kinetics

SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878

Version: 01 **Date of compilation: 24.01.2025**
Revision: No previous version

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

1.1. Product identifier

Product Name, Item Number:	**Kinetics Gel in Bottle** Variants: Kinetics Gel in Bottle Natural Pink #902, Item #: KGIBNP15 Kinetics Gel in Bottle Milky White #906, Item #: KGIBMW15 Kinetics Gel in Bottle Classic Nude #916, Item #: KGIBCN15 Kinetics Gel in Bottle Dark Sand #927, Item #: KGIBDS15 Kinetics Gel in Bottle Light Rose #928, Item #: KGIBLR15 Kinetics Gel in Bottle Light Sand #929, Item #: KGIBLS15 Kinetics Gel in Bottle Clear, Item #: KGIB01 Kinetics Gel in Bottle Linen #938, Item #: KGIB938 Kinetics Gel in Bottle Silk #937, Item #: KGIB937

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

Identified uses:	Cosmetic.
Uses advised against:	Manufacture of food products.

1.3. Details of the supplier of the safety data sheet

Responsible person:	**Kinetics Nail Systems, Ltd** Kurzemes prospekts 3K, Riga, Latvia, LV-1067 Phone: +(371) 6 7295 260 Fax: +(371) 6 7873 525 E-mail: info@kineticsbeauty.com Web page: www.kineticsbeauty.com E-mail of person responsible for Product Safety Data Sheet: info@kineticsbeauty.com

1.4. Emergency telephone number

	EU:112 Emergency telephone for other regions to be filled out by local business

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

According to regulation (EC) No 1272/2008:	**Skin Irrit. 2 (H315) - Skin corrosion/ irritation, Hazard Category 2.** **Skin Sens. 1 (H317) - Sensitisation — Skin, hazard category 1.** **Eye Irrit. 2 (H319) - Serious eye damage/eye irritation, Hazard Category 2.** **Aquatic Chronic 3 (H412) - Long-term (chronic) aquatic hazard, Category 3.**
Important adverse physicochemical, human health and environmental effects:	**Causes skin irritation.** **May cause an allergic skin reaction.** **Causes serious eye irritation.** **Harmful to aquatic life with long lasting effects.**

2.2. Label elements

According to regulation (EC) No 1272/2008:

Warning

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.

Contain: Methacrylic acid, monoester with propane-1,2-diol.

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P264 Wash hands/ affected body parts thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves/ eye protection/ face protection.
P302+P352 IF ON SKIN: Wash with plenty of water/soap.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/ attention.
P314 Get medical advice/attention if you feel unwell.
P501 Dispose of contents/container to in accordance with local/ regional/ national/ international regulation.

2.3. Other hazards

Product does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH (Regulation (EC) No 1907/2006).

Toxicological information/Ecological information: Based on available data the mixture does not contain ingredients considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration of 0.1% or more.

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

SECTION 3: Composition/information on ingredients

3.1. Substances

Not relevant.

3.2. Mixtures

Ingredient name (INCI)	INDEX No.	CAS No.	EINECS/ EC No.	Conc. (%)	Classification Regulation (EC) 1272/2008 (CLP)	Type
Poly(oxy-1,4-butanediyl), alpha-hydro-omega-hydroxy-, polymer with 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane, 2-hydroxyethyl methacrylate-blocked [ALIPHATIC URETHANE METHACRYLATE]	N/A	82339-26-2	817-894-0	35-40	Skin Irrit. 2, H315 Eye Irrit. 2, H319	[1]
Reaction product of 2-hydroxyethyl methacrylate and 2,2-dimethyl-1,3-propanediol and 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and hexanedioic acid [BIS-HEMA POLYNEOPENTYL GLYCOL ADIPATE/IPDI COPOLYMER]	N/A	82339-16-0	810-131-2	30-35	Skin Irrit. 2, H315 Eye Irrit. 2, H319	[1]

Propylidynetrimethyl trimethacrylate [TRIMETHYLOLPROPANE TRIMETHACRYLATE]	N/A	3290-92-4	221-950-4	10-15	Aquatic Chronic 2, H411	[1]
Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate [ISOBORNYL METHACRYLATE]	N/A	7534-94-3	231-403-1	5-10	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Chronic 3, H412	[1]
Methacrylic acid, monoester with propane-1,2-diol [HYDROXYPROPYL METHACRYLATE]	N/A	27813-02-1	248-666-3	5-10	Skin Sens. 1, H317 Eye Irrit. 2, H319	[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 and hence require reporting in this section.
See section 16 for the full text of the R and H phrases declared above.
Occupational exposure limits, if available, are listed in section 8.

