Material safety data sheet

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Diamond 29 Mica Cosmetic Pigment

1. Identification of the substance/mixture and company

Trade name:	Diamond 29 Mica Cosmetic Pigment Anatase titanium dioxide coated mica
INCI	CI 77891, Mica
CAS No. :	13463-67-7/ 12001-26-2
EINESCS No. :	236-675-5/ 310-127-6
REACH pre-registration No. :	-
Utilization:	Raw material for cosmetic or professional use
Supplier company identification:	**Elemental SRL**, Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania Tel/Fax: +40259-436.755, www.elemental.eu
Emergency:	RO: număr național pentru cazuri de urgență: 021 3183606 Institutul de Sănătate Publică București. International emergency number: +49 180 2273-112

2. Hazards Identification

2.1 Classification of the substance or mixture

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).
Adverse physico-chemical, human health and environmental effects: No other hazards

2.2 Label elements

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).
Special provisions according to Annex XVII of REACH and subsequent amendments: None

2.3 Other hazards

No PBT Ingredients are present.
Other Hazards: No other hazards.

3. Declaration of ingredients

3.1 Hazardous components within the meaning of the CLP regulation and related classification:

Substance	CAS	EINECS/EC	Hazard symbols	Percent %
MICA Reg. no. : Exempted, annex V,7	12001-26-2	310-127-6	-	80-90
Titanium dioxide CI 77891 Reg. no. : 01-2119489379-17-XXXX	13463-67-7	236-675-5	-	15-20

4. First aid measures

4.1 Description of first aid measures

In case of skin contact: Wash with plenty of water and disinfectant/non-abrasive soap.

In case of eye contact: Wash immediately with water.

In case of ingestion: Do not induce vomiting, get medical attention showing the MSDS and hazards label.

In case of inhalation: Remove casualty to fresh air and keep warm and at rest.

4.2 Most important symptoms and effects, both acute and delayed
Not Available

4.3 Indication of any immediate medical attention and special treatment needed
None

5. Fire fighting measures

5.1 Extinguishing media

Suitable extinguishing media: Water, CO_2, foam, chemical powders, according to the materials involved in the fire.
In case of fire, use foam, dry chemical, CO_2.
Unsuitable extinguishing media: None in particular.

5.2 Special hazards arising from the substance or mixture
Do not inhale explosion and combustion gases. Burning produces heavy smoke.

5.3 Advice for fire-fighters
Use suitable breathing apparatus. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Wear personal protection equipment. Remove persons to safety. See protective measures under point 7 and 8.

6.2 Environmental precautions
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose of it following local legislation. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities if required.

6.3 Methods and material for containment and cleaning up
Suitable material for cleaning up: dry and inert absorbing material (e.g. vermiculite, sand, earth). Wash with plenty of water.

6.4 Reference to other sections
See also section 8 and 13.

7. Handling and storage

7.1 Precautions for safe handling:

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Avoid contact with skin and eyes, inhalation of vapors and mists. Do not eat or drink while working. See also section 8 for recommended protective equipment.

7.2 Conditions for safe storage, including any incompatibilities
Store in a tightly closed container in a cool, dry, well-ventilated area.
Incompatible materials: None in particular.
Instructions regarding storage premises: Adequately ventilated premises.

7.3 Specific end use(s)
Recommendation(s): Storage temperature < 25°C
Industrial sector specific solutions: None in particular.

8. Exposure controls / personal protection

8.1 Control parameters

Community Occupational Exposure Limits (OEL):

Component	OEL Type	Country	Long Term mg/m³	Long Term ppm	Short Term mg/m³	Short Term ppm	Notes
Mica	ACGIH	-	3	-	-	-	-
	NATIONAL	Spain	3	-	-	-	-
	NATIONAL	Portugal	3	-	-	-	-
	NATIONAL	Belgium	3	-	-	-	-
	NATIONAL	Czech Republic	2.0	-	-	-	-
	NATIONAL	Russian Federation	2	-	6	-	-
	NATIONAL	United Kingdom	10	-	30	-	-
	NATIONAL	United Kingdom	10	-	2.4	-	-
	NATIONAL	United Kingdom	0.8	-	30	-	-
Titanium Dioxide	ACGIH	-	10	-	-	-	-
	NATIONAL	France	10	-	-	-	-
	NATIONAL	Spain	10	-	-	-	-
	NATIONAL	Portugal	10	-	-	-	-
	NATIONAL	Belgium	10	-	-	-	-

