

kinetics SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878

Version: 01

Date of compilation:

22.09.2023

Revision:

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

1.1. Product identifier	
Product Name, item #:	Kinetics Pearl Chrome powder for nails KGPCP01KIT
1.2. Relevant identified uses of the substance or mixture and uses advised against	
Identified uses	Cosmetic. Consumer use.
Uses advised against	Manufacture of food products.
1.3. Details of the supplier of the safety data sheet	
Responsible person:	Kinetics Nail Systems, Ltd 3K Kurzemes pr., Riga, Latvia, LV-1067, Latvia TEL: +(371) 6 7295 260 FAX: +(371) 6 7873 525 e-mail: info@kineticsbeauty.com web: www.kineticsbeauty.com E-mail of person responsible for Product Safety Data Sheet: info@kineticsbeauty.com
1.4. Emergency telephone number	
	EU:112 Emergency telephone for other regions to be filled out by local business

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture	
According to regulation (EC) No 1272/2008:	Not classified*
Important adverse physicochemical, human health and environmental effects:	Dust inhalation.
2.2. Label elements	
According to regulation (EC) No 1272/2008:	EUH 210 Safety data sheet available on request. P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P261 Avoid breathing dust. P284 Wear respiratory protection.
2.3. Other hazards	
Product does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH (Regulation (EC) No 1907/2006).	
Ecological information: Based on available data the mixture should not contain ingredients considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration of 0.1% or more.	
Toxicological information: Based on available data the mixture should not contain ingredients considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration of 0.1% or more.	
* Acc. to manufacturer report, based on the current results of dust analysis according to EN 15051-2 (rotating drum method), the aerodynamic diameter of a powder determines that the classification criteria are not fulfilled. For all tested samples the respirable fraction (including the particles with aerodynamic diameter $\leq 10 \mu\text{m}$) is far below the 1% (w/w) threshold. Therefore the mixture does not meet the criteria for classification with Carc. 2, H351 (inhalation).	
See section 11 for more detailed information on health effects and symptoms.	

SECTION 3: Composition/information on ingredients

3.1. Substances	Not relevant.					
3.2. Mixtures						
Ingredient name (INCI)	INDEX Number:	CAS Number:	EINECS/ EC Number:	Conc. (%)	Classification Regulation (EC) 1272/2008 (CLP)	Type
Titanium dioxide (CI 77891)	022-006-00-2	13463-67-7	236-675-5	5-15	Carc. 2, H351 (inhalation) Note W; Note 10; Note V.	[1] [2]

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

Note V:

If the substance is to be placed on the market as fibres (with diameter < 3 µm, length > 5 µm and aspect ratio ≥ 3:1) or particles of the substance fulfilling the WHO fibre criteria or as particles with modified surface chemistry, their hazardous properties must be evaluated in accordance with Title II of this Regulation, to assess whether a higher category (Carc. 1B or 1A) and/or additional routes of exposure (oral or dermal) should be applied.

Note W:

It has been observed that the carcinogenic hazard of this substance arises when respirable dust is inhaled in quantities leading to significant impairment of particle clearance mechanisms in the lung.

This note aims to describe the particular toxicity of the substance; it does not constitute a criterion for classification according to this Regulation.

Note 10:

The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter ≤ 10 µm.

SECTION 4: First aid measures

4.1. Description of first aid measures	
General advice:	Remove contaminated clothing.
Inhalation:	Move to a fresh air atmosphere. In case of persistent symptoms, consult a doctor.
Skin contact:	Wash with soap and water. In case of any symptoms, consult a doctor.
Eye contact:	Rinse with plenty of water. If irritation persists, consult a doctor.
Ingestion:	No adverse health effects anticipated by this route, however, in the event of ingestion, increase intake of liquid in order to flush from the body. In case of persistent symptoms, consult a doctor.
4.2. Most important symptoms and effects, both acute and delayed	
Eye contact:	No known effect or significant hazard.
Inhalation:	Repeated inhalation of dust increases the risk of developing lung diseases.
Skin contact:	No known effect or significant hazard.
Ingestion:	No known effect or significant hazard.
4.3. Indication of any immediate medical attention and special treatment needed	
Specific treatments:	Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media	
Suitable extinguishing media:	Use any media appropriate for combustible material in the area.
Unsuitable extinguishing media:	Do not use full power water jet.
5.2. Special hazards arising from the substance or mixture	
	Product is non-flammable and non-combustible.
5.3. Advice for firefighters	

