Material Safety Data Sheet

 Regulation (EC) No. 1907/2006, 1272/2008

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 Page 1/1

MSDS REPORT

GW Investments B.V.					
Olen 26, 5474 Nuenen					
The Netherlands					

SDS Report No:Compilation Date:Trade Name:Product Names:	SDS202107010004-1 01-07-2021 NailPerfect Fiber Gels NailPerfect Fiber Gel NailPerfect Fiber Gel NailPerfect Fiber Gel NailPerfect Fiber Gel NailPerfect Fiber Gel NailPerfect Fiber Gel NailPerfect Fiber Gel	Clear Dark Nude Light Rose Pink Soft Pink Sheer Rose Mellow White
Compasition of the Ingredients :	See section 3 on the SDS	
Service Requested :	Safety Data Sheet (SDS) fo	r the requested sample.
Summary :	accordance with Regulatio	ats of the MSDS are prepared in n EC No 1907/2006, 1272/2008 330 and are provided per atta-

SECTION 1: Identification of the Substance/Mixture and of the Company

1.1 Product Identifier

Trade Name: NailPerfect Fiber Gel (family/product range) Various colors. Same base ingredients, with variation only in color range. Volumes/weight: 7ml / 14 mg / 45 mg variations.

Registration number: Data not available Made in: GERMANY (European Union)

1.2 Relevant identified uses of the substance or mixture and uses advised against on Application of the substance/misture: Nail Art, Manicure, Pedicure, Nailcare. PROFESSIONAL USE ONLY!

1.3 Details of the supplier of the safety data sheet
Manufacturer/Supplier:
GW Beauty B.V.
Olen 26, 5474 Nuenen
The Netherlands
Tel: +31 617648788
Email: info@gwinvestments.nl
Further information obtainable from: GW Investments B.V.

1.4 Emergency telephone numberEU and Russia:112 (Available 24 hours per day)UK:999 (Available 24 hours per day)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture Classification according to regulation (EC) 1272/2008:

Classification under CLP	Skin Irrit. 2: H315 Causes skin irritation; Skin Sens. 1: H317 May cause allergic skin reactions; Eye Irrit. 2: H319 Causes serious eye irritation
Most important adverse effects	Irritating to eyes. Causes serious eye irritation. May cause an allergic reaction. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

2.2 Label Elements

Label elements under CLP	
Hazard statements Signal words	H315: Causes skin irritation.H317: May cause an allergic skin reaction.H319: Causes serious eye irritation.WARNING
Hazard pictograms	GHS07: Exclamation mark
Precautionary statements	 P280: Wear: Protective clothing, Eye protection, protective mask, faceprotection, gloves. P302+352: IF ON SKIN: Wash with plenty of water/soap. P332 + P313: If skin irritation or rash occurs: Get medical advice / attention. P305 + P352 + P338 - IF IN EYES: Rinse cautiously with water for several minutes Rinse. Remove any contact lenses if possible. Continue rinsing. P337 + P313: If eye irritation persists: Get medical advice / attention.
Label elements under CHIP	Irritant.
Hazard symbols	
Risk phrases	R36: Irritating to eyes.
Cont. Risk Phrases	 R66: Repeated exposure may cause skin dryness or cracking. R67: Vapours may cause drowsiness and dizziness.

	S61: Avoid release to the environment. Refer to special instructions / safety data sheets.
Signal words	WARNING

2.3 Other Hazards

Other hazards	Excessive inhalation of vapors may irritate the respiratory system.		
PBT	This substance is not identified as a PBT sub- stance.		
Signal words	WARNING		

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

Hazardous ingredients:

INCI NAME	Di-Hema Trimethylhexyl Dicarbamate			
Mol. Formula	C23H38N2O8			
REACH Number	Not Listed			
Cosmetic Function	NAIL SCULPTING			
EC Number	CAS Number Chemical ID CLP Classification Percent			
276-957-5	72869-86-4	7,7,9(or 7,9,9)-tri- methyl-4,13-di- oxo-3,14-dioxa- -5,12-diazahexa- decane-1,16-diyl bismethacrylate	STOT SE 3: H335; Eye Irrit. 2: H319; Eye Irrit. 2: H315; Skin Sens 1: H317; Skin Sens. 1B; H317; Skin Irrit. 2: H315; Aq Chron 2: H411; Aq Chron 3: H412.	