[1] Substance classified with a health or environmental hazard
[2] Substance with a workplace exposure limit
[3] PBT-substance
[4] vPvB-substance
[5] SEVESO SUBSTANCE

SECTION 4: First aid measures

4.1. Description of first aid measures	
General advice:	Remove contaminated clothing.
Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms persist. 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. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.
Skin contact:	Wash with plenty of soap and water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. In the event of any complaints or symptoms, avoid further exposure. Get medical attention if symptoms persist.
Eye contact:	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 if symptoms persist.
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 unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.
4.2. Most important symptoms and effects, both acute and delayed	
Eye contact:	Irritating to the eyes. Symptoms might be as follows: Conjunctivitis, lacrimation, redness, pain or irritation, reversible cornea damage and swelling and watering of the eyes.
Inhalation:	Might be harmful if inhaled - may cause nose and throat irritation. Possible symptoms might be: difficulty to breath, nausea, fatigue, cough, irritation, unconsciousness.
Skin contact:	Might cause skins sensitization or irritation. Symptoms might be as follows: Redness, inflammation, rash, urticaria, pain or irritation, blistering and dermatitis.
Ingestion:	No significant effects or critical hazards known.
4.3. Indication of any immediate medical attention and special treatment needed	

Specific treatments:	Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media	
Suitable extinguishing media:	Foam; dry chemical; carbon dioxide.
Unsuitable extinguishing media:	Do not use full power water jet.
5.2. Special hazards arising from the substance or mixture	
	In a fire or if heated, a pressure increase will occur and the container may burst. Decomposition products may include the following materials: carbon dioxide carbon monoxide Other unidentified organic and inorganic substances. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterways, sewer or drain.
5.3. Advice for firefighters	
	If water is used to cool closed containers to prevent pressure build-up, fog nozzles are preferred. Full protective equipment, including self-contained breathing apparatus is needed to protect fire-fighters from exposure to coating's hazardous ingredients and hazardous decomposition products. During emergency conditions, overexposure to decomposition products may cause a health hazard; symptoms may not be immediately apparent. Obtain medical attention.

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 spilt material. Avoid breathing vapour. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. Follow fire-fighting measures. Avoid release to the environment.
For emergency responders:	If specialised clothing is required to deal with the spillage, take note of any information in Section "Exposure controls/personal protection" on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
6.2. Environmental precautions	
	Avoid dispersal of spilt 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). Water polluting material. May be very harmful to the environment if released in large quantities. Collect spillage.
6.3. Methods and material 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 the 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 spilt 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

7.1. Precautions for safe handling	
Protective measures:	Put on appropriate personal protective equipment (see Section "Exposure controls/ personal protection"). 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. Avoid release to the environment. 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.
Advice on general occupational hygiene:	Good industrial hygiene practices should be observed. Provide sufficient air exchange and/or exhaust in work rooms. Wash hands before work breaks and after finishing work. Do not eat, drink or smoke while working. Take off all contaminated clothing immediately. Use of dispensing equipment is recommended to minimise the risk of skin or eye contact. See also Section 8 for additional information on hygiene measures.
7.2. Conditions for safe storage, including any incompatibilities	
Storage:	Keep containers (solvent resistant) closed when not in use. 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. 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. Use appropriate containment to avoid environmental contamination. Empty container may retain product residues (vapour or liquid).
7.3. Specific end use(s)	
Industrial sector specific solutions:	Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters	
Occupational exposure limits:	Limit values are laid down throughout the EU, but each Member State establishes its own national OELs, often going beyond EU legislation. OELs are set by competent national authorities and other relevant institutions. **EU (IOELV):** *Not available.* **United Kingdom (EH40):** *Not available.* **Latvia (AER, reg.325/2011):** *Not available.*

