



**Material safety data sheet**  
According to EU Regulation 1907/2006 in the current version  
**Red 77 Mica Cosmetic Pigment**

### 1. Identification of the substance/mixture and company

Trade name:	Red 77 Mica Cosmetic Pigment
	Iron oxide coated mica
INCI	CI 77491, Mica
CAS No. :	1309-37-1/ 12001-26-2
EINESCS No. :	215-168-2/ 310-127-6
REACH pre-registration No. :	-
Utilization:	Raw material for cosmetic or professional use
Supplier company identification:	<b>Elemental SRL</b> , 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 Substances

Not Available

#### 3.2 Mixtures

Mixture identification: CI 77491, Mica

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

None

### 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.



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**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<sub>2</sub>, foam, chemical powders, according to the materials involved in the fire.  
In case of fire, use foam, dry chemical, CO<sub>2</sub>.

**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**

No Data Available

**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).

**8.3 Hygienic and Technical measures**

Not Available

**9. Physical and chemical properties**

**9.1 Information on physical and chemical properties**

Physical State Solid

Appearance: Powder, Bright Red

Odour: Not Available

Odour threshold: Not Available

pH: Not Available

Melting point/ range: Not Available

Boiling point/ range: Not Available

Flash point: Not Applicable

Evaporation rate: Not Available

Upper/lower flammability or explosive limits: Not Available

Vapour density: Not Available

Vapour pressure (20°C): Not Available

Density (20°C): Not Available



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Water solubility: Insoluble  
Lipid solubility: Insoluble  
Partition coefficient (n-octanol/water): Not Available  
Auto-ignition temperature: Not Available  
Decomposition temperature: Not Available  
Viscosity (20°C): Not Available  
Explosive properties: ST0  
Oxidising properties: Not Available  
Flammability (Solid, Gas): Not Available  
Volatile Organic compounds - VOCs = Not Available

**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**

**11.1 Information on toxicological effects**

**Toxicological Information of the Substance**

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

**In case they have not been specified above, the following information should be considered as Not Available.**

a) acute toxicity



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- 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 product

No Data Available

### 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: -



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**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. 453/2010 (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**

Main bibliographic sources:



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ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

**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.