

MATERIAL SAFETY DATA SHEET

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

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Date of revision:

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

1.1. Product identifier

Andreia Professional True Pure Color

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: **Higicol S.A.**
Rua Santos Dias, nº 1121, Freguesia X24, 4465-255 São Mamede de Infesta, Portugal
TEL: +(351) 229 858 833

e-mail : info@higicol.com
web : www.andreiaprofessional.com
E-mail of person responsible for Product Safety Data Sheet:
Info@higicol.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 Sens. 1, H317
Eye Irrit. 2, H319
Aquatic Chronic 3, H412

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.
Aquatic Chronic 2, Long-term (chronic) aquatic hazard, Category 3;
H412 Harmful to aquatic life with long lasting effects.

2.2. Label elements

According to regulation (EC) No 1272/2008:



Warning

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

Contain: HYDROXYPROPYL METHACRYLATE; ETHYL (2,4,6-TRIMETHYLBENZOYL) PHENYLPHOSPHINATE.

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.

P261 Avoid breathing mist/vapours/ spray.

P264 Wash hands thoroughly after handling.

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| | <p>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. 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> |
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2.3. Other hazards

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| | Product does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH (Regulation (EC) No 1907/2006). |
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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 |
| BIS-HEA POLY(1,4-BUTANEDIOL)-9/IPDI COPOLYMER | N/A | N/A | N/A | 55-65 | Not classified | |
| Methacrylic acid, monoester with propane-1,2-diol [HYDROXYPROPYL METHACRYLATE] | N/A | 27813-02-1 | 248-666-3 | 30-40 | Skin Sens. 1, H317 Eye Irrit. 2, H319 | [1] |
| Ethyl phenyl(2,4,6-trimethylbenzoyl) phosphinate [ETHYL (2,4,6-TRIMETHYLBENZOYL) PHENYLPHOSPHINATE] | N/A | 84434-11-7 | 282-810-6 | 1-5 | 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

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| 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. Get medical attention if adverse health effects persist or are severe. If necessary, call a poison centre or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. |
| 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 |

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| | symptoms persist. |
| | 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. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| 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 according to our database. |
| Skin contact: | Might cause skin sensitization. Irritation, swelling and redness of skin, dermatitis, blistering. |
| Ingestion: | No known effect according to our database. |
| 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. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. |

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

SECTION 5: Firefighting measures

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| 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 | |
| | <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 Phosphorous oxides Other unidentified organic and inorganic substances.</p> <p>This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterways, sewer or drain.</p> |
| 5.3. Advice for firefighters | |
| | <p>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.</p> <p>During emergency conditions, overexposure to decomposition products may cause a health hazard; symptoms may not be immediately apparent. Obtain medical attention.</p> |

SECTION 6: Accidental release measures

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| 6.1. Personal precautions, protective equipment and emergency procedures | |
| | <p>Personal precautions, protective equipment and emergency procedures</p> <p>For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.</p> <p>For emergency responders: If specialised clothing is required to deal with the spillage, take note of any information in Section "Exposure controls/personal protection" on suitable and unsuitable materials. See also the information in "For non-emergency personnel".</p> |
| 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), |

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| | waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage. |
| 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> |
| 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> |

SECTION 7: Handling and storage

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| 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 or mist. 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.</p> <p>See also Section 8 for additional information on hygiene measures.</p> |
| 7.2. Conditions for safe storage, including any incompatibilities | |
| Storage: | <p>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 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. |

SECTION 8: Exposure controls/personal protection

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| 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><u>United Kingdom (EH40):</u> <i>Not available.</i></p> <p><u>Latvia (AER, reg.325/2011):</u> <i>Not available.</i></p> |
| 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

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| 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. |
| Environmental exposure controls: | |
| | According to available technology. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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| 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: n-octanol/water | Not available. |
| Auto-ignition temperature | Not available. |

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| 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

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| 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 with heat evolution may occur in the presence of radical forming substances (e.g. peroxides), reducing substances, and/or heavy metal ions or when exposed to white light, ultraviolet light or heat. |
| 10.4. Conditions to avoid | |
| | Sun-Light, un-clean conditions to avoid during storage. Heat. |
| 10.5. Incompatible materials | |
| | Avoid radical forming substances (metal-ions, peroxides). |
| 10.6. Hazardous decomposition products | |
| | Fumes produced when heated to decomposition may include: Toxic carbon monoxide, carbon dioxide. |

