

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION of the SUBSTANCE/PREPARATION and COMPANY

Product Name : DecoFlake Champagne, Gold or Silver
 Mineral Name : Muscovite Mica
 CAS Number : 12001-26-2
 CTCN Number : 2525 2000
 Product type : Mineral Powder
 Supplier : Elpis Technologies, Inc.
 4520 E. Ashman Road
 Midland, MI 48642, USA
 Emergency Telephone : 866-643-5747
 HMIS Information : **H = 1, F = 0, R = 0, P = F**

2. Composition/Information on Ingredients

		Dust Exposure	
Limits		Total	Respirable
Chemical Name		OES 8hr TWA (mg/m ³)	OES 8hr TWA (mg/m ³)
Mica	approx. 98%	10	1
			MEL 8 hr TWA (mg/m ³)
Silica	approx. 1%		0.4

3. Health hazard identification

Routes of exposure : Inhalation
 Health Hazards :
 Symptoms of exposure (Acute effects) : None known
 Symptoms of exposure (Chronic effects) : Possible impairment of lung function after long term exposure to dust levels in excess of the OES-TWA
 Medical conditions : Any conditions aggravated by dust (e.g. asthma aggravated by exposure or pneumoconiosis)
 Known synergists : None known
 Explosion hazards : None
 Fire hazards : None
 Corrosion hazards : None

4. First aid measures

Skin contact : Wash thoroughly with soap and water
 Eye contact : Irrigate thoroughly with water
 Ingestion : No special requirements
 Inhalation : No special requirements
 Injection under pressure : Not applicable
 Antidote : Not applicable
 Advice to physicians : Not applicable

5. Fire Fighting Measures

Extinguishing media	:	
Special exposure hazard	:	Not applicable
Protective equipment	:	

6. Accidental Release Measures

Leaks and Spills	:	Vacuum spillages
Personal Protection	:	OSHA compliant dust masks; PVC Gloves

7. Handling and Storage

Handling precaution	:	Avoid generating dust
Storage precautions	:	No special precautions.
Shelf life	:	Indefinite

8. Exposure Controls/Personal Protection

Exposure controls	:	Engineering controls such as a closed system LEV should be used
Personal Protection	:	OSHA compliant dust masks; PVC Gloves

9. Physical and Chemical Properties

Appearance and odour	:	Colored flakes or powder, odor free
Boiling point °C	:	Not applicable
Melting range °C	:	Approximately 1300°C
Flash point °C	:	Not applicable
Flammability	:	Not applicable
Oxidising properties	:	None
Vapour pressure mPa	:	Not applicable
Density at 20°C (Kg/m ³)	:	Variable depending on grade
Solubility	:	Negligible
Specific gravity (Water = 1)	:	2.8
Evaporation Rate (Butylacetate = 1)	:	Zero
Partition coefficient (octan-1-ol/water)	:	Not applicable
pH value of 10% aqueous slurry	:	Not applicable, hydrophobic surface
Gross molecular formula	:	Variable
Viscosity	:	Not applicable
Explosion limited	:	Not applicable

10. Stability and Reactivity

Chemical stability	:	Excellent
Materials to avoid	:	None
Hazardous decomposition products	:	None
Hazardous polymerisation	:	Not applicable

11. Toxicological Information

Acute Toxicity

Oral LD ₅₀ (rat) (mg/kg)	:	Not known (but mica acts as an inert mineral
Dermal LD50 (rat) (mg/kg)	:	in acute toxicity tests)
Inhalation LC504hr(rat) (mg/l)	:	

Irritation to

Skin	:	No special irritation known
Eyes	:	No special irritation known
Respiratory	:	Chronic long term problems are possible
Sensitisation	:	None known

12. Ecological Information

Ecotoxicity	:	No information available, but since mica is a
stable, Persistence	:	insoluble material no ecological problem is
expected.	:	

13. Disposal Information

Containment Techniques	:	No special requirements
Clean-up procedures	:	Vacuum preferred but simpler methods are
acceptable	:	
Waste disposal	:	No special precautions necessary other than
	:	compliances with local regulations.

14. Transport Information

United Nations Number	:	
ADR/RID Class	:	
Packing Group	:	
IMDG Code	:	Not applicable
ICAO/IATA	:	
IMO SHIPPING name	:	
IATA Shipping name	:	
ADR Shipping name	:	
RID Shipping name	:	

15. Regulatory Information

(EEC regulatory information)	:	
EC Supply labelling	:	Not applicable, as materials are classified as
Label name	:	non-hazardous
Classification & Symbol	:	
Risk Phrases	:	
Safety Phrases	:	
FAO Hazard labelling	:	

OSHA Regulations

Air Contaminant	:	Not listed
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CONEG Regulations

Based on the information provided to Elpis Technologies by its suppliers, we certify that sum of the incidental concentration levels of lead, mercury, cadmium, and hexavalent chromium in these products is less than 100 parts per million by weight, and that in cases where said metals are present, such metals were not intentionally added during the manufacturing process.

TSCA

This substance or all of its components are on the Chemical Substances Inventory of the Toxic Substance Control Act (TSCA Inventory [USA]). Please note that this product is not subject to any legal reporting requirements under these acts.

International Regulations

Canadian DSL : Components of this product are listed on the Canadian Domestic Substances List.

European Community : Components of this product are listed on ECONIN, European Core Inventory (EC) market.

FDA

Based on the information available to Elpis Technologies, including information provided by material suppliers to Elpis Technologies, these products and their respective grades are considered FDA-compliant; Ref.: 21 CFR 175.300 and 178.3297.

16. Other Information

Technical contact point

Elpis Technologies Inc.
4520 E. Ashman Road, Midland, MI 48642

MSDS

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