INCI NAME	Urethane Acrylates				
Mol. Formula	(C15H22N2O2.C5H8C)₃.(C₃H₀O)n(C₃H₀O)r	n(C₃H₅O)n(C₃H₅O₃)x		
REACH Number	Not Listed				
Cosmetic Function	BINDING				
EC Number	CAS Number	CAS Number Chemical ID CLP Classification Percent			
615-966-4	73324-00-2	2-Propenoic acid, 2-hydroxyethyl ester, polymer with 1,1'-methyle- nebis(4-isocyana- tocyclohexane) and .alpha.,.alp- ha.',.alpha."-1,2,3	Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335.		

INCI NAME	SILICA			
Mol. Formula	O₂Si			
REACH Number	Not Listed			
Cosmetic Function	BULKING / ANTI-CRACKING			
EC Number	CAS Number	Chemical ID	CLP Classification	Percent
262-373-8	60676-86-0	Silica, vitreous	Skin Irrit. 2: H315; STOT SE 1: H370; STOT RE 1: H373; STOT SE 3: H335; STOT RE 2: H373; Eye Irrit. 2: H319; Carc. 1A.: H350.	

INCI NAME	METHYL BENZOY	LFORMATE			
Mol. Formula	C₀H₀O₃				
REACH Number	Not Listed				
Cosmetic Function	NAIL CONDITIONI	NG			
EC Number	CAS Number	CAS Number Chemical ID CLP Classification Percent			
239-263-3	15206-55-0	Methyl benzoyl- formate	Skin Sens. 1: H317; Skin Sens. 2: H315;		
			Eye Irrit. 2: H319; STOT SE 3: H335;		
			Acute Tox. 4 H312; Acute Tox. 3: H331.		

INCI NAME	P-HYDROXYANISOLE				
Mol. Formula	C7H8O2				
REACH Number	Index No: 604-044-00-7 EC Regulation Provision: III/95				
Cosmetic Function	REDUCING	REDUCING			
EC Number	CAS Number Chemical ID CLP Classification Percent				
205-769-8	150-76-5	Mequinol	Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Sens. 1:H317; Aq. Chron. 3: H412; Acute Tox. 4: H302; Repr. 2: H361.		

May contain some of the following colorants:

INCI NAME	CI 60725			
Mol. Formula	C14H22O2			
REACH Number	Not Listed			
Cosmetic Function	COLORANT			
EC Number	CAS Number	Chemical ID	CLP Classification	Percent
201-353-5	81-48-1	1-hydroxy-4-(p- -toluidino)anthra- quinone	Skin Sens. 1B: H317; Aq. Chron 4: H413; Skin Sens. 1: H317; Not Class: H413.	

INCI NAME	CI 15985			
Mol. Formula	C ₁₆ H ₁₂ N ₂ O ₇ S _{2.2} Na			
REACH Number	Not Listed			
Cosmetic Function	COLORANT			
EC Number	CAS Number	Chemical ID	CLP Classification	Percent
220-491-7	2783-94-0	Disodium 6-hy- droxy-5-[(4-sulp- honatophenyl) azo]naphthalene- -2-sulphonate	Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335; Aq. Chron 2: H411; Aq. Chron 3: H412.	

INCI NAME	CI 45410			
Mol. Formula	C₂₀H₄Br₄Cl₄O₅.2Na			
REACH Number	Not Listed			
Cosmetic Function	COLORANT			
EC Number	CAS Number	Chemical ID	CLP Classification	Percent
242-355-6	18472-87-2	3,4,5,6-te- trachloro- -2-(1,4,5,8-tetra- bromo-6-hydroxy- -3-oxoxanthen- -9-yl)benzoic acid	Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT RE 2: H373; STOT SE 3: H335; Aq. Acute 1: H400; Aq. Chron 2: H411; Aq. Chron 3: H412.	