	Germany (TRGS-900): *Not available.*
Recommended monitoring procedures:	If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.
8.2. Exposure controls	
Appropriate engineering controls:	Ensure good ventilation/extraction. Reduce inhalation hazards in minimising the occupational exposure. Comply with the Occupational Exposure Limits.
Individual protection measures:	
Hygiene measures:	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. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.
Respiratory protection	 Ensure adequate ventilation. An approved mask or respirator fitted with an organic vapour cartridge should be worn if the product is used in a poorly ventilated area.
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 or gases. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.
Skin protection:	
Hand protection:	 Chemical-resistant, impervious gloves complying with an approved standard (EN 374) 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. If signs of wear and tear are noticed, then the gloves should be replaced.
Body protection:	 Wear suitable protective clothing. 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.
Environmental exposure controls:	
	According to available technology.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties	
a) Physical state	Liquid (Gel).

b) Colour	Transparent.
c) Odour	Characteristic.
d) Melting point/freezing point	Not available.
e) Initial boiling point and boiling range	Not available.
f) Flammability	Not available.
g) Lower and upper explosion limit	Not available.
h) Flash point	Not available.
i) Auto-ignition temperature	Not available.
j) Decomposition temperature	Not available.
k) pH	Not available.
l) Kinematic viscosity	Not available.
m) Solubility (-ies)	Not available.
n) Partition coefficient n-octanol/water (log value)	Not available.
o) Vapour pressure	Not available.
p) Density and/or relative density	Not available.
q) Relative vapour density	Not available.
r) Particle characteristics	Not available.
9.2. Other information	
Impurity	Not available
Explosive properties	Not available.
Oxidising properties	Not available

SECTION 10: Stability and reactivity

10.1. Reactivity	
	No hazardous reactions if stored and handled as prescribed/indicated.
10.2. Chemical stability	
	Stable under recommended storage conditions.
10.3. Possibility of hazardous reactions	
	None known.
10.4. Conditions to avoid	
	Avoid high temperatures. Un-clean conditions to avoid during storage.
10.5. Incompatible materials	
	None known.
10.6. Hazardous decomposition products	
	Fumes produced when heated to decomposition may include: Toxic carbon monoxide, carbon dioxide.

SECTION 11: Toxicological information

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

Acute toxicity

Data on the product or its components:

Mixture/ Ingredient name	Result	Species	Dose	Exposure
Propylidynetrimethyl trimethacrylate [TRIMETHYLOLPROPANE	LD_{50} Oral	Rat	> 2 000 mg/kg bw	-
	LC_{50} Inhalation	Rat	12.2 mg/L air	4 h

TRIMETHACRYLATE]	LD_{50} Dermal	Rabbit	> 2 000 mg/kg bw	-
Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate [ISOBORNYL METHACRYLATE]	LD_{50} Oral	Rat	3.16 mL/kg bw	-
	LD_{50} Dermal	Rabbit	> 3 000 mg/kg bw	-
Methacrylic acid, monoester with propane-1,2-diol [HYDROXYPROPYL METHACRYLATE]	LD_{50} Oral	Rat	>= 2 000 mg/kg bw	-
	LD_{50} Dermal	Rabbit	> 5 000 mg/kg bw	-
Conclusion/Summary:	**Based on available data, classification criteria not met.**			

Serious eye damage/irritation
Data on the product or its components:

