

Material Safety Data Sheet

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



Version : 02

Date of revision : 09/03/2018

1. IDENTIFICATION OF THE SUBSTANCE/ MIXTURE AND COMPANY/UNDERTAKING

1.1. Product identifier	
	SHIELD Tack Free Top Item #: KGPTF
1.2. Relevant identified uses of the substance or mixture and uses advised against	
Identified uses	UV-curing nail polish, top coat, 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 22 Tēraudlietuves St, Riga, Latvia, LV-1026, Latvia TEL: +(371) 6 7295 260 FAX: +(371) 6 7873 525 e-mail: info@kineticsnails.com web: www.kineticsnails.com E-mail of person responsible for Product Safety Data Sheet: info@kineticsnails.com
1.4. Emergency telephone number	
	EU:112 Emergency telephone for other regions to be filled out by local business

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture	
According to regulation (EC) No 1272/2008:	Skin Sens. 1 H317 Eye Irrit. 2 H319 Skin Irrit. 2 H315 Aquatic Chronic 2 H411
Important adverse physicochemical, human health and environmental effects:	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 Skin Irrit. 2- Skin corrosion/irritation, Hazard Category 2; H315 Causes skin irritation Aquatic Chronic 2 Chronic Hazard, Category 2; H411 Toxic to aquatic life with long lasting effects.
2.2. Label elements	
According to regulation (EC) No 1272/2008: (Applicable from 01.06.2015)	  <p>Warning</p> <p>H317 May cause an allergic skin reaction H319 Causes serious eye irritation. H315 Causes skin irritation H412 Toxic to aquatic life with long lasting effects.</p> <p>Contain: Urethane Dimethacrylate, 2-hydroxyethyl methacrylate, Ethyl Trimethylbenzoyl Phenylphosphinate.</p> <p>P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P264 Wash hands thoroughly after handling. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/ face protection.</p>

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	<p>P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P333 + P313 If skin irritation or rash occurs: Get medical advice/attention. 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).

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances	No relevant.
3.2. Mixtures	Mixture of acrylic monomers and other ingredients including a UV activated curing agent that after exposure to UV light will form a long-lasting polymeric coating.

Ingredient name (INCI)	INDEX	CAS Numbers:	EINECS:	Conc.%	Classification Regulation (EC) 1272/2008 (CLP)	Type
Urethane Dimethacrylate (7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate)	N/A	72869-86-4	276-957-5	50-60%	Skin Sens. 1 H317 Aquatic Chronic 2 H411	[1]
Trimethylpropane Trimethacrylate (propylidynetrimethyl trimethacrylate)		3290-92-4	221-950-4	5-15	Aquatic Chronic 2 H411	[1]
2-hydroxyethyl methacrylate (Hydroxyethyl Methacrylate)	607-124-00-X	868-77-9	212-782-2	10-20%	Skin Irrit. 2 H315 Skin Sens. 1 H317 Eye Irrit. 2 H319	[1]
2-[[[3-hydroxy-2,2-bis[[[(1-oxoallyl)oxy]methyl]propoxy]methyl]-2-[[[(1-oxoallyl)oxy]methyl]-1,3-propanediyl diacrylate) Dipentaerythrityl Pentacrylate	N/A	60506-81-2	262-270-8	5-10	Eye Irrit. 2 H319	[1]
Ethyl Trimethylbenzoyl Phenylphosphinate	N/A	84434-11-7	282-810-6	1-3	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

4. FIRST AID MEASURES

4.1. Description of first aid measures	
General advice:	Remove contaminated clothing.
Inhalation:	Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Get medical attention.
Skin contact:	Remove contaminated clothing and wash before reuse. Remove and destroy contaminated shoes. Flush with plenty of water. Obtain medical attention if irritation persists.
Eye contact:	Immediately wash the eyes with plenty of water for at least 15 min holding the eye open. Obtain medical attention urgently..