INCI NAME	CI 60725			
Mol. Formula	C14H22O2			
REACH Number	Not Listed			
Cosmetic Function	COLORANT			
EC Number	CAS Number	Chemical ID	CLP Classification	Percent
201-353-5	81-48-1	1-hydroxy-4-(p- -toluidino)anthra- quinone	Skin Sens. 1B: H317; Aq. Chron 4: H413; Skin Sens. 1: H317; Not Class: H413.	

INCI NAME	CI 77499			
Mol. Formula	Fe ₃ O ₄ (FeO·Fe ₂ O ₃)			
REACH Number	Not Listed	Not Listed		
Cosmetic Function	COLORANT			
EC Number	CAS Number	Chemical ID	CLP Classification	Percent
235-442-5	12227-89-3	Iron oxide black	Acute Tox. 4: H332; Self-heat. 1: H251; Self-heat. 2: H252.	

INCI NAME	CI 77491			
Mol. Formula	C40H22CI6N6O4			
REACH Number	Not Listed			
Cosmetic Function	COLORANT			
EC Number	CAS Number	Chemical ID	CLP Classification	Percent
617-371-5	82643-43-4	2-Naphtha- lenecarboxamide, N,N'-(2,5-dichloro- -1,4-phenylene) bis[4-[2-(2,- 5-dichlorophenyl) diazenyl]-3-hy- droxy-	No data	

4.2 Composition/information on ingredients

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 or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Skin contact	Wash skin thoroughly with soap and water or use recognised skin cleanser. 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.
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 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.

Ingestion	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the expo- sed person is conscious, give small quantities
	of water to drink. Stop if the exposed person feels sick as vomi- ting 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 if adverse health effects persist or are severe. Never give anything by mouth to an uncons- cious 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. 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

Skin contact	There may be irritation and redness at the site of contact.
Eye Contact	There may be irritation and redness. The eyes may water profusely.
Ingestion	There may be soreness and redness of the mouth and throat.
Inhalation	There may be irritation of the throat with a fee- ling of tightness in the chest. Exposure may cause coughing or wheezing.
Delayed/ Immediate Effects	Immediate effects can be expected after short- -term exposure.

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

Immediate special treatment	Eye bathing equipment should be available on
	the premises.

4.4. Most important symptoms and effects, both acute and delayed

Skin contact	Adverse symptoms may include the following: irritation, redness, dryness, cracking.
Eye Contact	There may be irritation and redness. The eyes may water profusely.
Ingestion	There may be soreness and redness of the mouth and throat.
Inhalation	There may be irritation of the throat with a fee- ling of tightness in the chest. Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo
Delayed/ Immediate Effects	Immediate effects can be expected after short- -term exposure.

4.5. 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.

SECTION 5: FIRE-Fighting MEASURES

5.1 Extinguishing Media

Extinguishing Media	Use dry chemical, CO₂, water spray (fog) or
	foam.
	Do not use: water jet, Carbon dioxide, formati-
	on of phosgene.

5.2. Special hazards arising from the substance or mixture

Exposure hazards	In combustion emits toxic fumes.
Hazards from the substance or mixture	Data not known.

Hazardous thermal decomposition products	Decomposition products may include the follo-	
	wing materials: Carbon oxides, nitrogen oxides and sulfur oxi-	
	des	

5.3 Advice for fire-fighters

Advice 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.		
	Move containers from fire area if this can be		
	done without risk.		
	Use water spray to keep fire-exposed contai-		
	ners cool.		
Special protective equipment for fire-fighters	Fire-fighters should wear appropriate protective		
	equipment and self-contained breathing appa-		
	ratus (SCBA) with a full face-piece operated in		
	positive pressure mode.		
	Clothing for fire-fighters (including helmets, pro-		
	tective boots and gloves) conforming to Euro-		
	pean 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 procedurs

Personal precautions	Refer to section 8 of SDS for personal protecti-		
	on details. If outside do not approach from downwind. If outside keep bystanders upwind		
	and away from danger point. Mark out the		
	contaminated area with signs and prevent ac-		
	cess to unauthorised personnel. Turn		
	leaking containers leak-side up to prevent the		
	escape of liquid.		
For non-emergency personnel	No action shall be taken involving any personal		
0 71	risk or without suitable training.		
	Evacuate surrounding areas.		
	Keep unnecessary and unprotected personnel		
	fromentering.		
	Do not touch or walk through spilt material.		
	Shut off all ignition sources.		

