstag 08:00 - 13:00 Uhr

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Skin Irrit. 2, H315
Eye Irrit. 2, H319
Skin Sens. 1, H317
Repr. 2, H361f
STOT SE 3, H335

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Ingredients of unknown toxicity : 73.5 percent of the mixture consists of component(s) of unknown acute oral toxicity
96.3 percent of the mixture consists of component(s) of unknown acute dermal toxicity
99.8 percent of the mixture consists of component(s) of unknown acute inhalation toxicity

Ingredients of unknown ecotoxicity : Contains 74.6% of components with unknown hazards to the aquatic environment

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

SECTION 2: Hazards identification

2.2 Label elements

Hazard pictograms



Signal word

: Warning

Hazard statements

: Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
May cause respiratory irritation.
Suspected of damaging fertility.

Precautionary statements

Prevention

: Obtain special instructions before use. Wear protective gloves, protective clothing, eye protection, face protection, or hearing protection. Avoid breathing vapor. Wash thoroughly after handling.

Response

: IF exposed or concerned: Get medical advice or attention. IF INHALED: Call a POISON CENTER or doctor if you feel unwell. Take off contaminated clothing and wash it before reuse. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

Storage

: Store in a well-ventilated place. Keep container tightly closed.

Disposal

: Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazardous ingredients

: Polyurethane acrylate oligomer
2-hydroxyethyl methacrylate
Isobornyl methacrylate
TPO
Ethylene glycol dimethacrylate

Supplemental label elements

: Not applicable.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

: Not applicable.

Special packaging requirements

Containers to be fitted with child-resistant fastenings

: Not applicable.

Tactile warning of danger

: Not applicable.

2.3 Other hazards

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Other hazards which do not result in classification

: None known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures : Mixture

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Type
Polyurethane acrylate oligomer	CAS: Exempt	≥25 - ≤50	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1A, H317	-	[1]
2-hydroxyethyl methacrylate	EC: 212-782-2 CAS: 868-77-9 Index: 607-124-00-X	≥10 - ≤25	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317	-	[1]
Isobornyl methacrylate	EC: 231-403-1 CAS: 7534-94-3 Index: 607-134-00-4	≥10 - ≤25	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	STOT SE 3, H335: C ≥ 10%	[1]
TPO	EC: 278-355-8 CAS: 75980-60-8 Index: 015-203-00-X	≤5	Repr. 2, H361f (causing atrophy of the testes)	-	[1]
Ethylene glycol dimethacrylate	EC: 202-617-2 CAS: 97-90-5 Index: 607-114-00-5	≤3	Skin Sens. 1, H317 STOT SE 3, H335 See Section 16 for the full text of the H statements declared above.	STOT SE 3, H335: C ≥ 10%	[1]

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

[1] Substance classified with a health or environmental hazard

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

SECTION 4: First aid measures

- Ingestion** : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed

Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:
pain or irritation
watering
redness
- Inhalation** : Adverse symptoms may include the following:
respiratory tract irritation
coughing
reduced fetal weight
increase in fetal deaths
skeletal malformations
- Skin contact** : Adverse symptoms may include the following:
irritation
redness
reduced fetal weight
increase in fetal deaths
skeletal malformations
- Ingestion** : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

4.3 Indication of any immediate medical attention and special treatment needed

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

5.2 Special hazards arising from the substance or mixture

- Hazards from the substance or mixture** : In a fire or if heated, a pressure increase will occur and the container may burst.
- Hazardous combustion products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
phosphorus oxides

SECTION 5: Firefighting measures

5.3 Advice for firefighters

- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions

- : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

6.4 Reference to other sections

- : See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

SECTION 7: Handling and storage

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Shield UV light sources. Store between the following temperatures: 13 to 29°C (55.4 to 84.2°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

Recommendations : Not available.

Industrial sector specific solutions : Not available.

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

8.1 Control parameters

Occupational exposure limits

No exposure limit value known.

Biological exposure indices

No exposure indices known.

