

**PURABYK-P 5541 SATIN**

Product code: 000000000000139368

Version 1.0 SDS\_APJ\_MY

Revision Date 03.04.2024

Print Date 05.01.2026

**SECTION 1: Identification of the hazardous chemical and of the supplier****Product identifier**

Product name : PURABYK-P 5541 SATIN

Recommended use : Rheology Additive

**Manufacturer or supplier's details**

Company : BYK USA LLC

Address : South Cherry Street 524  
06492 Wallingford

Telephone : +1 203-265-2086

Telefax :

E-mail address : BRIEF.BYK.NAFTA@altana.com

Emergency telephone number : +60 3 6207 4347 (Malay and English)  
+65 3158 1074 (All languages)**SECTION 2: Hazards identification****Classification of the hazardous chemical**

Carcinogenicity : Category 1A

**Label elements**

Hazard pictograms :



Signal word : Danger

Hazard statements : H350 May cause cancer.

Precautionary statements :

**Prevention:**

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P281 Use personal protective equipment as required.

**Response:**

P308 + P313 IF exposed or concerned: Get medical advice/attention.

**Storage:**

P405 Store locked up.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards which do not result in classification**

None known.

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**SECTION 3: Composition and information of the ingredients of the hazardous chemical**

Substance / Mixture : Substance  
Chemical nature : Natural phyllosilicate

**Components**

| Chemical name              | CAS-No.    | Concentration (% w/w) |
|----------------------------|------------|-----------------------|
| Quartz (SiO <sub>2</sub> ) | 14808-60-7 | >= 0.5 -< 1           |

**SECTION 4: First aid measures**

General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.

If inhaled : If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.

In case of eye contact : Flush eyes with water as a precaution.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.

If swallowed : Induce vomiting immediately and call a physician.  
Keep respiratory tract clear.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed : No information available.  
No information available.

Notes to physician : No information available.

**SECTION 5: Firefighting measures****Extinguishing media**

Suitable extinguishing media : Foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical

Unsuitable extinguishing media : High volume water jet

**Physicochemical hazards arising from the chemical**

Specific hazards during firefighting : The product itself does not burn.

Hazardous combustion products : No hazardous combustion products are known

**Special protective equipment and precautions for fire-fighters**

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Specific extinguishing : Standard procedure for chemical fires.

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methods

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**SECTION 6: Accidental release measures**Personal precautions,  
protective equipment and  
emergency procedures: Use personal protective equipment.  
Avoid dust formation.  
Avoid breathing dust.

Environmental precautions

: Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform  
respective authorities.Methods and materials for  
containment and cleaning up

: Keep in suitable, closed containers for disposal.

**SECTION 7: Handling and storage****Handling****Precautions for safe handling**Advice on protection against  
fire and explosion: Avoid dust formation.  
Provide appropriate exhaust ventilation at places where dust  
is formed.

Advice on safe handling

: Avoid formation of respirable particles.  
Do not breathe vapours/dust.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the  
application area.  
Dispose of rinse water in accordance with local and national  
regulations.**Storage****Conditions for safe storage, including any incompatibilities**

Conditions for safe storage

: Keep container tightly closed in a dry and well-ventilated  
place.  
Observe label precautions.  
Electrical installations / working materials must comply with  
the technological safety standards.Further information on  
storage stability: Keep in a dry place.  
No decomposition if stored and applied as directed.**SECTION 8: Exposure controls and personal protection****Control parameters**

| Components                 | CAS-No.    | Value type<br>(Form of<br>exposure) | Control<br>parameters /<br>Permissible<br>concentration | Basis  |
|----------------------------|------------|-------------------------------------|---------------------------------------------------------|--------|
| Quartz (SiO <sub>2</sub> ) | 14808-60-7 | TWA                                 | 0.1 mg/m <sup>3</sup>                                   | MY PEL |

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|  |  |                           |                      |       |
|--|--|---------------------------|----------------------|-------|
|  |  | (Respirable fraction)     |                      |       |
|  |  | TWA (Respirable fraction) | 0.025 mg/m3 (Silica) | ACGIH |

**Individual protection measures, such as personal protective equipment (PPE)**

|                        |   |                                                                                                                                                                          |
|------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eye/face protection    | : | Eye wash bottle with pure water<br>Tightly fitting safety goggles                                                                                                        |
| Skin protection        | : | Dust impervious protective suit<br>Choose body protection according to the amount and concentration of the dangerous substance at the work place.                        |
| Hand protection        | : |                                                                                                                                                                          |
| Material               | : | Protective gloves                                                                                                                                                        |
| Remarks                | : | Wear suitable gloves.                                                                                                                                                    |
| Respiratory protection | : | In the case of dust or aerosol formation use respirator with an approved filter.<br>Dust safety masks are recommended when the dust concentration is more than 10 mg/m3. |
| Filter type            | : | Filter type P                                                                                                                                                            |
| Hygiene measures       | : | When using do not eat or drink.<br>When using do not smoke.<br>Wash hands before breaks and at the end of workday.                                                       |