For non-emergency personnel	No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equip- ment.
For emergency responders	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also Section 8 for additional information on hygiene measures.

6.2. Environmental precautions

Environmental precautions	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and se- wers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Do not discharge into waterways such as drains, lakes, rivers, ocean.
	Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Small spill	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof
	equipment.
	Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropria-
	te waste disposal container.
	Dispose of via a licensed waste disposal con- tractor.
Large spill	Stop leak if without risk. Move containers from spill area.
	Use spark-proof tools and explosion-proof equipment.
	Approach the release from upwind.
	Prevent entry into sewers, water courses, base-
	ments or confined areas.

Large spill cont.	Wash spillages into an effluent treatment plant or proceed as follows.
	Contain and collect spillage with noncombusti-
	ble, absorbent material e.g. sand, earth, ver-
	miculite or diatomaceous earth and place in
	container for disposal according to local regula-
	tions.
	Dispose of via a licensed waste disposal con-
	tractor.
	Contaminated absorbent material may pose the
	same hazard as the spilt product.

6.4. Reference to other sections

Reference to other sections	See Section 1 for emergency contact informati-
	on.
	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 handeling

Handling requirements	Avoid direct contact with the substance.
	Ensure there is sufficient ventilation of the area.
	Do not handle in a confined space.
	Avoid the formation or spread of mists in the air.
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. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Use only with adequate ventilation. Wearappropriate respirator when ventilation is inadequate.

Protective measures cont.	 Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by earthing and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous.
	Do not reuse container.
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

Storage conditions: Temperature	Store between the following temperatures: 13 to 27°C (55.4 to 80.6°F).	
Storage conditions: Exposure	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.	
Storage conditions: Dangerous reaction	Eliminate all ignition sources. Separate from oxidizing materials.	
Storage conditions: Packaging and Labeling	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 unlabelled containers.	
Storage conditions: Regulations	Store in accordance with local regulations.	

Seveso II Directive - Reporting thresholds (in tonnes)

		Safety report threshold
P5c: Flammable liquids 2 and 3 not falling under P5a or P5b C7b: Highly flammable (R11)	No Data	No Data

7.3. Specific end use(s)

Specific end use(s)	UV-light Gel for Nail Modeling.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Hazardous ingredients

8.1. Workplace Exposure limits

Exposure Limits No data available.

8.1. DNEL/PNEC Values

DNEL/PNEC No data available.

8.2. Exposure controls

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Engineering measures	Ensure there is sufficient ventilation of the area. The floor of the storage room must be imper- meable to prevent the escape of liquids.
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Respiratory protection	Self-contained breathing apparatus must be available in case of emergency. ALWAYS use protective mask.
Hand protection	ALWAYS use rotective gloves.
	mby and a second s
Eye protection	ALWAYS use safety glasses. Ensure eye bath is to hand.
Protection of face	Use Protective maks
General Theft Protection	Keep the products locked up when not in use to prevent theft. Keep out of reach of children.

EXPLANATORY DESCRIPTION

General 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 re-
	move potentially contaminated clothing.
	Contaminated work clothing should not be allo-
	wed out of the workplace.
	Wash
	contaminated clothing before reusing. Ensure that eyewash stations and safety
	showers are close to the workstation location.
Hand protection	Chemical-resistant, impervious gloves com-
•	plying 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 proper-
	ties.
	It should be noted that the time to breakthrough
	for any glove material may be different for diffe-
	rent 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.
	When there is a risk of ignition from static elec- tricity, wear anti-static protective clothing.
	For the greatest protection from static dischar-
	ges, clothing should include anti-static overalls,
	boots and gloves.
	Refer to European Standard EN 1149 for fu-
	rther information on material and design requi- rements and test methods.