Recommended monitoring procedures : Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

Product/ingredient name	Type	Exposure	Value	Population	Effects
2-hydroxyethyl methacrylate	DNEL	Long term Oral	0.83 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	0.83 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	1.3 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	2.9 mg/m ³	General population	Systemic
	DNEL	Long term Inhalation	4.9 mg/m ³	Workers	Systemic
Isobornyl methacrylate	DNEL	Long term Oral	0.21 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	0.21 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	0.35 mg/kg bw/day	Workers	Systemic

SECTION 8: Exposure controls/personal protection

TPO	DNEL	Long term Inhalation	0.36 mg/m ³	General population	Systemic
	DNEL	Long term Inhalation	1.22 mg/m ³	Workers	Systemic
	DNEL	Long term Oral	83.3 µg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	83.3 µg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	0.145 mg/m ³	General population	Systemic
	DNEL	Long term Dermal	0.233 mg/kg bw/day	Workers	Systemic
Ethylene glycol dimethacrylate	DNEL	Long term Inhalation	0.822 mg/m ³	Workers	Systemic
	DNEL	Long term Oral	0.83 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	0.83 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	1.3 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	1.45 mg/m ³	General population	Systemic
	DNEL	Long term Inhalation	2.45 mg/m ³	Workers	Systemic

PNECs

No PNECs available.

8.2 Exposure controls

Appropriate engineering controls

- : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Individual protection measures

Hygiene measures

- : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

- : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin protection

Hand protection

- : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection

- : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection

- : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

SECTION 8: Exposure controls/personal protection

- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

9.1 Information on basic physical and chemical properties

Appearance

- Physical state** : Liquid. [Gel]
- Color** : Colorless
- Odor** : Characteristic. Acrylate odor
- Odor threshold** : Not available.
- Melting point/freezing point** : Not available.
- Initial boiling point and boiling range** : Not available.
- Flammability** : Not available.
- Lower and upper explosion limit** : Not available.
- Flash point** : Closed cup: >93.3°C (>199.9°F)
- Auto-ignition temperature** : Not applicable.
- Decomposition temperature** : Not available.
- pH** : Not available.
- Viscosity** : Dynamic: 8400 to 9600 mPa·s
- Solubility in water** : Not available.
- Partition coefficient: n-octanol/ water** : Not applicable.
- Vapor pressure** : Not applicable.
- Relative density** : Not available.
- Vapor density** : Not available.
- Explosive properties** : Not available.
- Oxidizing properties** : Not available.
- Particle characteristics**
- Median particle size** : Not applicable.

SECTION 10: Stability and reactivity

- 10.1 Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- 10.2 Chemical stability** : The product is stable.
- 10.3 Possibility of hazardous reactions** : Hazardous polymerization may occur under certain conditions of storage or use. These could cause the product to polymerize exothermically. Unintentional contact with them should be avoided.
- 10.4 Conditions to avoid** : No specific data.

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SECTION 10: Stability and reactivity

10.5 Incompatible materials : No specific data.

10.6 Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
2-hydroxyethyl methacrylate	LD50 Oral	Rat	5050 mg/kg	-
Ethylene glycol dimethacrylate	LD50 Oral	Rat	3300 mg/kg	-

Conclusion/Summary : Not available.

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
2-hydroxyethyl methacrylate	5050	N/A	N/A	N/A	N/A
Ethylene glycol dimethacrylate	3300	N/A	N/A	N/A	N/A

Irritation/Corrosion

Conclusion/Summary : Not available.

Sensitization

Conclusion/Summary : Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
Isobornyl methacrylate	Category 3	-	Respiratory tract irritation
Ethylene glycol dimethacrylate	Category 3	-	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : Causes serious eye irritation.

