Material Safety Data Sheet

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

Version : 02 **Date of revision: 04.04.2022**

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

1.1. Product identifier	
	Lastik HF
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:	Planet Nails Distribution Pty Ltd 8 Conara Road, Kunda Park 4556 Queensland Australia Phone: +61 (07) 5211 0031 E-mail: info@planetnails.com.au Web page: www.planetnails.com.au
1.4. Emergency telephone number	
	000

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture	
According to regulation (EC) No 1272/2008:	**Skin Irrit. 2, H315** **Skin Sens. 1, H317** **Eye Dam. 1, H318** **Aquatic Chronic 3, H412**
Important adverse physicochemical, human health and environmental effects:	**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 Dam. 1 - Serious eye damage/eye irritation, Hazard Category 1.** **H318 Causes serious eye damage.** **Aquatic Chronic 3 - Chronic Hazard, Category 2;** **H412 Harmful to aquatic life with long lasting effects.**
2.2. Label elements	

According to regulation (EC) No 1272/2008:	 **Danger** **H315 Causes skin irritation.** **H317 May cause an allergic skin reaction.** **H318 Causes serious eye damage.** **H412 Harmful to aquatic life with long lasting effects.** Contain: BIS-HEA POLY(1,4-BUTANEDIOL)-9/IPDI COPOLYMER; METHACRYLATE; METHACRYLOYLETHYL PHOSPHATE; ETHYL (2,4,6PHENYLPHOSPHINATE. HYDROXYPROPYL ıMETHYLBENZOYL)
	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P103 Read carefully and follow all instructions. P264 Wash hands thoroughly after handling. P273 Avoid release to the environment. 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. P310 Immediately call a POISON CENTER or doctor/physician. 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).

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)	CAS Numbers	EINECS:	Conc.%
BIS-HEA POLY(1,4-BUTANEDIOL)-9/IPDI COPOLYMER	N/A	N/A	55-65%
HYDROXYPROPYL METHACRYLATE	27813-02-1	248-666-3	10-15%
ISOBORNYL METHACRYLATE	7534-94-3	201-204-4	5-10%
METHACRYLOYLETHYL PHOSPHATE	52628-03-2	258-053-2	1-<5%
ETHYL (2,4,6-TRIMETHYLBENZOYL) PHENYLPHOSPHINATE	84434-11-7	282-810	1-<5%
BIS-HEMA POLYNEOPENTYL GLYCOL ADIPATE/IPDI COPOLYMER	82339-16-0	810-131-2	1-<5%
TRIMETHYLOLPROPANE TRIMETHACRYLATE	3290-92-4	221-950-4	1-3%
2,6-Di-tert-butyl-p-cresol [BHT]	128-37-0	204-881-4	<0.8
CAS: Chemical Abstracts Service			
EINECS: European Inventory of Existing Commercial Chemical Substances			

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 to fresh air. If not breathing, provide artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Skin contact:	Get medical attention. Remove contaminated clothing and wash before reuse. Remove and destroy contaminated shoes. Immediately flush with plenty of water.
Eye contact:	Immediately get medical attention. Immediately wash the eyes with plenty of water for at least 15 min holding the eye open.
Ingestion:	Do not INDUCE VOMITING. Rinse mouth with water. Get medical attention.
4.2. Most important symptoms and effects, both acute and delayed	
Inhalation:	May cause nose and throat irritation. May cause respiratory irritation, causing breathing trouble, irritation, headache or nausea.

Skin contact:	Causes skin sensitisation and skin irritation. Swelling and redness of skin, pain or irritation and dermatitis.
Eye contact:	Causes serious eye damage. Conjunctivitis, lacrimation, redness, pain, cornea damage 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.

SECTION 5: Firefighting measures

5.1. Extinguishing media	
Suitable extinguishing media:	Water spray, foam, dry chemical, carbon dioxide.
Unsuitable extinguishing media:	Full-power water jet.
5.2. Special hazards arising from the substance or mixture	
	Hazardous decomposition products may include: Carbon monoxide (CO) Carbon dioxide (CO_2) Other unidentified organic and inorganic substances.
5.3. Advice for firefighters	
	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. 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	
	Avoid contact with skin and eyes. Ensure adequate ventilation. Wear personal protective equipment. Avoid breathing vapour and avoid skin and eye contact. DO NOT ingest.
6.2. Environmental precautions	
	Do not empty into drains / surface water / ground water. Prevent further leakage or spillage. Toxic to aquatic life with long lasting effects.
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.