Other skin protection	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks in- volved and should be approved by a specialist before handling this product.
Eye/face protection	Safety eyewear complying with an approved standard should be used when a risk assess- ment indicates this is necessary to avoid ex- posure to liquid splashes, mists or dusts. If contact is possible, the following protection should be worn, unless the assessment indi- cates a higher degree of protection: chemical splash goggles.
Respiratory protection	Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
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 engi- neering modifications to the process equipment will be necessary to reduce emissions to ac- ceptable levels.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

State	Liquid
Colour	Various Colors
Odor	Characteristic odor.
Flash point°C	>150
Upper/lower flammability or explosive limits	Not available.
Flammablity	Flammable.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	Not available.
Solubility(ies)	Not available.
Explosion hazard	Not applicable.
Auto-ignition temperature	Not applicable.
Decomposition temperature	Not available
Viscosity	Viscous liquid

9.2. Other information

	<u>.</u>
Other information	No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1.Reactivity

Reactivity	Stable under recommended transport or stora-
	ge conditions.

10.2. Chemical stability

Chemical stability	Stable under normal conditions. Stable at room
	temperature.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactionsKeep away from oxidizing agents.
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10.4. Conditions to avoid

Conditions to avoid	Direct sunlight and UV light. Effect: Product
	Hardens

10.5. Incompatible materials

Materials to avoid	Strong oxidizing agents.
	Strong acids.

10.6. Hazardous decomposition products

Reactivity	In combustion emits toxic fumes.
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SECTION 11: TOXICOLOGICAL INFORMATION

11.1..Information on toxicological effects

Hazardous ingredients

Di-Hema Trimethylhexyl Dicarbamate

Carcinogenicity	No data (ECHA, 2021)
Acute Toxicity	No data (ECHA, 2021)
Repeated Exposure Toxicity	No data (ECHA, 2021)

Urethane Acrylates

Carcinogenicity	There is no relevant concern on carcinogenicity
	in humans and animals (EU Risk Assessment Report for MMA (2002); (European Chemical Agency)
Acute Toxicity	No Data(European Chemical Agency)
Repeated Exposure Toxicity	No Data (European Chemical Agency)

Silica

Carcinogenicity	no data (echa 2021)
Acute Toxicity	no data (European Chemical Agency)
Repeated Exposure Toxicity	no data (European Chemical Agency)

Methylbenzoyl Formate

Carcinogenicity	no data (echa 2021)
Acute Toxicity	no data (European Chemical Agency)
Repeated Exposure Toxicity	no data (European Chemical Agency)

Carcinogenicity	Carcinogenicity: via oral route (EU Risk Assessment Report for MMA (2002); (European Chemical Agency)
Acute Toxicity	Oral route: PMP is officially classified as harm- ful if swallowed (acute oral toxicity category 4, H302: Harmful if swallowed) according to CLP Regulation (EC) n° 1272/2008 Annex VI table 3. Inhalation: Since PMP particle size is higher than 100 μm, no study by inhalation route is required. Dermal route: Based on the dermal LD50 in rats greater than 2000 mg/kg bw, PMP is not classified for dermal acute toxicity ac- cording to CLP Regulation (EC) n° 1272/2008. (European Chemical Agency)
Repeated Exposure Toxicity	 Oral route: Based on the NOAEL of 150 mg/kg bw/day and LOAEL of 300 mg/kg bw/day identified from the key study, PMP is not classified for repeated toxicity by oral route. Dermal route: No adverse effects were seen after sub-acute exposure neither after long term exposure in carcinogenic studies. Therefore, no classification is needed for dermal repeated toxicity. Inhalation: Since PMP particle size is higher than 100 μm, no study by inhalation route is needed. (European Chemical Agency)

11.2.Symptoms / routes of exposure

Skin contact	There may be irritation and redness at the site of contact. Cracking.
Eye contact	There may be irritation and redness. The eyes may water profusely
Ingestion	There may be soreness or redness of the mouth and throat.
Inhalation	Adverse symptoms may include the following: nausea or vomiting, headache, drowsiness/fati- gue, dizziness/vertigo
Delayed / immediate effects: General	Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.

SECTION 12: ECOLOGICAL INFORMATION

12.1.Toxicity

Full information available through the European Chemical Agency at ECHA.EU

12.2. Persistence and degradability

Persistence and degradability	Biodegradable

12.3. Bioaccumulative potential

Full information available through the European Chemical Agency at ECHA.EU

12.4. Mobility in soil

Soil/water partition coefficient (KOC)	No Data Available
Mobility	No Data Available

12.5. Results of PBT and vPvB assessment

PBT identification	This product is not identified as a PBT substan-
	ce.
vPvB identification	This product is not identified as a vPvB substan-
	ce.