	If water is used to cool closed containers to prevent pressure build-up, fog nozzles are preferred. Full protective equipment, including self-contained breathing apparatus is needed to protect 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.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures	
	<p><i>For non-emergency personnel:</i> No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid generation of dust. Avoid breathing vapour or dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.</p> <p><i>For emergency responders:</i> If specialised clothing is required to deal with the spillage, take note of any information in Section "Exposure controls/personal protection" on suitable and unsuitable materials. See also the information in "For non-emergency personnel".</p>
6.2. Environmental precautions	
	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
6.3. Methods and material for containment and cleaning up	
	<p>Small spill: Stop leak if without risk. Move containers from spill area. Use any feasible mechanical means (e.g. vacuum, sweeping), but avoid dusting during clean-up, and place in container for disposal according to local regulations.</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. Use any feasible mechanical means (e.g. vacuum, sweeping), but avoid dusting during clean-up, 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

7.1. Precautions for safe handling	
Protective measures:	Put on appropriate personal protective equipment (see Section "Exposure controls/ personal protection"). Do not get in eyes or on skin or clothing. Do not ingest. Avoid raising and breathing dust. 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:	Store in well-ventilated area. Should not be stored in outside areas exposed to the weather. Care should be taken to avoid exposure to moisture. 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.
7.3. Specific end use(s)	
Industrial sector specific solutions:	Not available.

SECTION 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>EU (IOELV): <i>Not available.</i></p> <p>United Kingdom (EH40): Titanium dioxide: 8-hour OEL value: total inhalable: 10 mg/m³ respirable: 4 mg/m³</p> <p>Latvia (AER, reg.325/2011): <i>Not available.</i></p> <p>Germany (TRGS-900): Titanium dioxide: 8-hour OEL value: total inhalable: 10 mg/m³ respirable: 3 mg/m³</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. Exposure controls	
Appropriate engineering Controls:	Ensure sufficient ventilation. Reduce inhalation hazards in minimising the occupational exposure. Comply with the Occupational Exposure Limits found in National Guidance documents.
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. A respirator must be used if the dust concentration is likely to exceed the occupational exposure limit. An approved dust respirator is recommended as appropriate depending on dust levels and other workplace factors.
Eye/face protection:	 The use of dustproof goggles or glasses with side protections is recommended if dust concentrations are likely to exceed the occupational exposure limit.
Skin protection:	 Prolonged exposure should be avoided by wearing suitable impervious protective gloves.
Skin/ Body protection:	Follow general rules concerning the protective clothes when handling chemicals.
Environmental exposure controls:	
	According to available technology.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties	
a) Physical state	Solid (Powder).
b) Colour	Chrome to Silvery.
c) Odour	Odourless.
d) Melting point/freezing point	Not available.
e) Initial boiling point and boiling range	Not available.
f) Flammability	Not available.
g) Lower and upper explosion	Not available.

limit	
h) Flash point	Not available.
j) Decomposition temperature	Not available.
k) pH	7-11 (10% aqueous suspension)
l) Kinematic viscosity	Not available.
m) Solubility (-ies)	Insoluble in water.
n) Partition coefficient n-octanol/water (log value)	Not available.
o) Vapour pressure	Not available.
p) Density and/or relative density	Not available.
q) Relative vapour density	Not available.
r) Particle characteristics	D50 = 25 – 35 µm; The respirable fraction (incl. the particles with aerodynamic diameter ≤ 10 µm) is < the 1 % (w/w).
9.2. Other information	
Impurity	Not available
Explosive properties	Not available.
Oxidising properties	Not available

SECTION 10: Stability and reactivity

10.1. Reactivity	
	No hazardous reactions if stored and handled as prescribed/indicated.
10.2. Chemical stability	
	Stable under recommended storage conditions.
10.3. Possibility of hazardous reactions	
	Stable under recommended storage conditions.
10.4. Conditions to avoid	
	No data available.
10.5. Incompatible materials	
	None reasonably foreseeable.
10.6. Hazardous decomposition products	
	None known.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008				
Acute toxicity	ATE mix (oral/ by inhalation/ derma) calculation: >2000 mg/kg, based on available data, classification criteria not met.			
Mixture/ Ingredient name	Result	Species	Dose	Exposure
Titanium dioxide (TITANIUM DIOXIDE)	LD50 Oral	Rat	> 2 000 mg/kg	-
	LC50 Inhalation	Rat	5.09 mg/L air	4 h
Serious eye damage/irritation	Based on available data, classification criteria not met.			
Skin corrosion/irritation	Based on available data, classification criteria not met.			
Respiratory or skin sensitisation	Based on available data, classification criteria not met.			
Germ cell mutagenicity	Based on available data, classification criteria not met.			
Carcinogenicity	<p>Commission Regulation (EU) 2020-217, the 14th adaption to technical progress (ATP) of the CLP introduced a new harmonised classification for certain forms of TiO₂ as a category 2 carcinogen by inhalation. Harmonised classification specifies two criteria to determine whether a substance is to be classified:</p> <ul style="list-style-type: none"> the substance must be in powder form the substance must contain 1% or more of particles with aerodynamic diameter ≤ 10 µm <p>There are no methods officially recognized at the EU level to measure compliance with the second classification criteria mentioned above. There are however internationally recognised methods to measure dustiness. In a dedicated analytical project, TDMA investigated the suitability of all available dustiness test methods for the purpose of determining the content of particles with aerodynamic diameter ≤ 10 µm. As a result, method EN15051-2 provided the most consistent and repeatable results.</p> <p>The dustiness of different titanium dioxide forms is highly dependent on inter alia the shape, the particle size, the surface modification of the respective sample. Consequently, the dustiness of titanium dioxide forms needs to be assessed on an individual, company-specific basis.</p>			