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	NATIONAL	Poland	10	-	-	-	-
	NATIONAL	Russian Federation	10	-	-	-	-
	NATIONAL	United Kingdom	10	-	30	-	-
	NATIONAL	United Kingdom	10	-	12	-	-
	NATIONAL	United Kingdom	4	-	30	-	-
	NATIONAL	Germany	3.000	-	6.000	-	-
	NATIONAL	Germany	10.000	-	20.000	-	-
	EU	-	10	-	-	-	-
	NATIONAL	Austria	5.000	-	-	-	-
	NATIONAL	Austria	-	-	10.000	-	-
	NATIONAL	Bulgaria	10.000	-	-	-	-
	NATIONAL	Croatia	-	-	4.000	-	-
	NATIONAL	Croatia	-	-	10.000	-	-
	NATIONAL	Denmark	6.000	-	-	-	-
	NATIONAL	Estonia	5.000	-	-	-	-
	NATIONAL	Finland	10.000	-	-	-	-
	NATIONAL	Greece	10.000	-	-	-	-
	NATIONAL	Greece	5.000	-	-	-	-
	NATIONAL	Hungary	10.000	-	-	-	-
	NATIONAL	Hungary	6.000	-	-	-	-
	NATIONAL	Ireland	10.000	-	-	-	-
	NATIONAL	Ireland	4.000	-	-	-	-
	NATIONAL	Italy	10.000	-	-	-	-
	NATIONAL	Latvia	10.000	-	-	-	-
	NATIONAL	Lithuania	5.000	-	-	-	-
	NATIONAL	Netherlands	10.000	-	-	-	-
	NATIONAL	Netherlands	5.000	-	-	-	-
	NATIONAL	Norway	5.000	-	-	-	-
	NATIONAL	Romania	10.000	-	15.000	-	-

	NATIONAL	Slovakia (Slovak Republic)	1.500	-	-	-	-
	NATIONAL	Sweden	5.000	-	-	-	-
	NATIONAL	Switzerland	3.000	-	-	-	-

Predicted No Effect Concentration (PNEC) values:

Component	CAS-No.	PNEC LIMIT	Exposure Route
Titanium dioxide	13463-67-7	1.000 mg/l	Fresh water
		1000.000 mg/kg	Air
		0.127 mg/l	Soil
		100.000 mg/kg	Marine water sediments
		100.000 mg/kg	Soil (agricultural)
		100.000 mg/kg	Microorganisms in sewage treatments
		1667.000 mg/kg	Food chain

Derived No Effect Level (DNEL) values:

Component	CAS-No.	Worker Industry	Worker Professional	Consumer	Exposure Route	Exposure Frequency
Titanium dioxide	13463-67-7	10.000	10.000 mg/m^3	-	Inhalative	Long term, local effects
		-	-	700.000 mg/m^3	Oral	Long Term, systemic effects

8.2 Exposure controls
Eye/face protection: Eye glasses with side protection.
Skin protection: Chemical protection clothing.
Hand protection: NBR (nitrile rubber).
Respiratory protection: Filtering Half-face mask (DIN EN 149).
Hygienic and Technical measures: Not Available

9. Physical and chemical properties

9.1 Information on physical and chemical properties
Appearance: powder
Color: White Pearl with Sparkling Silver Highlights
Odor: NA
Relative density (d 20 / 20): NA
Refractive index at 20°C: NA

Optical rotation (°): NA
Flash point: NA
Odor threshold: NA
pH: NA
Melting point / freezing point: NA
Initial boiling point and boiling range: NA
Evaporation rate: NA
Flammability (solid, gas): NA
Upper / lower flammability or explosive limits: NA
Vapor tension: NA
Vapor density: NA
Solubility in water: Insoluble
Lipid solubility: Insoluble
Partition coefficient: n-octanol / water NA
Auto-ignition temperature: NA
Decomposition temperature: NA
Viscosity: NA
Explosive properties: STO
Oxidizing properties: NA