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Ingestion:	Do not INDUCE VOMITING. Rinse mouth with water. Get medical attention IMMEDIATELY.
4.2. Most important symptoms and effects, both acute and delayed	
Inhalation:	May cause nose and throat irritation. May affect the brain or nervous system, causing dizziness, headache or nausea. Harmful if inhaled. Narcosis, loss of coordination, vomiting, difficulty with speech, reduced visibility, fatigue, cough, unconsciousness.
Skin contact:	Causes skin irritation. Swelling and redness of skin, dermatitis, drowsiness
Eye contact:	Cause eye irritation. conjunctivitis, lacrimation, redness and swelling of eyes,
Ingestion:	Harmful if swallowed, abdominal pain
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.

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media	
Suitable extinguishing media:	Carbon dioxide, foam, powder.
Unsuitable extinguishing media:	Water.
5.2. Special hazards arising from the substance or mixture	
	Water may be ineffective in fighting fire. 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.
5.3. Advice for firefighters	
	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. During emergency conditions, overexposure to decomposition products may cause a health hazard; symptoms may not be immediately apparent. Obtain medical attention.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures	
	Avoid contact with skin and eyes. Ensure adequate ventilation. Wear personal protective equipment. Avoid breathing vapour and avoid skin and eye contact.
6.2. Environmental precautions	
	Do not empty into drains / surface water / ground water. Prevent further leakage or spillage.
6.3. Methods and material for containment and cleaning up	
	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal. Dispose of in accordance with local regulations.
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.





7. HANDLING AND STORAGE

7.1. Precautions for safe handling	
Protective measures:	Avoid inhalation, skin and eye contact.
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. See also Section 8 for additional information on hygiene measures.
7.2. Conditions for safe storage, including any incompatibilities	

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Storage:	<p>Store in well-ventilated area. Keep containers (solvent resistant) closed when not in use. Store away from ignition sources. All equipment should be grounded. Avoid strong oxidizing agents, store in a clean, dry area.</p> <p>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.</p> <p>Empty container may retain product residues (vapour or liquid).</p>
7.3. Specific end use(s)	
Industrial sector specific solutions:	Product is for professional use only.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters	
Occupational exposure limits	<p>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.</p> <p>United Kingdom (HSE, 2011): Not established.</p>
Recommended monitoring Procedures:	<p>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.</p>
8.2 Manufacturer: Exposure controls	
Appropriate engineering Controls:	Ensure good ventilation/extraction.
Individual protection measures:	
Hygiene measures:	<p>Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.</p> <p>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.</p>
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. Filter type: A
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). Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374): nitrile rubber (NBR; >= 0.4 mm thickness). Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374): nitrile rubber (NBR; >= 0.4 mm thickness). This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. 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.

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Environmental exposure controls:	
	According to available technology.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties	
Appearance	
Physical state	Transparent viscous liquid
Colour	Colorless
Odour	Acrylate odour
Odour threshold	Not available.
pH at 25 °C	Not applicable.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	>100 °C
Evaporation rate	Not available
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	Not available.
Solubility(ies)	Insoluble in water. Soluble in solvent.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	900 - 1200 mPa·s
Evaporation Rate	Slower than ether
Explosive properties	Not available.
Oxidising properties	Not available
9.2. Other information	
Impurity	Not available

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	
	Polymerization is possible under UV light.
10.4. Conditions to avoid	
	Sun-Light, UV-Light, un-clean conditions to avoid during storage.
10.5. Incompatible materials	
	Do not store with polymerization initiators including peroxides, strong oxidizing agents, copper, copper alloys, carbon steel, iron.
10.6. Hazardous decomposition products	
	Fumes produced when heated to decomposition may include: Toxic carbon monoxide, carbon dioxide.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects				
Product:	ATE mix Oral calculation: >2000 mg/kg, not classified as acute toxic.			
Ingredients:				
Acute toxicity:	Result	Species	Dose	Exposure

