

## MATERIAL SAFETY DATA SHEET

### 1. IDENTIFICATION of the SUBSTANCE/PREPARATION and COMPANY

Product Name : Specular  
 Mineral Name : Pigmented Mica  
 CTCN Number : 2525 2000  
 CAS Number : 12001-26-2  
 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 <sup>3</sup> )	OES 8hr TWA (mg/m <sup>3</sup> )
Mica	approx. 96%	10	1
		MEL 8 hr TWA (mg/m <sup>3</sup> )	
Silica	approx. 1%	0.4	

Proprietary Organic Surface Coating approximately 3%.

### 3. Health hazard identification

Routes of exposure : Inhalation  
 Health Hazards :  
 Symptoms of exposure : None known  
 (Acute effects)  
 Symptoms of exposure : Possible impairment of lung function after long  
 (Chronic effects) term exposure to dust levels over the OES-TWA  
 Medical conditions : Any conditions aggravated by dust (e.g. asthma  
 or pneumoconiosis)  
 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	:	Dust masks conforming to OSHA standards 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	:	Dust masks conforming to OSHA standards PVC Gloves

### 9. Physical and Chemical Properties

Appearance and odor	:	Colored flakes or powder, odor free
Boiling point °C	:	Not applicable
Melting range °C	:	Approximately 1300°C
Known synergists	:	None known
Flash point °C	:	Not applicable
Flammability	:	Not applicable
Oxidizing properties	:	None
Vapour pressure mPa	:	Not applicable
Density at 20°C (Kg/m <sup>3</sup> )	:	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

### 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 <sub>50</sub> (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
Sensitization	:	None known

## 12. Ecological Information

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

## 13. Disposal Information

Containment Techniques	:	No special requirements
Clean-up procedures acceptable	:	Vacuum preferred but simpler methods are
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
Label name	:	
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  
4520 E. Ashman rd, Midland, MI 48640

### **MSDS**

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