	Conclusion/ Summary: Acc. to manufacturer report, based on the current results of dust analysis according to EN 15051-2 (rotating drum method), the aerodynamic diameter of a powder determines that the classification criteria are not fulfilled. For all tested samples the respirable fraction (including the particles with aerodynamic diameter $\leq 10 \mu\text{m}$) is far below the 1 % (w/w) threshold. Therefore the mixture does not meet the criteria for classification with Carc. 2, H351 (inhalation).
Reproductive toxicity	Based on available data, classification criteria not met.
STOT-single exposure	Based on available data, classification criteria not met.
STOT-repeated exposure	Based on available data, classification criteria not met.
Aspiration hazard	Based on available data, classification criteria not met.
Potential acute health effects	
Eye contact:	No known effect or significant hazard.
Inhalation:	Repeated inhalation of dust increases the risk of developing lung diseases.
Skin contact:	No known effect or significant hazard.
Ingestion:	No known effect or significant hazard.
Symptoms related to the physical, chemical and toxicological characteristics	
Eye contact:	No known significant effects or critical hazards.
Inhalation:	Symptoms may vary and might be absent in general until the later stages. Most common would be shortness of breath and cough.
Skin contact:	No known significant effects or critical hazards.
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	
Endocrine disrupting properties	
	Based on available data the mixture should not contain ingredients considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration of 0.1% or more.
Other information	
	No additional information is available.

SECTION 12: Ecological information

12.1. Toxicity	
Aquatic toxicity	No known significant effects or critical hazards.
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	
	Based on available data the mixture should not contain ingredients considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration of 0.1% or more.
12.7. Other adverse effects	
	No known significant effects or critical hazards.

SECTION 13: Disposal considerations

13.1. Waste treatment methods	
Product:	
Methods of disposal:	The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
Hazardous waste:	Within the present knowledge of the supplier, this product IS regarded as hazardous waste, as defined by EU regulation 1357/2014.
European waste catalogue (EWC):	20 01 26 paint, inks, adhesives and resins other than those mentioned in 20 01 27
Packaging:	
Methods of disposal:	The generation of waste should be avoided or minimised wherever possible. Special precautions: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.
Special precautions:	This material and its container must be disposed of in a safe way.

SECTION 14: Transport information

This preparation is not classified as dangerous according to international transport regulations (ADR/RID, IMDG or ICAO/IATA).				
International transport regulations:				
	ADR/RID	ADN	IMDG	IATA
14.1. UN number or ID number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.2. UN proper shipping name	Not regulated.			
14.3. Transport hazard class(es)	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.4. Packing group	Not applicable.	Not applicable.	Not applicable.	Not applicable.
14.5. Environmental hazards	No.	No.	No.	No.
14.6. Special precautions for user	Not available.	Not available.	Not available.	Not available.
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.

<p>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. 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):</p>	
Annex XIV - List of substances subject to authorization:	Substances of very high concern: None of the components are listed.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles:	Not applicable.
15.2. Chemical safety assessment	
A Chemical Safety Assessment has not been carried out.	

SECTION 16: Other information

Abbreviations and acronyms:	
Full text of abbreviations	<p>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</p>
Full text of classifications and H statements [CLP/GHS]:	<p>Carc. 2, Carcinogenicity, Hazard Category 2; H351 Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.</p>
Classification system	<p>Classification for health effects Acc. to manufacturer report, based on the current results of dust analysis according to EN 15051-2 (rotating drum method), the aerodynamic diameter of a powder determines that the classification criteria are not fulfilled. For all tested samples the respirable fraction (including the particles with aerodynamic diameter $\leq 10 \mu\text{m}$) is far below the 1 % (w/w) threshold. Therefore the mixture does not meet the criteria for classification with Carc. 2, H351 (inhalation). Classification for physico-chemical effects: Not applicable. Classification for environmental effects: conventional (calculation) method is used. Not applicable.</p>
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