Mixture/ Ingredient name	Effect
Poly(oxy-1,4-butanediyl), alpha-hydro-omega-hydroxy-, polymer with 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane, 2-hydroxyethyl methacrylate-blocked [ALIPHATIC URETHANE METHACRYLATE]	Causes serious eye irritation.
Reaction product of 2-hydroxyethyl methacrylate and 2,2-dimethyl-1,3-propanediol and 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and hexanedioic acid [BIS-HEMA POLYNEOPENTYL GLYCOL ADIPATE/IPDI COPOLYMER]	Category 2B (irritating to eyes) based on GHS criteria.
Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate [ISOBORNYL METHACRYLATE]	Slightly irritating.
Methacrylic acid, monoester with propane-1,2-diol [HYDROXYPROPYL METHACRYLATE]	Category 2B (mildly irritating to eyes) based on GHS criteria. Species: Rabbit. Amount applied (volume): 0.1 ml. Duration of treatment / exposure: Till end of observation period Observation period (in vivo): 24, 48, 72 h, 4, 5, 7 days Guideline: Appraisal of the safety of Chemicals in foods, drugs and cosmetics by staff of the Division of Pharmacology, FDA acc. to Draize.
Conclusion/Summary:	**According to classification method described in CLP regulation, this product is classified as irritating to the eyes (Eye Irrit. 2, H319).**

Skin corrosion/irritation
Data on the product or its components:

Mixture/ Ingredient name	Effect
Poly(oxy-1,4-butanediyl), alpha-hydro-omega-hydroxy-, polymer with 5-isocyanato-1-(isocyanatomethyl)-1,3,3-	Irritating to the skin.

trimethylcyclohexane, 2-hydroxyethyl methacrylate-blocked [ALIPHATIC URETHANE METHACRYLATE]	
Reaction product of 2-hydroxyethyl methacrylate and 2,2-dimethyl-1,3-propanediol and 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and hexanedioic acid [BIS-HEMA POLYNEOPENTYL GLYCOL ADIPATE/IPDI COPOLYMER]	Irritating to the skin.
Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate [ISOBORNYL METHACRYLATE]	Irritating.
Conclusion/Summary:	**According to classification method described in CLP regulation, this product is classified as irritating to the skin (Skin Irrit. 2, H315).**

Respiratory or skin sensitisation
Data on the product or its components:

Mixture/ Ingredient name	Effect
Methacrylic acid, monoester with propane-1,2-diol [HYDROXYPROPYL METHACRYLATE]	Skin sensitizer (May cause an allergic skin reaction).
Conclusion/Summary:	**According to classification method described in CLP regulation, this product is classified as sensitising to the skin (Skin Sens. 1, H317).**

Germ cell mutagenicity
Data on the product or its components:

	No data on adverse effects on humans or animals are available.
Conclusion/Summary:	**Based on available data, classification criteria not met.**

Carcinogenicity
Data on the product or its components:

	No data on adverse effects on humans or animals are available.
Conclusion/Summary:	**Based on available data, classification criteria not met.**

Reproductive toxicity
Data on the product or its components:

	No data on adverse effects on humans or animals are available.
Conclusion/Summary:	**Based on available data, classification criteria not met.**

Specific target organ toxicity - Single exposure
Data on the product or its components:

Mixture/ Ingredient name	Effect

Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate [ISOBORNYL METHACRYLATE]	Hazard category: Specific target organ toxicity - Single Exposure, Category 3 Hazard statement: May cause respiratory irritation. Affected organs: respiratory tract. Route of exposure: inhalation.
Conclusion/Summary:	**Based on available data, classification criteria not met.**

Specific target organ toxicity - Repeated exposure
Data on the product or its components:

	No data on adverse effects on humans or animals are available.
Conclusion/Summary:	**Based on available data, classification criteria not met.**

Aspiration hazard
Data on the product or its components:

	No data on adverse effects on humans or animals are available.
Conclusion/Summary:	**Based on available data, classification criteria not met.**

Potential acute health effects

Eye contact:	May cause nose and throat irritation – might be harmful if inhaled.
Inhalation:	Causes skin sensitisation or irritation.
Skin contact:	Causes serious eye irritation.
Ingestion:	No significant effects or critical hazards known.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact:	Conjunctivitis, lacrimation, redness, pain or irritation, reversible cornea damage and swelling and watering of the eyes.
Inhalation:	Difficulty to breath, nausea, fatigue, cough, irritation, unconsciousness.
Skin contact:	Redness, inflammation, rash, urticaria, pain or irritation, blistering and dermatitis.
Ingestion:	No specific symptoms known.