SECTION 11: Toxicological information

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| 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 | | | | |
| Acute toxicity: | ATE mix Oral calculation: >2000 mg/kg, not classified as acute toxic. | | | |
| Mixture/ Ingredient name | 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 | - |
| Eye irritation: | Eye Irrit. 2, H319 Causes serious eye irritation. | | | |
| Mixture/ Ingredient name | Effect | | | |
| Methacrylic acid, monoester with propane-1,2-diol [HYDROXYPROPYL METHACRYLATE] | Category 2B (mildly irritating to eyes) based on GHS criteria. Species: Rabbit. Amount applied (volume): 0.1 ml. Duration of treatment / exposure: Till end of observation period Observation period (in vivo): 24, 48, 72 h, 4, 5, 7 days Guideline: Appraisal of the safety of Chemicals in foods, drugs and cosmetics by staff of the Division of Pharmacology, FDA acc. to Draize. | | | |
| Skin irritation/ corrosion: | No known effect according to our database. | | | |
| 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 (2,4,6-TRIMETHYLBENZOYL) PHENYLPHOSPHINATE] | Skin sensitizer. | | | |
| 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. | | | |

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| STOT: | No known effect according to our database. |
| Aspiration hazard: | No known effect according to our database. |
| Potential acute health effects | |
| Eye contact: | Irritating to the eyes. |
| Inhalation: | No known effect according to our database. |
| Skin contact: | Irritating to the skin, might cause skins sensitization. |
| Ingestion: | No known effect according to our database. |
| Symptoms related to the physical, chemical and toxicological characteristics | |
| Eye contact: | Conjunctivitis, lacrimation, redness and swelling of eyes, watering. |
| Inhalation: | No known significant effects or critical hazards. |
| Skin contact: | Irritation, swelling and redness of skin, dermatitis, blistering. |
| Ingestion: | No known significant effects or critical hazards. |
| 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

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|--|---|--------------------------|------------------|--------------|----------------------|---------------|
| 12.1. Toxicity | | | | | | |
| Aquatic toxicity | Aquatic Chronic 3, H412 Toxic to aquatic life with long lasting effects. | | | | | |
| Mixture/ Ingredient name: | Species: | Water media type: | Exposure: | Dose: | Effect conc.: | Notes: |
| Ethyl phenyl(2,4,6-trimethylbenzoyl) phosphinate [ETHYL (2,4,6-TRIMETHYLBENZOYL) PHENYLPHOSPHINATE] | Danio rerio (Zebrafish) | freshwater | 96 h | LC50 | 1.89 mg/L | - |
| 12.2. Persistence and degradability | | | | | | |
| | No known significant effects or critical hazards. | | | | | |
| 12.3. Bioaccumulative potential | | | | | | |
| | No known significant effects or critical hazards. | | | | | |
| 12.4. Mobility in soil | | | | | | |
| | No known significant effects or critical hazards. | | | | | |
| 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 | | | | | | |
| | No known significant effects or critical hazards. | | | | | |
| 12.7. Other adverse effects | | | | | | |
| | No known significant effects or critical hazards. | | | | | |

SECTION 13: Disposal considerations

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| 13.1. Waste treatment methods | |
| Product: | |
| Methods of disposal: | The generation of waste should be avoided or minimised wherever possible. Disposal of this |

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| | 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 | - | - | - | - |
| 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

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).

The subcategory of the product: Two-pack performance coatings, solvent base, VOC content limit values <500 g/L.

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):

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| 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 | Not applicable. |

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| use of certain dangerous substances, mixtures and articles: | |
| 15.2. Chemical safety assessment | |
| | A Chemical Safety Assessment has not been carried out. |

SECTION 16: Other information

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| 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 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 2 - Long-term (chronic) aquatic hazard, Category 2; H411 Toxic to aquatic life with long lasting effects. Aquatic Chronic 3 - Long-term (chronic) aquatic hazard, Category 3; H412 Harmful to aquatic life with long lasting effects. |
| Classification system | Classification for health effects: conventional (calculation) method is used or generic/specific concentration limits: Skin 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 3, H412 |
| Training advice: | |
| | In addition to health, safety and environmental training programs for their workers, companies must ensure that workers read, understand and apply the requirements of this SDS. |
| Used literature: | |
| | European Chemical Agency's homepage (http://echa.europa.eu/). Safety data sheets of individual components. |
| DISCLAIMER OF LIABILITY: | |
| | The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or method of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS/SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS/SDS information may not be applicable. |

END OF SAFETY DATA SHEET