12.6. Other adverse effects

Other adverse effects	No Bioaccumulation.
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SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Disposal operations	The generation of waste should be avoided or minimised 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 nonrecyclable products via a licensed waste disposal contractor. Waste should not bedisposed of untreated to the sewer unless fully compliant with the requi- rements of all authorities with jurisdiction.
Hazardous waste	The classification of the product may meet the criteria for a hazardous waste.
Hazardous waste	The generation of waste should be avoided or minimised wherever possible. Wastepackaging should be recycled. Incineration or landfill should only be conside- red when recycling is not feasible.
Special precautions	This material and its container must be dispo- sed of in a safe way. Care should betaken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a hig- hly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers un- less they have been cleaned thoroughly inter- nally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and se- wers.

SECTION 14: TRANSPORT INFORMATION

	ADR/RID	ADN	IMDG	ΙΑΤΑ
14.1 UN number	None	None	None	None
14.2 UN proper ship- ping name	None	None	None	None
14.3 Transport ha- zard class(es)	None	None	None	None
14.4 Packing group	None	None	None	None
14.5 Environmental hazards	No.	No.	No.	No.
Additional information	-	-	-	-

114.6. Special precautions for user

Transport within user's premises: always trans- port in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an ac-
cident or spillage.

114.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Special precautions	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 ac-
	cident or spillage.

SECTION 15: TRANSPORT INFORMATION

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

Annex XIV - List of substances subject to authorisation

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 substan- ces, mixtures and articles	Not applicable.
Other EU regulations	All components are listed or exempted.
Europe inventory	
Seveso II Directive	Not applicable.
Danger criteria : Category	Not applicable.
15.2 Chemical Safety	Unknown
Assessment	

SECTION 16: OTHER INFORMATION

Other information:

Other information	This safety data sheet is prepared in accordan-
	ce with Regulation (EC) No 453/2010
	* Indicates text in the SDS which has changed
	since the last revision
Phrases used in s.2 and 3	H302: Harmful if swallowed.
	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.
	H400: Very toxic to aquatic life.
	H410: Very toxic to aquatic life with long lasting
	effects.
	H412: Harmful to aquatic life with long lasting
	effects.
	•
Abbreviations and	ATE = Acute Toxicity Estimate
acronyms	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 state-
	ment
	PBT = Persistent, Bioaccumulative and Toxic
	PNEC = Predicted No Effect Concentration
	RRN = REACH Registration Number
	vPvB = Very Persistent and Very Bioaccumula-
	tive

Aquatic Chronic 3, H412 Eye Irrit. 2, H319 Flam. Liq. 2, H225 Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT SE 3, H336	LONG-TERM AQUATIC HAZARD - Category 3 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2 FLAMMABLE LIQUIDS - Category 2 SKIN CORROSION/IRRITATION - Category 2 SKIN SENSITIZATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SIN- GLE EXPOSURE) [Narcotic effects] - Category 3
Phrases used in s.2 and 3	EUH066: Repeated exposure may cause skin dryness or cracking. H315: Causes skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H336: May cause drowsiness or dizziness. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects. H412: Harmful to aquatic life with long lasting effects. R10: Flammable. R11: Highly flammable R36/38: Irritating to eyes and skin.
Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H336 (Narcotic effects) Aquatic Chronic 3, H412	Calculation method Calculation method Calculation method Calculation method
Legal disclaimer	The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above pro-

duct.

The contents and format of this SDS are in accordance with REgulation (EC) No. 1907/2006, 1272/2008 and Regulation (EU) No. 2015/830.

DISCLAIMER OF LIABILITY:

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methos of handling, storage, use or disposal of the product are beyond our control and may be behound our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Abbriviations and acronyms

COMMON ABRIVIATIONS WHICH MAY OR MAY NOT BE USED IN THIS MSDS SHEET.

