

kinetics Material Safety Data Sheet

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II - Europe

Version: 01

Date of compilation:


21.07.2023

Revision: No previous version

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

1.1. Product identifier	
Product Name, item #:	Kinetics Classic Gel Medium <u>Variants:</u> Kinetics Classic Gel Medium Clear, Item #: KCGMC15, KCGMC50 Kinetics Classic Gel Medium Classic Nude, Item #: KCGMNC15, KCGMNC50 Kinetics Classic Gel Medium Light Rose, Item #: KCGMLR15, KCGMLR50 Kinetics Classic Gel Medium Light Sand, Item #: KCGMLS15, KCGMLS50 Kinetics Classic Gel Medium Milky White, Item #: KCGMMW15, KCGMMW50 Kinetics Classic Gel Medium Dark Sand, Item #: KCGMDS15, KCGMDS50 Kinetics Classic Gel Medium Natural Pink, Item #: KCGMNP15, KCGMNP50
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 3K Kurzemes pr., Riga, Latvia, LV-1067, Latvia TEL: +(371) 6 7295 260 FAX: +(371) 6 7873 525 e-mail: info@kineticsbeauty.com web: 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. EUH208 Contains Ethyl phenyl(2,4,6-trimethylbenzoyl) phosphinate. May produce an allergic reaction.
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:	<div style="text-align: center;">  </div> <p>Warning</p> <p>H315 Causes skin irritation.</p> <p>H317 May cause an allergic skin reaction.</p>

	<p>H319 Causes serious eye irritation. EUH208 Contains Ethyl phenyl(2,4,6-trimethylbenzoyl) phosphinate. May produce an allergic reaction.</p> <p>Contain: Methacrylic acid, monoester with propane-1,2-diol.</p> <p>P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P261 Avoid breathing mist/vapours/ spray. P264 Wash hands/ affected body parts thoroughly after handling. P280 Wear protective gloves/eye 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. P501 Dispose of contents/container to in accordance with local/ regional/ national/ international regulation.</p>
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).
	Ecological information: Based on available data the mixture should 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.
	Toxicological information: Based on available data the mixture should 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	No relevant.					
3.2. Mixtures	Mixture of acrylic monomers and other ingredients.					
Ingredient name (INCI)	INDEX Number:	CAS Number:	EINECS/ EC Number:	Conc. (%)	Classification Regulation (EC) 1272/2008 (CLP)	Type
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	70-75	Skin Irrit. 2, H315 Eye Irrit. 2, H319	[1]
Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate [ISOBORNYL METHACRYLATE]	N/A	7534-94-3	231-403-1	10-15	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]
Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate [ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE]	N/A	84434-11-7	282-810-6	<1	Skin Sens. 1B, H317 Aquatic Chronic 2, H411	[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

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. 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. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse. 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 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. Never give anything by mouth to an unconscious person. 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. Conjunctivitis, lacrimation, redness and swelling of eyes, watering.
Inhalation:	No known effect or significant hazard.
Skin contact:	Irritating to the skin, might cause skins sensitization. Irritation, swelling and redness of skin, dermatitis, blistering.
Ingestion:	No known effect or significant hazard.

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

SECTION 5: Firefighting measures**5.1. Extinguishing media**

Suitable extinguishing media:	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media:	Do not use full power water jet.

5.2. Special hazards arising from the substance or mixture

	<p>Hazards from the substance or mixture: In a fire or if heated, a pressure increase will occur and the container may burst.</p> <p>Hazardous combustion products: Decomposition products may include the following materials: carbon dioxide; carbon monoxide; other unidentified organic and inorganic substances.</p> <p>Fire water contaminated with this material must be contained and prevented from being discharged to any waterways, sewer or drain.</p>
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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 firefighters from exposure to coating's hazardous ingredients and hazardous decomposition products.
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	During emergency conditions, overexposure to decomposition products may cause a health hazard; symptoms may not be immediately apparent. Obtain medical attention.
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SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

	<p><i>For non-emergency personnel:</i> 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.</p> <p><i>For emergency responders:</i> 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".</p>
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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).
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6.3. Methods and material for containment and cleaning up