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.

11.2. Information on other hazards

Endocrine disrupting properties

Based on available data the mixture does not contain ingredients considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration of 0.1% or more.

Other information

	No additional information is available.

SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity
Data on the product or its components:

Mixture/ Ingredient name	Species	Water media type	Exposure	Dose	Effect conc.
Propylidynetrimethyl trimethacrylate [TRIMETHYLOLPROPANE TRIMETHACRYLATE]	Fish - Oncorhynchus mykiss	freshwater	96 h	LC_{50}	2 mg/L
	Fish - Pimephales promelas	freshwater	32 d	NOEC	0.138 mg/L
	Crustacean - Daphnia magna	freshwater	48 h	EC_{50}	> 9.22 mg/L
	Algea - Raphidocelis subcapitata	freshwater	72 h	NOEC	0.177 mg/L
	Microorganisms - activated sludge	freshwater	3 h	EC_{50}	> 1 000 mg/L
Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate [ISOBORNYL METHACRYLATE]	Fish - Danio rerio	freshwater	96 h	LC_{50}	1.79 mg/L
	Crustaceans - Daphnia magna	freshwater	48 h	EC_{50}	> 2.57 mg/L
	Crustaceans - Daphnia magna	freshwater	21 d	NOEC	0.233 mg/L
	Algea - Pseudokirchneriella subcapitata	freshwater	72 h	EC_{50}	2.28 mg/L
Conclusion/Summary:	**According to classification method described in CLP regulation, this product is classified as harmful to aquatic life with long lasting effects (Aquatic Chronic 3, H412).**				

12.2. Persistence and degradability

Data on the product or its components:

Mixture/ Ingredient name	CAS no.	Degradability	Test method/ Guideline
Propylidynetrimethyl trimethacrylate [TRIMETHYLOLPROPANE TRIMETHACRYLATE]	3290-92-4	Inherently biodegradable. Degradation (CO2 evolution), 28 d.: 29%	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate [ISOBORNYL METHACRYLATE]	7534-94-3	Readily biodegradable. Degradation (CO2 evolution), 28 d: 70%	OECD Guideline 310 (Ready Biodegradability - CO2 in Sealed Vessels (Headspace Test))

12.3. Bioaccumulative potential

Data on the product or its components:

Mixture/ Ingredient name	Effect
Propylidynetrimethyl trimethacrylate [TRIMETHYLOLPROPANE TRIMETHACRYLATE]	BCF (aquatic species): 5.25 L/kg ww
Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate [ISOBORNYL METHACRYLATE]	BCF: 37 dimensionless

12.4. Mobility in soil

Data on the product or its components:

Mixture/ Ingredient name	Effect
Propylidynetrimethyl trimethacrylate [TRIMETHYLOLPROPANE TRIMETHACRYLATE]	log Koc: 2.071 at 25°C Koc: 1 757 at 20 °C
Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate [ISOBORNYL METHACRYLATE]	Mean adsorption coefficient log *Koc* of 3.7.

12.5. Results of PBT and vPvB assessment

	Regarding all available data on biotic and abiotic degradation, bioaccumulation and toxicity it can be stated that the substance does not fulfil the PBT criteria (not PBT) and not the vPvB criteria (not vPvB).
12.6. Endocrine disrupting properties Data on the product or its components:	
	No data on adverse effects aquatic organisms are available.
Conclusion/Summary:	**Based on available data the mixture does not contain ingredients considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration of 0.1% or more.**
12.7. Other adverse effects	
	No other significant effects or critical hazards known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods	
Product:	
Methods of disposal:	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 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:	Within the present knowledge of the supplier, this product IS regarded as hazardous waste, as defined by Directive 2008/98/EC and EU regulation 1357/2014.
European waste catalogue (EWC):	20 01 27* paint, inks, adhesives and resins containing dangerous substances Note: Always check the given waste codes according to the actual conditions of manufacturing, formulation or use.
Packaging:	
Methods of disposal:	The generation of waste should be avoided or minimised wherever possible. 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 spilt material and runoff and contact with soil, waterways, drains and sewers.
Special precautions:	This material and its container must be disposed of in a safe way.