°C	Degrees in Centigrade
°F	Degrees in Farenheit
ADR	Accord European sur le transport des marchan- dises dangereuse par Route (European Agree- ment concerning the International
ATE	Acute Toxicity Estimate
CAS Number	Chemical Abstract Service - Registry number. Identification number for a specific substance.
CLP	Classification, Labelling and Packaging Regula- tion [Regulation (EC) No. 1272/2008
DMEL	Derived Minimal Effect Level
DNEL	Derived No Effect Level
EC Number	Enzyme Commission Number. Numerical clas- sification for enzymes. Specific number.
EC25	Effect Concentration e.g. EC25 - is at 25%
IMDG	International Maritime Code for Dangerous Goods.
IATA	Internatinal Air Transport Association
GHS	Globally Harmonized System of Classification and Labeling of Chemicals
LC50	The concentration of a material in air which, on the basis of laboratory tests, is expected to kill 50% of a group
LOEC	Lowest concentration where an effect has been observed in chronic ecotoxicity studies

COMMON ABRIVIATIONS WHICH MAY OR MAY NOT BE USED IN THIS MSDS SHEET.

bioaccumulate through the
Sheet
ata available.
Concentration
Level
Number
nulative and Toxic
Concentration
igh Concern
statement
Very Bioaccumulative
√er

Eye Irrit. 2, H319	Calculation method
Skin Sens. 1, H317 STOT SE 3,	Calculation method
H336 (Narcotic effects)	Calculation method
Aquatic Chronic 3, H412	Calculation method

The following page contains explanation of abriviative warnings which may or may not be of concern to this SDS. See section 2 and 3 to determine if these warnings are applicable to this product!

	ind 5 which are applicable to this product.
H220:	Extremely flammable gas
H225:	Highly flammable liquid and vapour
H226:	Flammable liquid and vapour
H241:	Heating may cause a fire or explosion
H242:	Heating may cause a fire
H302:	Harmful if swallowed.
H312:	Harmful in contact with skin or if inhaled
H313:	May be harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315:	Causes skin irritation.
H316:	Causes mild skin irritation
H317:	May cause an allergic skin reaction.
H318:	Causes serious eye damage.
H319:	Causes serious eye irritation.
H330	Fatal if inhaled
H332:	Harmful if inhaled
H334:	May cause allergy or asthma symptoms or bre- athing difficulties if inhaled
H335:	May cause respiratory irritation.
H336:	May cause respiratory irritation
H340:	May cause genetic defects (state route of ex- posure if it is conclusively proven that no other routes of exposure cause the hazard)
H341:	Suspected of causing genetic defects (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)
H350:	May cause cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)
H351:	Suspected of causing cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)
H361f:	Suspected of damaging fertility.
H370:	Causes damage to organs (or state all organs affected, if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)

Acute Tox. 1	ACUTE TOXIDITY - Category 1
	Falal if Inhaled
Acute Tox. 2	ACUTE TOXIDITY - Category 2
	Falal if Inhaled
Acute Tox. 3	ACUTE TOXIDITY - Category 3
	Toxic if inhaled
Acute Tox. 4	ACUTE TOXIDITY - Category 4
	Harmful if inhaled
Aq.Chron. 1	LONG-TERM AQUATIC HAZARD - Category 1
Aq.Chron. 2	LONG-TERM AQUATIC HAZARD - Category 2
Aq.Chron. 3	LONG-TERM AQUATIC HAZARD - Category 3
Carc. 1A	CARCINOGEN - Category 1
	Known to have carcinogen potential for humans
Carc. 1B	CARCINOGEN - Category 1
	Presumed to have carcinogen potential for
	humans
Carc. 2	CARCINOGEN - Category 2
	Limited evidence from studies
Eye Dam. 1	SERIOUS EYE DAMAGE - Category 1
	Irreversable effects on the eye
Eye Irrit. 2	SERIOUS EYE IRRITATION - Category 2
	Irritating to eyes. Fully reversable normally in
	21 days or less.
Eye Irrit. 2B	EYE IRRITATION - Category 2B
	Mildly irritating to eyes. Fully reversable in 7
	days.
Flam. Liq. 1	FLAMMABLE LIQUIDS - Category 1
	Flashpoint <23°C (73.4°F) and initial boiling
	point <35 °C (95 °F)
Flam. Liq. 2	FLAMMABLE LIQUIDS - Category 2
	(Flashpoint <23°C (73.4°F) and initial boiling
Flom Lig 2	point >35°C (95°F))
Flam. Liq. 3	FLAMMABLE LIQUIDS - Category 1 Flashpoint >23°C (73.4°F) and initial boiling
	point <60 $^{\circ}C$ (140 $^{\circ}F$)
Muta. 1A	MUTATION OF CELLS - Category 1
	Known to induce heritable mutations in germ