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Urethane Dimethacrylate	LD50 Oral	Rat	LD50 >5000 mg/kg,	
	LC50 inhalation	Rat	> 21 mg/L air (analytical)	
	LD50 Dermal	Rabbit	> 16 mL/kg bw	24 h
2-hydroxyethyl methacrylate	LD50 Oral	Rat	LD50=5564 mg/kg bw	24 h
	LC50 inhalation	Rat	No data available	
	LD50 Dermal	Rabbit	LD50 >5000 mg/kg /bw	
Trimethylpropane Trimethacrylate (propylidynetrimethyl trimethacrylate)	LD50 Oral	Rat	LD50=>2000 mg/kg	LD50 Oral
	LC50 inhalation	Rat	No data available.	
	LD50 Dermal	Rabbit	LD50=>2000 mg/kg	
Ethyl Trimethylbenzoyl Phenylphosphinate	LD50 Oral	Rat	Maybe toxic by inhalation, in contact with skin and if swallowed.	
	LC50 inhalation	Rat	Maybe toxic by inhalation, in contact with skin and if swallowed.	
	LD50 Dermal	Rabbit	Maybe toxic by inhalation, in contact with skin and if swallowed.	
Dipentaerythrityl Pentacrylate	No data available			
Eye irritation:				
Urethane Dimethacrylate	No data available.			
2-hydroxyethyl methacrylate	Slightly irritant			
Trimethylpropane Trimethacrylate (propylidynetrimethyl trimethacrylate)	Under the test conditions, TMPTMA is not classified as irritating to the eye according to the criteria of Annex VI to the Directive 67/548/EEC and CLP Regulation (EC) N° (1272-2008).			
Ethyl Trimethylbenzoyl Phenylphosphinate	No data available.			
Dipentaerythrityl Pentacrylate	No data available			
Skin irritation/ corrosion:				
Urethane Dimethacrylate	Non irritant to the skin.			
2-hydroxyethyl methacrylate	Slightly irritant			
Trimethylpropane Trimethacrylate (propylidynetrimethyl trimethacrylate)	Under the test conditions, TMPTMA is not classified as irritating to the skin according to the criteria of Annex VI to the Directive 67/548/EEC and CLP Regulation (EC) N° (1272-2008).			
Ethyl Trimethylbenzoyl Phenylphosphinate	No data available			
Dipentaerythrityl Pentacrylate	No data available			
Sensitisation:				
Urethane Dimethacrylate	Was found to be a skin sensitiser. The EC 3 value was calculated as 36.9%.			
2-hydroxyethyl methacrylate	Epidemiological data on human sensitivity.			
Trimethylpropane Trimethacrylate (propylidynetrimethyl trimethacrylate)	TMPTMA is not classified according to the Annex VI to the Directive 67/548/EEC and the CLP Regulation (EC) N° (1272-2008).			
Ethyl Trimethylbenzoyl Phenylphosphinate	Not sensitising.			
Dipentaerythrityl Pentacrylate	No data available			
Repeated dose toxicity:				
Urethane Dimethacrylate	NOAEL	Rat	No data available	
2-hydroxyethyl methacrylate	NOAEL	Rat	oral: <30 mg/kg/day	
Trimethylpropane Trimethacrylate (propylidynetrimethyl trimethacrylate)	NOAEL, oral	Rat	900 mg/kg bw/day.	
Ethyl Trimethylbenzoyl Phenylphosphinate	NOAEL, oral	Rat	500 mg/kg bw/day	
Dipentaerythrityl Pentacrylate				
Carcinogenicity:				
No known effect according to our database.				
Mutagenicity:				
No known effect according to our database.				
Toxicity for reproduction:				
No known effect according to our database.				
Potential acute health effects				

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Eye contact:	Irritation, conjunctivitis.
Inhalation:	Irritation, coughing, shortness of breath, narcotic effect.
Skin contact:	Redness, inflammation. Rash, Urticaria.
Ingestion:	Gastrointestinal symptoms, such as nausea, vomiting, abdominal pain, and diarrhea could develop.
Symptoms related to the physical, chemical and toxicological characteristics	
Eye contact:	No specific data.
Inhalation:	No specific data.
Skin contact:	No specific data.
Ingestion:	No specific data.
Delayed and immediate effects and also chronic effects from short and long term exposure	
Short term exposure:	
Potential immediate effects:	Not available.
Potential delayed effects:	Not available.
Long term exposure:	
Potential immediate effects:	Not available.
Potential delayed effects:	Not available.
Potential chronic health effects:	Not available.
Conclusion/Summary	
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. Other information	
	Not available.