SECTION 11: Toxicological information

- Inhalation** : May cause respiratory irritation.
- Skin contact** : Causes skin irritation. May cause an allergic skin reaction.
- Ingestion** : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : Adverse symptoms may include the following:
pain or irritation
watering
redness
- Inhalation** : Adverse symptoms may include the following:
respiratory tract irritation
coughing
reduced fetal weight
increase in fetal deaths
skeletal malformations
- Skin contact** : Adverse symptoms may include the following:
irritation
redness
reduced fetal weight
increase in fetal deaths
skeletal malformations
- Ingestion** : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

Long term exposure

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

Potential chronic health effects

Not available.

- Conclusion/Summary** : Not available.
- General** : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
- Carcinogenicity** : No known significant effects or critical hazards.
- Mutagenicity** : No known significant effects or critical hazards.
- Reproductive toxicity** : Suspected of damaging fertility.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Not available.

11.2.2 Other information

Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
2-hydroxyethyl methacrylate	Acute LC50 227000 µg/l Fresh water	Fish - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling)	96 hours

Conclusion/Summary : Not available.

12.2 Persistence and degradability

Conclusion/Summary : Not available.

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
2-hydroxyethyl methacrylate	0.42	-	low
Isobornyl methacrylate	5.09	-	high
TPO	-	53 to 72	low
Ethylene glycol dimethacrylate	1.87	-	low

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Endocrine disrupting properties

Not available.

12.7 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product

Methods of disposal : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous waste : The classification of the product may meet the criteria for a hazardous waste.

Packaging

Methods of disposal : The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

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SECTION 13: Disposal considerations

Special precautions : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	ADN	IMDG	IATA
14.1 UN number or ID number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-	-
14.3 Transport hazard class(es)	-	-	-	-
14.4 Packing group	-	-	-	-
14.5 Environmental hazards	No.	No.	No.	No.

14.6 Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Maritime transport in bulk according to IMO instruments : Not available.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorization

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Not applicable.

Other EU regulations

Industrial emissions (integrated pollution prevention and control) - Air : Not listed

Industrial emissions (integrated pollution prevention and control) - Water : Not listed

SECTION 15: Regulatory information

Ozone depleting substances (1005/2009/EU)

Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

Persistent Organic Pollutants

Not listed.

Seveso Directive

This product is not controlled under the Seveso Directive.

National regulations

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

Australia	: All components are listed or exempted.
Canada	: At least one component is not listed.
China	: All components are listed or exempted.
Eurasian Economic Union	: Russian Federation inventory : Not determined.
Japan	: Japan inventory (CSCL) : All components are listed or exempted. Japan inventory (ISHL) : Not determined.
New Zealand	: Not determined.
Philippines	: All components are listed or exempted.
Republic of Korea	: Not determined.
Taiwan	: Not determined.
Thailand	: Not determined.
Turkey	: Not determined.
United States	: Not determined.
Viet Nam	: Not determined.

15.2 Chemical Safety Assessment : This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: Other information

🔍 Indicates information that has changed from previously issued version.

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SECTION 16: Other information

Abbreviations and acronyms : ATE = Acute Toxicity Estimate
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EUH statement = CLP-specific Hazard statement
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RRN = REACH Registration Number
vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
Skin Sens. 1, H317	Calculation method
Repr. 2, H361f	Calculation method
STOT SE 3, H335	Calculation method

Full text of abbreviated H statements

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H361f	Suspected of damaging fertility.

Full text of classifications [CLP/GHS]

Eye Irrit. 2	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2
Repr. 2	TOXIC TO REPRODUCTION - Category 2
Skin Irrit. 2	SKIN CORROSION/IRRITATION - Category 2
Skin Sens. 1	SKIN SENSITIZATION - Category 1
Skin Sens. 1A	SKIN SENSITIZATION - Category 1A
STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 3

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Notice to reader

*Most MPK Nails GmbH gels are composed of oligomers made primarily from urethane (meth)acrylates.

MPK Nails GmbH is using the designation di-HEMA trimethylhexyl dicarbamate, the official INCI name of urethane dimethacrylate, which is substantially the equivalent of polyurethane acrylate oligomer.

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

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