9.2 Other information
Substance group relevant properties: Not Available
Miscibility: Not Available
Conductivity: Not Available

10. Stability and reactivity

10.1 Reactivity
Stable under normal conditions.

10.2 Chemical stability
Data not Available.

10.3 Possibility of hazardous reactions
Burning produces carbon monoxide and/or carbon dioxide.

10.4 Conditions to avoid
Stable under normal conditions of temperature and pressure.

10.5 Incompatible materials
Avoid strong oxidizing agents, peroxides, acids, alkali metals.

10.6 Hazardous decomposition products
Burning produces carbon monoxide and/or carbon dioxide.

11. Toxicological information

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11.1 Information on toxicological effects

Toxicological Information of the Preparation:

a) skin corrosion/irritation: Skin Irritant No
b) serious eye damage/irritation: Eye Irritant No
c) acute toxicity: LD50 Oral Rat > 2000.00000 mg/kg

Toxicological information on main components of the mixture:

Mica a) respiratory or skin sensitisation: Skin Sensitization Guinea pig Negative
b) skin corrosion/irritation: Skin Irritant Rabbit No Irritant effect
c) serious eye damage/irritation: Eye Irritant Rabbit No Irritant effect
d) acute toxicity: LD50 Oral Rat > 15000.00000 mg/kg

Titanium dioxide a) acute toxicity: LD50 Oral Rat > 10000.00000 mg/kg
LC50 Inhalation Rat > 6.82000 mg/l 4h

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.
a) acute toxicity
b) skin corrosion/irritation
c) serious eye damage/irritation
d) respiratory or skin sensitisation
e) germ cell mutagenicity
f) carcinogenicity
g) reproductive toxicity
h) STOT-single exposure
i) STOT-repeated exposure
j) aspiration hazard

12. Ecological information

12.1 Toxicity
Adopt good working practices, so that the product is not released into the environment.

Eco-toxicity:
List of Eco-Toxicological properties of the components

Quantity	Component	Identification no.	Ecotox data
15-20 %	Titanium dioxide	CAS: 13463-67-7 EINECS: 236-675-5	Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss >100.00000 mg/l 96h OECD 203
			Aquatic acute toxicity : LC50 Fish Cyprinodon variegatus >10000.00000 mg/l 96h OECD 203
			Aquatic acute toxicity : LC50 Daphnia Daphnia magna >100.00000 mg/l 48h OECD 202

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12.2 Persistence and degradability
Not Available

12.3 Bioaccumulative potential
Not Available

12.4 Mobility in soil
Not Available

12.5 Results of PBT and vPvB assessment
No PBT Ingredients are present

12.6 Other adverse effects
Not Available

13. Disposal considerations

13.1 Waste treatment methods
Recover if possible. In so doing, comply with the local and national regulations currently in force.

14. Transport information

14.1 UN number
ADR: -
IMDG: -
IATA: -
Customs Code: -

14.2 UN shipping name
ADR: Not dangerous goods
IMDG: Not dangerous goods
IATA: Not dangerous goods

14.3 Class of danger for transport
ADR: -
IMDG: -
IATA: -

14.4 Packing group
ADR: -
IMDG: -
IATA: -

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)
Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2015/830 (Annex II)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications: Restrictions related to the product: None
Restrictions related to the substances contained: None

Provisions related to directive EU 2012/18 (Seveso III): Not Available

German Water Hazard Class: Not Available

SVHC Substances: No Data Available

15.2 Chemical Safety Assessment
No Chemical Safety Assessment has been carried out for the mixture.

16. Additional information

16.1 Abbreviations:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS: Chemical Abstracts Service (division of the American Chemical Society).
CLP: Classification, Labeling, Packaging.
DNEL: Derived No Effect Level.
EINECS: European Inventory of Existing Commercial Chemical Substances.
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
IATA: International Air Transport Association.
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO: International Civil Aviation Organization.
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG: International Maritime Code for Dangerous Goods.
INCI: International Nomenclature of Cosmetic Ingredients.
LTE: Long-term exposure.
PNEC: Predicted No Effect Concentration.
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE: Short-term exposure.

STEL: Short Term Exposure limit.
STOT: Specific Target Organ Toxicity.

Disclaimer:

This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.