

# Safety Data Sheet

## Sicotan® Yellow K 2001 FG

Revision date : 2016/10/12

Version: 2.0

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(30054907/SDS\_GEN\_MX/EN)

### 1. Identification

#### Product identifier used on the label

#### Sicotan® Yellow K 2001 FG

#### Recommended use of the chemical and restriction on use

Recommended use\*: colourant(s)

Suitable for use in industrial sector: plastics processing industry

\* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

#### Details of the supplier of the safety data sheet

##### Company:

BASF Mexicana S.A. de C.V.  
Av. Insurgentes Sur 975  
Col. CD. De Los Deportes, C.P. 03710,  
MEXICO

Telephone: +52 55 5325 2600

#### Emergency telephone number

Tel.: +1-800-849-5204 or +1-833-229-1000  
CHEMTREC Int.: +1-703-527-3887

#### Other means of identification

|                    |                                               |
|--------------------|-----------------------------------------------|
| Molecular formula: | (Ti,Cr,Sb)O <sub>2</sub>                      |
| Chemical family:   | inorganic pigment                             |
| Synonyms:          | Titanium antimony chromium III dioxide rutile |

### 2. Hazards Identification

**According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

#### Classification of the product

No need for classification according to GHS criteria for this product.

#### Label elements

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The product does not require a hazard warning label in accordance with GHS criteria.

### Hazards not otherwise classified

No specific dangers known, if the regulations/notes for storage and handling are considered.

## 3. Composition / Information on Ingredients

**According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

| <u>CAS Number</u> | <u>Weight %</u>    | <u>Chemical name</u>                 |
|-------------------|--------------------|--------------------------------------|
| 68186-90-3        | >= 99.0 - < 100.0% | Chrome antimony titanium buff rutile |

## 4. First-Aid Measures

### Description of first aid measures

#### General advice:

Remove contaminated clothing.

#### If inhaled:

If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.

#### If on skin:

Wash thoroughly with soap and water.

If irritation develops, seek medical attention.

#### If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

If irritation develops, seek medical attention.

#### If swallowed:

Rinse mouth and then drink plenty of water. Do not induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Seek medical attention if necessary.

### Most important symptoms and effects, both acute and delayed

Symptoms: Further important symptoms and effects are so far not known.  
The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

### Indication of any immediate medical attention and special treatment needed

#### Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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### 5. Fire-Fighting Measures

#### Extinguishing media

Suitable extinguishing media:  
dry powder, foam

Unsuitable extinguishing media for safety reasons:  
carbon dioxide

#### Special hazards arising from the substance or mixture

Hazards during fire-fighting:  
harmful vapours

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

#### Advice for fire-fighters

Protective equipment for fire-fighting:  
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

#### Further information:

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

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### 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Use personal protective clothing.

#### Environmental precautions

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

#### Methods and material for containment and cleaning up

For small amounts: Pick up with suitable appliance and dispose of.  
For large amounts: Contain with dust binding material and dispose of.  
Avoid raising dust.

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### 7. Handling and Storage

#### Precautions for safe handling

Breathing must be protected when large quantities are decanted without local exhaust ventilation.

Protection against fire and explosion:  
No special precautions necessary.

#### Conditions for safe storage, including any incompatibilities

Further information on storage conditions: Keep container tightly closed.

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### 8. Exposure Controls/Personal Protection

#### Components with occupational exposure limits

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|                                      |                                                                |                                                                                       |
|--------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Chrome antimony titanium buff rutile | Exposure limits<br>NIOSH Pocket Guide to Chemical Hazards (US) | TWA value 0.5 mg/m <sup>3</sup> ;<br>REL value 0.5 mg/m <sup>3</sup> (Chromium (Cr)); |
|--------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------------|

### Personal protective equipment

#### **Respiratory protection:**

Suitable respiratory protection for higher concentrations or long-term effect: Particle filter with low efficiency for solid particles (e.g. EN 143 or 149, Type P1 or FFP1)

Wear a NIOSH-certified (or equivalent) particulate respirator.

