Material Safety Data Sheet

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

Version : 02 **Date of revision : 07/06/2017**

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

1.1. Product identifier	
	OGP 001-150 Item number: OGP All shades.
1.2. Relevant identified uses of the substance or mixture and uses advised against	
	Nail Polish, cosmetic.
1.3. Details of the supplier of the safety data sheet	
Responsible person:	LLC mama brands 50b Pobedy blv, Voronezh, Rusian Federation, 394030, Rusian Federation TEL: +7(473)3003451 FAX: +7(473)3003451 Web: https://spektr-europe.com/ E-mail: hello@spektr-europe.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 Irrit. 2 H315** **Skin Sens. 1 H317** **Eye Irrit. 2 H319** **Aquatic Chronic 4 H413**
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 Irrit. 2- Serious eye damage/eye irritation: Hazard Category 2; H319 Causes serious eye irritation** **Aquatic Chronic 4 Hazardous to the aquatic environment — Chronic Hazard, Category 4, H413 May cause long lasting harmful effects to aquatic life**
2.2. Label elements	
According to regulation (EC) No 1272/2008: **(Applicable from 01.06.2015)**	 **Warning** **H315 Causes skin irritation.** **H317 - May cause an allergic skin reaction** **H319 Causes serious eye irritation.** **H413 May cause long lasting harmful effects to aquatic life.** Contain: Urethane Dimethacrylate, Hydroxyethyl Methacrylate; Ethyl Trimethylbenzoyl Phenylphosphinate. 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. P280 Wear protective gloves/protective clothing/eye protection/ face protection. 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
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	A 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)	CAS Numbers:	EINECS:	Conc.%	Classification Regulation (EC) 1272/2008 (CLP)	Type
Urethane Dimethacrylate (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) (Di-Hema Trimethylhexyl Dicarbamate)	72869-86-4	276-957-5	50-60	Skin Irrit. 2 H315 Skin Sens. 1 H317 Eye Irrit. 2 H319	[1]
2-hydroxyethyl methacrylate (Hydroxyethyl Methacrylate)	868-77-9	212-782-2	30-40	Skin Irrit. 2 H315 Skin Sens. 1 H317 Eye Irrit. 2 H319	[1]
Ethyl Trimethylbenzoyl Phenylphosphinate	84434-11-7	282-810-6	1-5	Skin Sens. 1B H317 Aquatic Chronic 2 H411	[1]
BHT (2,6-di-tert-butyl-p-cresol)	128-37-0	204-881-4	<1	Aquatic Chronic 1 H410	[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..
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
Repeated overexposure	Lung damage, liver abnormalities, kidney damage, central nervous system damage, blood effects.
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. Wear protective equipment. Keep away from heat and sources of ignition. Provide adequate ventilation
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

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1. Precautions for safe 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. 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. All equipment should be grounded. Avoid strong oxidizing

	agents, 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. 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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

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):** **BHT (2,6-di-tert-butyl-p-cresol):** Long-term exposure limit, 8-hr OEL reference period: 10 mg/m^3. **SILICA (Quartz, respirable dust, (see Silica, crystalline),** Long-term exposure limit, 8-hr OEL reference period: 10 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 side shields 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties	
Appearance	
Physical state	Viscous liquid
Colour	depends on the references (shades)
Odour	Acrylate odor
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	100 (20°C) (Ethyl Acetate)
Vapour density	Not available.
Relative density	0.91 – 0,99. g/m3
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	3000 – 4000 mPas
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**
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	
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
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.	
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]	
	LC50 inhalation	Rat	No data available.	
	LD50 Dermal	Rabbit	No data available.	

Eye irritation:			
2-hydroxyethyl methacrylate	Slightly irritant.		
Urethane Dimethacrylate	No data available.		
Ethyl Trimethylbenzoyl Phenylphosphinate	No data available.		
BHT (2,6-di-tert-butyl-p-cresol)	No data available		
Skin irritation/ corrosion:			
2-hydroxyethyl methacrylate	Slightly irritant.		
Urethane Dimethacrylate	Non irritating to the skin.		
Ethyl Trimethylbenzoyl Phenylphosphinate	No data available		
BHT (2,6-di-tert-butyl-p-cresol)	No data available		
Sensitisation:			
2-hydroxyethyl methacrylate	Epidemiological data on human sensitivity.		
Urethane Dimethacrylate	Was found to be a skin sensitiser. The EC 3 value was calculated as 36.9%.		
Ethyl Trimethylbenzoyl Phenylphosphinate	Not sensitising.		
BHT (2,6-di-tert-butyl-p-cresol)	Not sensitising.		
Repeated dose toxicity:			
2-hydroxyethyl methacrylate	NOAEL	Rat	oral: <30 mg/kg/day
Urethane Dimethacrylate	NOAEL	Rat	No data available
Ethyl Trimethylbenzoyl Phenylphosphinate	NOAEL, oral	Rat	500 mg/kg bw/day
BHT (2,6-di-tert-butyl-p-cresol)	NOAEC, inhal	Rat	5000 ppm
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			
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:	Not available.
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						
Ethyl Trimethylbenzoyl Phenylphosphinate	Danio rerio (Zebrafish)	freshwater	96 h	LC50	1.89 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						
	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 criteria (not vPvB). .					
12.6. Other adverse effects						
	No known significant effects or critical hazards.					

13. DISPOSAL CONSIDERATIONS

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

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):	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 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	-	-	-	-
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. 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 STOT SE 3 Specific target organ toxicity — Single exposure, Hazard Category 3, Narcosis, H336 May cause drowsiness or dizziness Aquatic Chronic 2 Hazardous to the aquatic environment — Chronic Hazard, Category 2, H411 Toxic to aquatic life with long lasting effects. Aquatic Chronic 1 Hazardous to the aquatic environment — Chronic Hazard, Category 1, H410 Very toxic to aquatic life with long lasting effects.
Classification system	**Classification for health effects:** conventional (calculation) method is used. 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. Aquatic Chronic 4 H413
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.

16.4

END OF SAFETY DATA SHEET