

# Show Case

# your products



# with pride

  
**sunrise**  
*The Mineral People ...*

“It is not in people,  
To command success.,  
but we will do more,  
We will DESERVE it.”

**Sunrise Group of Industries** are established manufacturer and processors of **MICRONISED MINERALS**. Formed in 1975, Sunrise Group of Industries always worked to built up the concept of using micronised extenders, through White Minerals. **Sunrise Group of Industries** always set standards in front of the competitors to deliver quality products of superior quality. To maintain the standards, we have state of art manufacturing facilities located in the **Lakecity Udaipur**.

Our inception has lead to dynamic creation of micronised minerals more suited to the current and future requirements of end user market. During the grinding process, onsite quality checks are conducted by drawing periodic samples to ensure consistency on various parameters by lab tests.

**Sunrise Group of Industries** supplies innovative products in the fields of functional filler and extenders. Our outstanding products quality is matched by our excellence in problem-solving capabilities and complete customer service.



## Calcium Carbonate ( $\text{CaCO}_3$ )

Calcium carbonate is a natural mineral, found in rock form, in Aravali hills near Udaipur, Rajasthan, in powder form it is extremely high whiteness, purity & free flowing in nature. Calcium Carbonate is used as filler in PLASTIC, PAINTS, PAPER & RUBBER INDUSTRIES.

We produce SUNRISE  $\text{CaCO}_3$  with micronised smooth texture and surface COATED with STEARIDES, The coated SUNRISE  $\text{CaCO}_3$  is used in Plastic compounds manufacturing to avoid moisture contains.

### Applications

#### Plastics

SUNRISE  $\text{CaCO}_3$  is used as a filler in rigid and plasticized PVC to improve impact strength. The effect that fillers produce over the properties of the PLASTICS, is highly depends on the particle size, the distribution of the union between the filler particle and the polymeric matrix.



#### Paints

SUNRISE  $\text{CaCO}_3$  is used as a white opacifying agent in EMULSION PAINTS, & as an antissetting agent in PAINTS & POWDER COATINGS.



## Rubber

**SUNRISE  $\text{CaCO}_3$**  is used as a reinforcing filler in natural & synthetic RUBBER for tyre & tube application to improve mechanical, rheological & optical properties. Application for the products range from Elastomers, Hoses, Seals, general molding to footwear.



## Chemical composition of **SUNRISE $\text{CaCO}_3$**

Color	Bright White
$\text{CaCO}_3$	94% to 98%
MgO	1.5% Maximum
Silica	1.0% Maximum
$\text{Fe}_2\text{O}_3$	0.01% Maximum

## Talc

TALC is a metamorphic hydrated magnesium silicate with soapy feel & pearly luster. It is resistance to heat, electricity & acids: its lamellar structure and the platyness give excellent opacity to the PLASTICS, PAINTS, COSMETICS & RUBBER PRODUCTS.

## Applications

### Plastics

**SUNRISE TALCS** are used in polypropylene, polyamides, cable PVC & other plastic compounds & thermosetting compounds.



## Paints

SUNRISE TALC are used in talcum powder to increase fluffiness, control absorption characteristics in depilatory creams & as a perfume carrier in face powder, body talc, also used as neutral shaping agent in toilet soap industries.



## Cosmetics

SUNRISE TALC is used in Toilet Soap manufacturing, Cosmetic industries in body talc as a perfume holding agent & Detergent manufacturing.



## Paper

SUNRISE TALC is used in three stages of paper making - as filler

- to control pitch and stickiest in paper coating.
- being hydrophobic it absorbs micro impurities during making process and avoiding clogging.
- high brightness of talc leads to reduction in uses of whitening agent and helps in controlling gloss.



## Chemical composition of SUNRISE TALC.

SiO <sub>2</sub>	60 - 62%
Al <sub>2</sub> O <sub>3</sub>	0.25 - 0.28%
MgO	30 - 33%
CaO	Less than 1%
Fe <sub>2</sub> O <sub>3</sub>	Less than 1%
LOI	4 to 5%

# Silica

**SUNRISE Silica** is a Acid, Heat & Chemical resistant with high dielectric strength. It is snow white in colour.

## Applications

### Paints & Powder Coating

Micronised ground Silica provide, paints more resistant to chemical attack because of it acid resistance. The scrubbing & wear resistance of the surface film also enhanced. The addition of micronised silica can also aid tint retention, durability & how ability to the end product.



### Plastics

The heat resistance, low thermal expansion, Chemical resistance & high dielectric strength of silica make it an excellent filler choice for a variety of thermoset plastic application. The narrow & consistent size distribution of SUNRISE silica allows for extremely high loading.



**SUNRISE silica** is an excellent semi - reinforcing filler. It's inert (without active properties) nature & high dielectric strength make it an excellent filler in electrical compounds. The constant PH & extremely small size distribution allow very high loading with minimum effect on viscosity & cure rate.



## Chemical Composition of SUNRISE Silica

SiO <sub>2</sub>	99.75%
MgCO <sub>3</sub>	0.01%
Fe <sub>2</sub> O <sub>3</sub>	0.04%
Al <sub>2</sub> O <sub>3</sub>	0.05%
LOI	0.09%

## Dolomite

**SUNRISE Dolomite** is a Calcium & Magnesium rich mineral, also found in rock form, in Arawali hills near Udaipur (Rajasthan).

### Applications

**SUNRISE Dolomite** is suitable for Plastics & Paints as filler, as shaping agent in Detergents Cakes, & as filler in Textile Industries.



### Chemical Composition of **SUNRISE Dolomite**

Color	Bright White
CaCO <sub>3</sub>	48% to 52%
MgO	33% to 39%
Silica	3% to 5%
Fe <sub>2</sub> O <sub>3</sub>	0.01% Maximum

## Sillimanite

**SUNRISE Sillimanite** is a polymorph with two other minerals; kyanite and andalusite. A polymorph is a mineral that shares the same chemistry but a different crystal structure with another, or other, minerals. Sillimanite is the rarest of the three trimorphs. A variety of sillimanite is called "fibrolite". It is a common fibrous massive form.



### Chemical Composition of **SUNRISE Sillimanite**

SiO <sub>2</sub>	50% to 54%
Al <sub>2</sub> O <sub>3</sub>	42% to 45%
MgO	1% Maximum
CaO	1% Maximum

SUNRISE Group of Industries has followed the trend towards the satisfaction of customers.

As we are aware of their precise demands. We believe in the principals of fairness in our dealings.

We have graciously engaged our selves in our work & earned a fair name.



## Sunrise Group of Industries

- Sunrise Minerals & Chemicals
- Sunrise Mineral Industries
- Shri Meghraj Enterprises
- Sunrise Marbles & Granites

**Office:**

E-141, Pratap Nagar,  
Udaipur 313002 (Rajasthan) INDIA  
Tel.: +91 294 2493306, Fax: +91 294 2491342

Email: [info@sunrisetalc.com](mailto:info@sunrisetalc.com) [stones@sunrisetalc.com](mailto:stones@sunrisetalc.com)

**Our US & Canada Associates:**

**NIKI-SASHA, INC**

23875-A, Madison Street  
Torrance - 90505, CALIFORNIA, USA  
Tel.: 310-791-5671, Fax: 310-791-5677  
Toll free No.: 888-791-5671

Email: [info@niki-sasha.com](mailto:info@niki-sasha.com) [anil@niki-sasha.com](mailto:anil@niki-sasha.com)

[www.sunrisetalc.com](http://www.sunrisetalc.com)

  
*The Mineral People ...*