#### **Hand protection:**

Chemical resistant protective gloves

#### **Eye protection:**

Safety glasses with side-shields.

#### **General safety and hygiene measures:**

Handle in accordance with good industrial hygiene and safety practice. Due to the colouring properties of the product closed work clothes should be used, to avoid stains during manipulation. Hands and/or face should be washed before breaks and at the end of the shift.

## 9. Physical and Chemical Properties

|                                                     |                                                                                                                                                |                     |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Form:                                               | low dusting fine granules                                                                                                                      |                     |
| Odour:                                              | odourless                                                                                                                                      |                     |
| Odour threshold:                                    | No applicable information available.                                                                                                           |                     |
| Colour:                                             | yellow                                                                                                                                         |                     |
| pH value:                                           | 7 - 8<br>( 50 g/l, 20 °C)                                                                                                                      | (DIN EN ISO 787-9)  |
| Melting point:                                      | > 1,000 °C                                                                                                                                     |                     |
| Boiling point:                                      | not applicable                                                                                                                                 |                     |
| Flash point:                                        | not applicable, the product is a solid                                                                                                         |                     |
| Flammability:                                       | not flammable                                                                                                                                  |                     |
| Vapour pressure:                                    | not applicable                                                                                                                                 |                     |
| Density:                                            | 4 g/cm <sup>3</sup><br>( 20 °C)                                                                                                                | (DIN EN ISO 787-10) |
| Relative density:                                   | 4<br>( 20 °C)                                                                                                                                  |                     |
| Bulk density:                                       | approx. 600 kg/m <sup>3</sup>                                                                                                                  |                     |
| Vapour density:                                     | The product is a non-volatile solid.                                                                                                           |                     |
| Partitioning coefficient n-octanol/water (log Pow): | Study does not need to be conducted.                                                                                                           |                     |
| Thermal decomposition:                              | No decomposition if correctly stored and handled.                                                                                              |                     |
| Viscosity, dynamic:                                 | Study does not need to be conducted.                                                                                                           |                     |
| Particle size:                                      | D90 1.62 µm<br>The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. | (measured)          |
| Solubility in water:                                | insoluble                                                                                                                                      |                     |
| Solubility (quantitative):                          | insoluble                                                                                                                                      |                     |
| Evaporation rate:                                   | The product is a non-volatile solid.                                                                                                           |                     |

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### 10. Stability and Reactivity

#### Reactivity

Oxidizing properties:  
not fire-propagating

#### Chemical stability

The product is stable if stored and handled as prescribed/indicated.

#### Possibility of hazardous reactions

No hazardous reactions when stored and handled according to instructions.

#### Conditions to avoid

Avoid dust formation. Avoid deposition of dust. See MSDS section 7 - Handling and storage.

#### Incompatible materials

No substances known that should be avoided.

#### Hazardous decomposition products

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:

No decomposition if correctly stored and handled.

### 11. Toxicological information

#### Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

#### Acute Toxicity/Effects

##### Oral

Type of value: LD50

Species: rat (male/female)

Value: > 10,000 mg/kg (OECD Guideline 401)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

##### Inhalation

Type of value: LC50

Study scientifically not justified.

##### Dermal

Type of value: LD50

Study scientifically not justified.

##### Assessment other acute effects

Assessment of STOT single:

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Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

### Irritation / corrosion

Assessment of irritating effects: Not irritating to the eyes. Not irritating to the skin.

### Skin

Species: rabbit

Result: non-irritant

Method: Draize test

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### Eye

Species: rabbit

Result: non-irritant

Method: other

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### Sensitization

Assessment of sensitization: Study scientifically not justified.

No data available.

### Aspiration Hazard

No aspiration hazard expected.