	<p>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.</p> <p>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.</p>
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6.4. Reference to other sections

	<p>See Section 1 for emergency contact information.</p> <p>See Section 8 for information on appropriate personal protective equipment.</p> <p>See Section 13 for additional waste treatment information.</p>
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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:	<p>Good industrial hygiene practices should be observed.</p> <p>Provide sufficient air exchange and/or exhaust in work rooms.</p> <p>Wash hands before work breaks and after finishing work.</p> <p>Do not eat, drink or smoke while working.</p> <p>Take off all contaminated clothing immediately.</p> <p>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.</p>

7.2. Conditions for safe storage, including any incompatibilities




Storage:	Store in well-ventilated area. Store in a clean, dry area. 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.
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7.3. Specific end use(s)

Industrial sector specific solutions:	Product is for professional use only.
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SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

Occupational exposure	Limit values are laid down throughout the EU, but each Member State establishes its own national
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limits:	OELs, often going beyond EU legislation. OELs are set by competent national authorities and other relevant institutions. EU (IOELV): <i>Not available.</i> United Kingdom (EH40): <i>Not available.</i> Latvia (AER, reg.325/2011): <i>Not available.</i> Germany (TRGS-900): <i>Not available.</i>
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.
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 glasses with sideshields or chemical safety goggles should be worn if there is a risk of splashing.
Skin protection:	 Chemical-resistant protective gloves (EN 374). Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed, then the gloves should be replaced. Wear suitable protective clothing.
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	Not available.
c) Odour	Not available.
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.
j) Decomposition temperature	Not available.
k) pH	Not applicable.
l) Kinematic viscosity	Not available.
m) Solubility (-ies)	Not available.
n) Partition coefficient n-	Not available.

octanol/water (log value)	
o) Vapour pressure	Not available.
p) Density and/or relative density	Not available.
q) Relative vapour density	Not available.
r) Particle characteristics	Not applicable.
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	
	Stable under recommended storage conditions.
10.4. Conditions to avoid	
	Sun-Light, un-clean conditions to avoid during storage. Heat.
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	ATE mix (oral/ by inhalation/ derma) calculation: >2000 mg/kg, based on available data, classification criteria not met.			
Mixture/ Ingredient name	Result	Species	Dose	Exposure
Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate [ISOBORNYL METHACRYLATE]	LD50 Oral	Rat	> 2000 mg/kg bw	-
	LD50 Dermal	Rabbit	> 3 000 mg/kg bw	-
Methacrylic acid, monoester with propane-1,2-diol [HYDROXYPROPYL METHACRYLATE]	LD50 Oral	Rat	> 2 000 mg/kg bw	-
	LD50 Dermal	Rabbit	> 5 000 mg/kg bw	-
Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate [ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE]	LD50 Oral	Rat	> 5 000 mg/kg bw	-
	LD50 Dermal	Rabbit	> 2 000 mg/kg bw	-
Serious eye damage/irritation	Eye Irrit. 2, H319 Causes serious eye irritation.			
Mixture/ Ingredient name	Effect			
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]	Causes serious eye irritation. Species: rabbit. Amount / concentration applied: 0.1 mL undiluted. Duration of treatment / exposure: Not rinsed			
Methacrylic acid, monoester	Category 2B (mildly irritating to eyes) based on GHS criteria.			