SECTION 14: Transport information

International transport regulations (ADR/RID, IMDG or ICAO/IATA):				
	ADR	**RID**	**IMDG**	**IATA**
14.1. UN number or ID number	-	-	-	-
14.2. UN proper shipping name	-			
14.3. Transport hazard class(es)	-	-	-	-
14.4. Packing group	-	-	-	-
14.5. Environmental hazards	-	-	-	-

14.6. Special precautions for user	-	-	-	-
Other information	-	-	-	-
14.7. Maritime transport in bulk according to IMO instruments	Not applicable.			

SECTION 15: Regulatory information

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

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 (CLP).
ADR - the European Agreement concerning the International Carriage of Dangerous Goods by Road, concluded at Geneva on 30 September 1957, as amended.
RID - the Regulations concerning the International Carriage of Dangerous Goods by Rail, appearing as Appendix C to the Convention concerning International Carriage by Rail (COTIF) concluded at Vilnius on 3 June 1999, as amended.
ADN - the European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways concluded at Geneva on 26 May 2000, as amended.
IMDG Code - International Maritime Dangerous Goods Code.
IATA/ICAO: ICAO - International Civil Aviation Organization. IATA - International Air Transport Association.
MARPOL 73/78 - International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978.
COUNCIL DIRECTIVE 1999/13/EC of 11 March 1999 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain activities and installations, with amendments (2004/42/CE).
Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives (Text with EEA relevance).
Commission Regulation (EU) No 1357/2014 of 18 December 2014 replacing Annex III to Directive 2008/98/EC of the European Parliament and of the Council on waste and repealing certain Directives Text with EEA relevance.
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):

Annex XIV - List of substances subject to authorization:	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.

15.2. Chemical safety assessment

	A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Abbreviations and acronyms:

	CLP: Classification, Labelling and Packaging Regulation [Regulation (EC) No.1272/2008] ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road RID: International Rule for Transport of Dangerous Substances by Railway IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association CAS: Chemical Abstracts Service EINECS: European Inventory of Existing Commercial Chemical Substances LC50: Median lethal concentration LD50: Median lethal dose REACH: Registration, Evaluation and Authorisation of Chemicals

	PBT: Persistent, bio-accumulative and toxic vPvB: Very persistent, very bio-accumulative bw: Body weight
Full text of classifications and H statements [CLP/ GHS]:	
	Skin Irrit. 2, Skin corrosion/ irritation, Hazard Category 2; H315 Causes skin irritation. Skin Sens. 1, Sensitisation — Skin, hazard category 1; H317 May cause an allergic skin reaction. Eye Irrit. 2, Serious eye damage/eye irritation, Hazard Category 2; H319 Causes serious eye irritation. STOT SE 3, Specific target organ toxicity — Single exposure, Hazard Category 3, Respiratory tract irritation; H335 May cause respiratory irritation. Aquatic Chronic 2, Long-term (chronic) aquatic hazard, Category 2; H411 Toxic to aquatic life with long lasting effects. Aquatic Chronic 3, Long-term (chronic) aquatic hazard, Category 3; H412 Harmful to aquatic life with long lasting effects.
Classification system:	
	Classification for health effects: conventional (calculation) method is used or generic/specific concentration limits: Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319 **Classification for physico-chemical effects:** No applicable. **Classification for environmental effects:** conventional (calculation) method is used or generic/specific concentration limits: Aquatic Chronic 3, H412
Training advice:	
	In addition to health, safety and environmental training programs for their workers, companies must ensure that workers read, understand and apply the requirements of this SDS.
Used literature:	
	European Chemical Agency's homepage (http://echa.europa.eu/). Safety data sheets of individual components.
DISCLAIMER OF LIABILITY:	
	The information in this MSDS 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 method of handling, storage, use or disposal of the product are beyond our control and may be beyond 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 MSDS/SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS/SDS information may not be applicable.

END OF SAFETY DATA SHEET