# **Show Case**

your products



with pride



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 (Caco<sub>3</sub>)

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

We produce SUNRISE CaCO3 with micronised smooth texture and surface COATED with STEARIDES, The coated SUNRISE CaCO3 is used in Plastic compounds manufacturing to avoid moisture contains.

## **Applications**

#### **Plastics**

SUNRISE CaCO<sub>3</sub> 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  $CaCO_3$  is used as a white opacifying agent in EMULSION PAINTS, & as an antisetting agent in PAINTS & POWDER COATINGS.



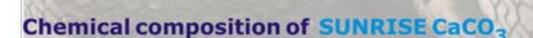


#### Rubber

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







Color	Bright White
CaCO3	94% to 98%
MgO	1.5% Maximum
Silica	1.0% Maximum
Fe2O3	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 increse 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.

SiO2	60 - 62%
Al203	0.25 - 0.28%
MgO	30 - 33%
CaO	Less than 1%
Fe2O3	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 and 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 coading 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 fille as shaping agent in Detergents Cakes, & as filler in Textil

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 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 anil@niki-sasha.com

www.sunrisetalc.com