H371:	May cause damage to organs (or state all or- gans affected, if known)(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)
H372:	Causes damage to organs (state all organs af- fected, if known) through prolonged or repeated exposure (state route of exposure if it is conclu- sively proven that no other routes of exposure cause the hazard)
H373:	May cause damage to organs (state all or- gans affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)
H400:	Very toxic to aquatic life.
H410:	Very toxic to aquatic life with long lasting ef- fects.
H411:	Toxic to aquatic life with long lasting effects
H412:	Harmful to aquatic life with long lasting effects.
H413:	May cause long lasting harmful effects to aqua- tic life
EUH066:	Repeated exposure may cause skin dryness or cracking.
For Professional Use Only	Shoudl be used by professionally trained per- sonell only. Specific training for this product needed.

Muta. 1B	MUTATION OF CELLS - Category 1
Muta. 1B Rep. 2	Regarded as if induce heritable mutations in
	germ cells of humans
	MUTATION OF CELLS - Category 2 Causes concern for the possibility of causing
	heritable mutations in germ cells of humans
	REPRODUCTIVE TOXIDITY - Category 2 Evidence from human studies is limited. May
Deen Conc. 14	spread through breastfeeding
Resp. Sens. 1A	RESPITORY SENSITIZATION - Category 1
	Evidence in Humans that the substance can
	induce respiratory hypersensitivity
Resp. Sens 1B	RESPITORY SENSITIZATION - Category 1
	Suspected that the substance can induce respi-
	ratory hypersensitivity
Skin Corr. 1	SKIN CORROSION - Category 1
	Irreversable effects on the skin
Skin Corr. 1A	SKIN CORROSION - Category 1A
	Irreversable effects on the skin in less than 3
	minutes exposure
Skin Corr. 1B	SKIN CORROSION - Category 1B
	Irreversable effects on the skin in 3 minutes -
	60 minutes exposure
Skin Irrit. 2	SKIN IRRITATION - Category 2
	Causes reversable skin irritation effects. Reco-
	very within 21 days to be expected.
Skin Sens. 1	SKIN SENSITIZATION - Category 1
	Causing significant sensitization in humans
	when on skin
Skin Sens. 1A	SKIN SENSITIZATION - Category 1
	Causing significant sensitization in humans
	when on skin
Skin Sens. 1B	SKIN SENSITIZATION - Category 1
	Low to moderate fequency of causing signifi-
	cant sensitization in humans
Skin Sens. 2	SKIN SENSITIZATION - Category 2
SKIN SENS. Z	

COMMON WARNINGS WHICH MAY OR MAY NOT BE USED IN THIS MSDS SHEET: See section 2 and 3 which are applicable to this product.

oneen occocon z and o which are applicable to this product.	
SPECIFIC TARGET ORGAN TOXICITY (SIN- GLE EXPOSURE) - Category 1	
Potential to produce significant toxidity in hu-	
mans following a single exposure.	
SPECIFIC TARGET ORGAN TOXICITY (SIN-	
GLE EXPOSURE) - Category 2	
Potential to be harmful in human health after a	
single exposure.	
SPECIFIC TARGET ORGAN TOXICITY (SIN-	
GLE EXPOSURE) - Category 3	
Potential to cause narcotic effects (dizziness,	
drowsiness) and respiratory tract irritation (sore	
throat, caugh). These effects are temporary/	
not long term.	
SPECIFIC TARGET ORGAN TOXICITY (RE-	
PEATED EXPOSURE) - Category 2	
Potential to be harmful in human health after a	
repeated exposures.	

End of safety data sheet