with propane-1,2-diol [HYDROXYPROPYL METHACRYLATE]	
Skin corrosion/irritation	Skin Irrit. 2, H315 Causes skin irritation.
Mixture/ Ingredient name	Effect
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]	Causes skin irritation. Species: rabbit. Amount / concentration applied: 0.5 mL undiluted. Duration of treatment / exposure: 3 min, 1 hour and 4 hour(s).
Respiratory or skin sensitisation	Skin Sens. 1, H317 May cause an allergic skin reaction
Mixture/ Ingredient name	Effect
Methacrylic acid, monoester with propane-1,2-diol [HYDROXYPROPYL METHACRYLATE]	Skin sensitizer.
Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate [ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE]	Category 1B (skin sensitising). Species: mouse. Guideline: OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay). EC3: 16.4%
Germ cell mutagenicity	Based on available data, classification criteria not met.
Carcinogenicity	Based on available data, classification criteria not met.
Reproductive toxicity	Based on available data, classification criteria not met.
STOT-single exposure	Based on available data, classification criteria not met.
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
STOT-repeated exposure	Based on available data, classification criteria not met.
Aspiration hazard	Based on available data, classification criteria not met.
Potential acute health effects	
Eye contact:	Irritating to the eyes.
Inhalation:	No known significant effects or critical hazards.
Skin contact:	Irritating to the skin, might cause skins sensitization.
Ingestion:	No known significant effects or critical hazards.
Symptoms related to the physical, chemical and toxicological characteristics	
Eye contact:	Conjunctivitis, lacrimation, redness and swelling of eyes, watering.
Inhalation:	None known.
Skin contact:	Irritation, swelling and redness of skin, dermatitis, blistering.
Ingestion:	None 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.
Potential chronic health effects:	
Conclusion/Summary	
General	No known significant effects or critical hazards.
Carcinogenicity	No known significant effects or critical hazards.
Mutagenicity	No known significant effects or critical hazards.
Teratogenicity	No known significant effects or critical hazards.

Developmental effects	No known significant effects or critical hazards.
Fertility effects	No known significant effects or critical hazards.
11.2. Information on other hazards	
Endocrine disrupting properties	
	Based on available data the mixture should 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		Based on available data, classification criteria not met.			
Mixture/ Ingredient name	Species	Water media type	Exposure	Dose	Effect conc.
Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate [ISOBORNYL METHACRYLATE]	Danio rerio	freshwater	96 h	LC50	1.79 mg/L4
	Daphnia magna	freshwater	48 h	EC50	> 2.57 mg/L
	Daphnia magna	freshwater	21 d	NOEC	0.233 mg/L
	Pseudokirchneriella subcapitata	freshwater	72 h	EC50	2.28 mg/L
Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate [ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE]	Danio rerio	freshwater	96 h	LC50	1.89 mg/L
	Daphnia magna	freshwater	48 h	EC50	2.26 mg/L
	Desmodesmus subspicatus	freshwater	72 h	EC50	1.01 mg/L
	Activated sludge, domestic	-	180 min	EC50	> 1 000 mg/L
12.2. Persistence and degradability					
Mixture/ Ingredient name	CAS no.	Degradability		Test method/ Guideline	
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))	
Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate [ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE]	84434-11-7	Not readily biodegradable. Degradation (O2 consumption), 28 d.: <10%		OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)	
12.3. Bioaccumulative potential					
Mixture/ Ingredient name	Effect				
Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate [ISOBORNYL METHACRYLATE]	BCF: 37 dimensionless				
Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate [ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE]	The substance has a low potential for bioaccumulation based on log Kow <=3.				
12.4. Mobility in soil					
Mixture/ Ingredient name	Effect				
Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate [ISOBORNYL METHACRYLATE]	Mean adsorption coefficient log Koc of 3.7.				
Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate [ETHYL TRIMETHYLBENZOYL PHENYLPHOSPHINATE]	The Log Koc was determined to be 3.37 (dimensionless).				
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					
	Based on available data the mixture should 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 known significant effects or critical hazards.

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 EU regulation 1357/2014.
European waste catalogue (EWC):	20 01 27* paint, inks, adhesives and resins containing dangerous substances
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

This preparation is not classified as dangerous according to international transport regulations (ADR/RID, IMDG or ICAO/IATA).				
International transport regulations:				
	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	No shipping name as the product is not regulated according to ADR/RID/ IMDG/ ICAO/ IATA.			
14.3. Transport hazard class(es)	-	-	-	-
14.4. Packing group	-	-	-	-
14.5. Environmental hazards	-	-	-	-
14.6. Special precautions for user	-	-	-	-
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. 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, with amendments. 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:	
Full text of abbreviations	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
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, 1B, Sensitisation — Skin, hazard category 1, 1B; 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. EUH208 Contains <name of sensitising substance>. May produce an allergic reaction.
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 EUH208 Classification for physico-chemical effects: Not applicable. Classification for environmental effects: conventional (calculation) method is used. Not applicable.
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:	

	<p>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.</p>
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END OF SAFETY DATA SHEET