SECTION 7: Handling and storage

7.1. Precautions for safe handling	
Protective measures:	Avoid inhalation, skin and eye contact. DO NOT swallow the product.
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	
Storage:	Store in well-ventilated area. Keep containers (solvent resistant) closed when not in use. Store away from ignition sources. 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 wellventilated 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:	Product is for professional use only.

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. **United Kingdom (HSE, 2011):** *2,6-Di-tert-butyl-p-cresol:* Long-term exposure limit: 8 hrs: 10 mg/m^3 **Germany (TRGS-900):** *2,6-Di-tert-butyl-p-kresol:* Long-term exposure limit: 8 hrs: 10 E mg/m^3
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. Manufacturer: 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. 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.
Environmental exposure controls:	
	According to available technology.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties	
Appearance	
Physical state	Viscous liquid
Colour	Not available.
Odour	Not available.
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: noctanol/water	Not available.
Auto-ignition temperature	Not available.

Decomposition temperature	Not available.
Viscosity	Not available.
Evaporation Rate	Not available.
Explosive properties	Not available.
Oxidising properties	Not available
9.2. Other information	
Impurity	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	
	Polymerization is possible.
10.4. Conditions to avoid	
	Sun-Light, un-clean conditions to avoid during storage.
10.5. Incompatible materials	
	Do not store with polymerization initiators including peroxides, strong oxidizing agents. Peroxides, amines, sulfur compounds, heavy metal ions, alkalis and reducing agents. Free radical initiators.
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

Product:	ATE mix Oral calculation: >2000 mg/kg, not classified as acute toxic.			
Ingredients:				
Acute toxicity:	**Result**	**Species**	**Dose**	**Exposure**
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	
Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate [ISOBORNYL METHACRYLATE]	LD50 Oral	Rat	3.16 mL/kg bw	
	LD50 Dermal	Rabbit	> 3 000 mg/kg bw	
2-Propenoic acid, 2-methyl-, 2hydroxyethyl ester, phosphate [METHACRYLOYLETHYL PHOSPHATE]	LD50 Oral	Rat	> 2 000 mg/kg bw	
Ethyl phenyl(2,4,6-	LD50 Oral	Rat	> 5 000 mg/kg bw	

trimethylbenzoyl) phosphinate [ETHYL (2,4,6-TRIMETHYLBENZOYL) PHENYLPHOSPHINATE]	LC50 Inhalation	Rat	>= 0 mg/L air	7 h
	LD50 Dermal	Rabbit	>= 2 000 mg/kg bw	
Propylidynetrimethyl trimethacrylate [TRIMETHYLOLPROPANE TRIMETHACRYLATE]	LD0 Oral	Rat	> 2 000 mg/kg bw	
	LD0 Oral	Rat	> 2 000 mg/kg bw	
BHT (2,6-di-tert-butyl-p-cresol)	LD50 Oral	Rat	LD50 Rat oral 890 mg/kg [Sax, N.I. Dangerous Properties of Industrial Materials. 6th ed. New York, NY: Van Nostrand Reinhold, 1984., p. 426]	

Eye irritation:	**Eye Dam. 1, H318 Causes serious eye damage.**
BIS-HEA POLY(1,4BUTANEDIOL)-9/IPDI COPOLYMER	Irritating to the eyes.
Methacrylic acid, monoester with propane-1,2-diol [HYDROXYPROPYL METHACRYLATE]	Category 2B (mildly irritating to eyes) based on GHS criteria.
Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate [ISOBORNYL METHACRYLATE]	Slightly irritating.
Reaction product of 2hydroxyethyl methacrylate and 2,2-dimethyl-1,3-propanediol and 5-isocyanato-1(isocyanatomethyl)-1,3,3trimethylcyclohexane and hexanedioic acid [BIS-HEMA POLYNEOPENTYL GLYCOL ADIPATE/IPDI COPOLYMER]	Category 2B (irritating to eyes) based on GHS criteria.
2-Propenoic acid, 2-methyl-, 2hydroxyethyl ester, phosphate [METHACRYLOYLETHYL PHOSPHATE]	Corrosive to the eyes.
Skin irritation/ corrosion:	**Skin Irrit. 2, H315 Causes skin irritation.**
Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate [ISOBORNYL METHACRYLATE]	Irritating.
Reaction product of 2hydroxyethyl methacrylate and 2,2-dimethyl-1,3-propanediol and 5-isocyanato-1(isocyanatomethyl)-1,3,3trimethylcyclohexane and hexanedioic acid [BIS-HEMA POLYNEOPENTYL GLYCOL ADIPATE/IPDI COPOLYMER]	Irritating to the skin.