12. ECOLOGICAL INFORMATION

12.1. Toxicity						
Aquatic toxicity						
Reaction mass of 7,7,9-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diylbismethacrylate and 7,9,9-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diylbismethacrylate	Daphnia magna	freshwater	48h	EC50	> 1200 µg/L	
Trimethylpropane Trimethacrylate (propylidynetrimethyl trimethacrylate)	Oncorhynchus mykiss	freshwater	96 h	LC50	> 1 mg/L < 10 mg/L.	
	Fish	freshwater	32days	NOEC	0,138 mg/L.	
Ethyl Trimethylbenzoyl Phenylphosphinate	Danio rerio (Zebrafish)	freshwater	96 h	LC50	1.89 mg/L	
Dipentaerythryl Pentacrylate	No data available					
12.2. Persistence and degradability						
	Readily biodegradable.					
12.3. Bioaccumulative potential						
	Low.					
12.4. Mobility in soil						
	Not available					
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					

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	criteria (not vPvB).
12.6. Other adverse effects	
	No known significant effects or critical hazards.





13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods	
Product:	
Methods of disposal:	Waste must be disposed of in accordance with federal, state and local environmental control regulations. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Hazardous waste:	Within the present knowledge of the supplier, this product is <u>regarded as hazardous waste</u> , as defined by EU Directive 91/689/EEC.
European waste catalogue (EWC):	200127* paint, inks, adhesives and resins containing dangerous substances
Packaging:	
Methods of disposal:	The generation of waste should be avoided or minimized wherever possible. Packaging: IBC container, plastic drum. Waste packaging should be recycled.
Special precautions:	This material and its container must be disposed of in a safe way.

14. TRANSPORT INFORMATION

This **preparation is 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	UN3082	UN3082	UN3082	UN3082
14.2. UN proper shipping name	Environmentally Hazardous Substance Liquid, N.O.S.			
14.3. Transport hazard class(es)	<p>9</p>  <p>This product is not regulated as a dangerous good when transported in sizes of ≤ 5 L or ≤ 5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.</p>	<p>9</p>  <p>This product is not regulated as a dangerous good when transported in sizes of ≤ 5 L or ≤ 5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.</p>	<p>9</p>  <p>This product is not regulated as a dangerous good when transported in sizes of ≤ 5 L or ≤ 5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.</p>	<p>9</p>  <p>This product is not regulated as a dangerous good when transported in sizes of ≤ 5 L or ≤ 5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.</p>
14.4. Packing group	III	III	III	III
14.5. Environmental hazards	YES	YES	Marine pollutant	YES
14.6. Special precautions for user	Hazard identification number 90 Limited quantity 5 L Special provisions 274, 335, 601, 375 Tunnel code (-)	-	EmS code: F-A, S-F Special provisions 274, 335, 969	Quantity limitation Passenger and Cargo Aircraft: 450 L. Packaging instructions: 964. Cargo Aircraft Only: 450 L. Packaging

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				instructions: 964. Limited Quantities - Passenger Aircraft: 30 kg. Packaging instructions: Y964. Special provisions A97, A158, A197
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.			

15. REGULATORY INFORMATION

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

EU Regulation (EC) No. 1907/2006 (REACH):

Annex XIV - List of substances subject to authorization:	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	
Chemical Safety Assessment following regulation 1907/2006/EC:	A Chemical Safety Assessment has not been carried out.

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- 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 Aquatic Chronic 2H411 Hazardous to the aquatic environment — Chronic Hazard, Category 2. H411, Toxic to aquatic life with long lasting effects.
Classification system	Classification for health effects: conventional (calculation) method is used. Skin Sens. 1 H317 Eye Irrit. 2 H319 Classification for physico-chemical effects: No applicable. Classification for environmental effects: conventional (calculation) method is used. Calculation method: Aquatic Chronic 2 H411
Training advice:	

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	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