**SECTION 9: Physical and chemical properties**

|                                                  |   |                                                      |
|--------------------------------------------------|---|------------------------------------------------------|
| Appearance                                       | : | powder                                               |
| Colour                                           | : | off-white                                            |
| Odour                                            | : | odourless                                            |
| pH                                               | : | 7.0 - 8.5<br>Concentration: 2 %<br>(as a dispersion) |
| Melting point/range                              | : | Not applicable                                       |
| Boiling point/boiling range                      | : | Not applicable                                       |
| Flash point                                      | : | Not applicable                                       |
| Flammability (solid, gas)                        | : | Does not sustain combustion.                         |
| Upper explosion limit / Upper flammability limit | : | Not applicable                                       |
| Lower explosion limit / Lower flammability limit | : | Not applicable                                       |
| Vapour pressure                                  | : | Not applicable                                       |
| Density                                          | : | 2.6 g/cm3 (20 °C, 1,013 hPa)                         |

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|                              |                  |
|------------------------------|------------------|
| Solubility(ies)              |                  |
| Water solubility             | : insoluble      |
| Solubility in other solvents | : insoluble      |
| Auto-ignition temperature    | : Not applicable |
| Decomposition temperature    | : Not applicable |
| Viscosity                    |                  |
| Viscosity, dynamic           | : Not applicable |
| Viscosity, kinematic         | : Not applicable |

**SECTION 10: Stability and reactivity**

|                                    |                                                                                                 |
|------------------------------------|-------------------------------------------------------------------------------------------------|
| Reactivity                         | : Not classified as a reactivity hazard.<br>No decomposition if stored and applied as directed. |
| Chemical stability                 | : No decomposition if stored and applied as directed.                                           |
| Possibility of hazardous reactions | : No decomposition if stored and applied as directed.                                           |
| Conditions to avoid                | : None known.                                                                                   |
| Incompatible materials             | : None known.                                                                                   |
| Hazardous decomposition products   | : No decomposition if stored and applied as directed.                                           |

**SECTION 11: Toxicological information**

Information on likely routes of exposure : None known.

**Acute toxicity****Product:**

Acute oral toxicity : Remarks: No data available

**Skin corrosion/irritation****Product:**

Remarks : No data available

**Serious eye damage/eye irritation****Product:**

Remarks : No data available

**Respiratory or skin sensitisation****Product:**

Remarks : No data available

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**Repeated dose toxicity****Product:**

Remarks : No data available

**Further information****Product:**

Remarks : No data available

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**SECTION 12: Ecological information****Ecotoxicity****Product:**Toxicity to fish :  
Remarks: No data availableToxicity to daphnia and other :  
aquatic invertebrates Remarks: No data available**Persistence and degradability****Product:**

Biodegradability : Remarks: No data available

**Bioaccumulative potential****Product:**

Bioaccumulation : Remarks: No data available

**Mobility in soil**

No data available

**Other adverse effects****Product:**Additional ecological :  
information No data available

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**SECTION 13: Disposal information****Disposal methods**

Waste from residues : Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with  
chemical or used container.  
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.

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**SECTION 14: Transport information****International Regulations****UNRTDG**

|                      |   |                |
|----------------------|---|----------------|
| UN number            | : | Not applicable |
| Proper shipping name | : | Not applicable |
| Class                | : | Not applicable |
| Subsidiary risk      | : | Not applicable |
| Packing group        | : | Not applicable |
| Labels               | : | Not applicable |

**IATA-DGR**

|                                          |   |                |
|------------------------------------------|---|----------------|
| UN/ID No.                                | : | Not applicable |
| Proper shipping name                     | : | Not applicable |
| Class                                    | : | Not applicable |
| Subsidiary risk                          | : | Not applicable |
| Packing group                            | : | Not applicable |
| Labels                                   | : | Not applicable |
| Packing instruction (cargo aircraft)     | : | Not applicable |
| Packing instruction (passenger aircraft) | : | Not applicable |

**IMDG-Code**

|                      |   |                |
|----------------------|---|----------------|
| UN number            | : | Not applicable |
| Proper shipping name | : | Not applicable |
| Class                | : | Not applicable |
| Subsidiary risk      | : | Not applicable |
| Packing group        | : | Not applicable |
| Labels               | : | Not applicable |
| EmS Code             | : | Not applicable |
| Marine pollutant     | : | Not applicable |

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**Special precautions for user**

Not applicable

**SECTION 15: Regulatory information****Safety, health, and environmental regulations specific for the hazardous chemical**

Occupational Safety and Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013.

Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health) Regulations 2000.

**SECTION 16: Other information**

Date format : dd.mm.yyyy

**Full text of other abbreviations**

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|              |   |                                                                                                                             |
|--------------|---|-----------------------------------------------------------------------------------------------------------------------------|
| ACGIH        | : | USA. ACGIH Threshold Limit Values (TLV)                                                                                     |
| MY PEL       | : | Malaysia. Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health) Regulations 2000. |
| ACGIH / TWA  | : | 8-hour, time-weighted average                                                                                               |
| MY PEL / TWA | : | Eight-hour time-weighted average airborne concentration                                                                     |

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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