2-Propenoic acid, 2-methyl-, 2hydroxyethyl ester, phosphate [METHACRYLOYLETHYL PHOSPHATE]	Corrosive. [In study with animals, 30-60 minutes after the 4-hour patch removal, severe erythema (score of 4) and severe edema (score of 4) was observed.]
Sensitisation:	**Skin Sens. 1, H317 May cause an allergic skin reaction**
Methacrylic acid, monoester with propane-1,2-diol [HYDROXYPROPYL METHACRYLATE]	Sensitising.
BIS-HEA POLY(1,4BUTANEDIOL)-9/IPDI COPOLYMER	Sensitising.
2-Propenoic acid, 2-methyl-, 2hydroxyethyl ester, phosphate [METHACRYLOYLETHYL PHOSPHATE]	Sensitising. [Stimulation index (SI) of greater than 3.0 was observed, METHACRYLOYLETHYL PHOSPHATE is considered positive for dermal sensitization potential.]
Ethyl phenyl(2,4,6-trimethylbenzoyl) phosphinate [ETHYL (2,4,6-TRIMETHYLBENZOYL) PHENYLPHOSPHINATE]	Sensitising.
Repeated dose toxicity:	No known effect according to our database.
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.
STOT:	**The product is not classified.**
Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate [ISOBORNYL METHACRYLATE]	May cause respiratory irritation.
Potential acute health effects	
Eye contact:	Conjunctivitis, lacrimation, redness, pain, cornea damage and swelling of eyes.
Inhalation:	Irritation, coughing, shortness of breath, dizziness, headache or nausea.
Skin contact:	Redness, inflammation, rash, urticaria, pain or irritation and dermatitis.
Ingestion:	Gastrointestinal symptoms, such as nausea, vomiting, abdominal pain or irritation, and diarrhoea 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:	
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	
	Not available.

SECTION 12: Ecological information

12.1. Toxicity						
Aquatic toxicity	**Aquatic Chronic 3, H412 Harmful to aquatic life with long lasting effects.**					
Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate [ISOBORNYL METHACRYLATE]	Danio rerio	freshwater	96 h	LC50	1.79 mg/L	
	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 (2,4,6-TRIMETHYLBENZOYL) PHENYLPHOSPHINATE]	Danio rerio (Zebrafish)	freshwater	96 h	LC50	1.89 mg/L	
Propylidynetrimethyl trimethacrylate [TRIMETHYLOLPROPANE TRIMETHACRYLATE]	Oncorhynchus mykiss	freshwater	96 h	LC50	2 mg/L	
	Pimephales promelas	freshwater	32 d	NOEC	0.138 mg/L	
	Daphnia magna	freshwater	48 h	EC50	> 9.22 mg/L	
	Pseudokirchneriella subcapitata	freshwater	72 h	NOEC	0.177 mg/L	
	Activated sludge	freshwater	3 h	EC50	> 1 000 mg/L	
BHT (2,6-di-tert-butyl-p-cresol)	QSAR calculation	freshwater	96 h	LC50	0.199 mg/L	
12.2. Persistence and degradability						
	Product contains substances that are not readily biodegradable, but are inherently biodegradable in water.					
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 criteria (not vPvB). .					
12.6. Endocrine disrupting properties						
	2,6-Di-tert-butyl-p-cresol is under development under SEV as endocrine disruption by France. At the date of MSDS printing there was no hazard assessment outcome available to the best knowledge of the compiler of this MSDS.					
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:	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 regarded as hazardous waste, as defined by EU Directive 91/689/EEC.
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 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.

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	-	-	-	-
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	-	-	-	-
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	
EU Regulation (EC) No. 1907/2006 (REACH):	
Annex XIV - List of	Substances of very high concern: None of the components are listed.

substances subject to authorization:	
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.

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 Corr. 1A, Skin corrosion/ irritation, Hazard Category 1A; H314 Causes severe skin burns and eye damage. 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 Dam. 1, Serious eye damage/eye irritation, Hazard Category 1; H318 Causes serious eye damage. 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 1 - Hazardous to the aquatic environment — Chronic Hazard, Category 1; H410 Very toxic to aquatic life with long lasting effects. Aquatic Chronic 2 - Hazardous to the aquatic environment — Chronic Hazard, Category 2; H411 Toxic to aquatic life with long lasting effects. Aquatic Chronic 3 - Hazardous to the aquatic environment — Chronic 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 Dam. 1, H318 **Classification for physico-chemical effects:** No applicable. **Classification for environmental effects:** conventional (calculation) method is used. 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.
Revision notes:	

	Composition has been corrected and necessary information has been added.
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