## Chronic Toxicity/Effects

### Repeated dose toxicity

Assessment of repeated dose toxicity: Repeated oral uptake of the substance did not cause substance-related effects. The substance is inert. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### Genetic toxicity

Assessment of mutagenicity: No mutagenic effect was found in various tests with bacteria and mammalian cell culture. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### Carcinogenicity

Assessment of carcinogenicity: Study not necessary due to exposure considerations. The substance is inert.

None of the components in this product at concentrations greater than 0.1% are listed by IARC; NTP, OSHA or ACGIH as a carcinogen.

### Reproductive toxicity

Assessment of reproduction toxicity: The results of animal studies gave no indication of a fertility impairing effect. The substance is inert. The product has not been fully tested. The statements have been derived in parts from products of a similar structure or composition.

### Teratogenicity

Assessment of teratogenicity: No indications of a developmental toxic / teratogenic effect were seen in animal studies. The substance is inert. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### Other Information

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The product is insoluble in acids or alkalies.

### Symptoms of Exposure

Further important symptoms and effects are so far not known.  
The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

## 12. Ecological Information

### Toxicity

#### Aquatic toxicity

##### Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

#### Toxicity to fish

LC50 (96 h) > 10,000 mg/l, *Leuciscus idus* (DIN 38412 Part 15, static)

The details of the toxic effect relate to the nominal concentration. Tested above maximum solubility.

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

#### Aquatic invertebrates

EC50 (48 h) > 100 mg/l, *Daphnia magna* (OECD Guideline 202, part 1, static)

The product has low solubility in the test medium. An eluate has been tested. The details of the toxic effect relate to the nominal concentration. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

#### Aquatic plants

EC50 (72 h) > 100 mg/l (growth rate), *Scenedesmus subspicatus* (OECD Guideline 201, static)

The product has low solubility in the test medium. An eluate has been tested. The details of the toxic effect relate to the nominal concentration. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

#### Chronic toxicity to fish

Study scientifically not justified.

#### Chronic toxicity to aquatic invertebrates

Study scientifically not justified.

### Microorganisms/Effect on activated sludge

#### Toxicity to microorganisms

DIN 38412 Part 27 (draft) aerobic

bacterium/EC10 (30 h): > 10,000 mg/l

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### Persistence and degradability

#### Assessment biodegradation and elimination (H<sub>2</sub>O)

Inorganic product which cannot be eliminated from water by biological purification processes. The colourant is insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plant

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### Elimination information

Study technically not feasible.

### Assessment of stability in water

According to structural properties, hydrolysis is not expected/probable.

### Information on Stability in Water (Hydrolysis)

Study scientifically not justified.

## Bioaccumulative potential

### Assessment bioaccumulation potential

The product will not be readily bioavailable due to its consistency and insolubility in water.

## Mobility in soil

### Assessment transport between environmental compartments

Adsorption to solid soil phase is not expected.

## Additional information

Adsorbable organically-bound halogen (AOX):

This product contains no organically-bound halogen.

Other ecotoxicological advice:

Do not discharge product into the environment without control.

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## 13. Disposal considerations

### **Waste disposal of substance:**

Dispose of in accordance with national, state and local regulations. Disposal requirements are dependent on the hazard classification and will vary by location and the type of disposal selected. This product does not possess any of the four identifying characteristics of hazardous waste (ignitability, corrosivity, reactivity, or toxicity).

### **Container disposal:**

Uncontaminated packaging can be re-used. Packs that cannot be cleaned should be disposed of in the same manner as the contents.

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## 14. Transport Information

### **Land transport**

TDG

Not classified as a dangerous good under transport regulations

### **Sea transport**

IMDG

Not classified as a dangerous good under transport regulations

### **Air transport**

IATA/ICAO



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Not classified as a dangerous good under transport regulations

### 15. Regulatory Information

#### Federal Regulations

Not applicable

#### **NFPA Hazard codes:**

Health : 1      Fire: 0      Reactivity: 0      Special:

### 16. Other Information

#### **SDS Prepared by:**

BASF NA Product Regulations

SDS Prepared on: 2016/10/12

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