

Safety Data Sheet

Compliant with the GHS (Globally Harmonized System of Classification and Labelling of Chemicals)

In accordance with Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) 2020/878, and Regulation (EC) No. 1272/2008 (CLP)

PRODUCT: SELENIZZA® COL AS03

Version: EU 1.2

Revision date: 10 August 2026

Supersedes SDS dated: November 24, 2025

SELENIZZA® est une marque enregistrée et protégée MUE 004613162 EUIPO Tonnel Creation Inc.

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

- **Product name:** SELENIZZA® COL AS03
- **Substance name:** Natural Asphalt
- **Synonyms:** natural asphalt, asphaltite, Gilsonite, uintaite, natural bitumen, mineral rubber
- **CAS No.:** 12002-43-6
- **EC No.:** 601-660-8
- **UFI:** Not applicable
- **Product form:** Solid, supplied as ground material
- **Commercial particle sizes:**
 - Mesh 05
 - Mesh 20

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses:

- Additive to improve the performance of bituminous mixtures
- Additive for bituminous formulations
- Additive for drilling mud fluids
- Additive for oil well cementing
- Additive for foundry sands
- Component/additive for paints and varnishes
- Additive/wetting agent for black inks
- Component of asphalt formulations

Uses advised against:

No specific uses are advised against when the product is handled in accordance with this SDS and the applicable technical instructions.

1.3 Details of the supplier of the safety data sheet

Manufacturer / Supplier:

Aventura Services Inc. 3625 North Country Club Drive, Suite 1508 Aventura, Florida 33180 – United States
Phone: +1 786 321 4572 E-mail: info@aventuraservices.com

Importer / EU Responsible Person:

Pascal International Consulting SAS 26 Rue George Sand – 75016 Paris – France.

Phone: +33 (0) 680 07 57 43 E-mail: p.pascal@selenizza.com

1.4 Emergency phone number

Pascal International Consulting: +33 (0) 680 07 57 43 Disponible: de 8h00 à 18h00, business days Languages: English/ French

Outside these hours, contact the official emergency information service of the country where the substance is placed on the market.

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP), as amended:

- **Not classified as hazardous.**

No harmonized EU classification has been identified for CAS 12002-43-6 / EC 601-660-8.

The available information does not support classifying SELENIZZA® COL AS03 as:

- **Eye irritation, Category 2 (H319)**
- **Specific target organ toxicity – single exposure, category 3 (H335)**

The classification is based on:

- Substance-specific data
- Substance identity information
- Available European SDSs for Gilsonite
- The US SDS for CAS No. 12002-43-6
- Identified toxicological data

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 (CLP):

- **Hazard pictograms: None**

- **Signal word:** None
- **Hazard statements:** None
- **Precautionary statements:** None required for a substance not classified as hazardous.

2.3 Other hazards

- Dust generated during grinding, handling or processing may form an explosive dust-air mixture if dispersed in the presence of an ignition source.
- Dust deposits should be avoided on equipment, floors and surfaces.
- Dry powder may accumulate electrostatic charges during transfer or mixing. Appropriate grounding, equipotential bonding, ventilation and dust control measures must be implemented in accordance with the site's risk assessment.
- The available information does not indicate that the substance meets the PBT or vPvB criteria.
- No information indicates endocrine-disrupting properties according to the applicable European criteria.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

Substance identity

- **Product name:** SELENIZZA® COL AS03
- **Substance name:** Natural Asphalt / Asphaltite / Gilsonite / Uintaite
- **CAS No.:** 12002-43-6
- **EC No.:** 601-660-8
- **Substance type:** Naturally occurring substance

Origin and process

SELENIZZA® COL AS03 is extracted directly from a natural asphalt deposit in Colombia. The process consists solely of mechanical grinding to obtain the specified commercial particle sizes.

No chemical operation is carried out:

- No chemical modification
- No chemical treatment
- No solvent treatment
- No drying
- No additives, stabilizers or processing agents are intentionally added
- No chemical substance is added during the process

Typical analytical specifications

Physicochemical properties

Property	Typical value	Method
Ash content	0,51 %	ASTM D3174
Moisture	0,86 %	ASTM D3302
Softening point	175 °C	ASTM D36
Specific gravity	1,02	ASTM D3289
Solubility in trichloroethylene	98,99 %	ASTM D3175

Asphaltic matter	95,93 %	TGA
Fixed carbon	25,04 %	PRI
Sulfur	1,01 %	IS 1350 Part III

SARA analysis

Fraction	Typical value
Asphaltenes	46,991 %
Polar resins	41,502 %
Aromatics	11,507 %

This SARA analysis constitutes an analytical characterization of natural material. It does not represent a list of distinct regulatory ingredients.

Impurities and additives

- No additives, stabilizers or processing agents are intentionally added.
- Naturally occurring mineral or organic constituents may be present as inherent components of the natural material.

SECTION 4: FIRST AID

4.1 Description of first aid measures

General information

If symptoms occur or persist, seek medical advice.

Inhalation

- Move the person to fresh air.
- Keep the person in a comfortable position for breathing.
- If coughing, respiratory irritation, discomfort or breathing difficulties persist, seek medical advice.

Eye contact

- Rinse cautiously with water for several minutes.
- Remove contact lenses, if present and easy to do.
- Continue rinsing.
- Consult a physician if irritation persists.

Skin contact

- Remove contaminated clothing.
- Wash skin thoroughly with soap and water.
- Consult un médecin si une irritation ou un inconfort persiste.

Ingestion

- Rinse mouth with water.

- Do not induce vomiting unless instructed by a healthcare professional.
- If you feel unwell, seek medical advice.

Protection of first aiders

- Avoid generating or inhaling dust.
- Use appropriate personal protective equipment where exposure is possible.

4.2 Main symptoms and effects, acute and delayed

- Inhalation of dust may cause mechanical irritation of the respiratory tract.
- Eye contact with dust may cause mechanical irritation.
- Symptoms possibles:
 - Cough
 - Difficulty breathing
 - Eye redness
 - Tearing
 - Eye discomfort
- Ingestion may cause gastrointestinal discomfort.

4.3 Indication of immediate medical attention and special treatment

- Symptomatic treatment.
- No specific antidote is known.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

- Dry powder
- Foam
- Carbon dioxide (CO₂)
- - Water spray → Select based on the surrounding fire.

Unsuitable extinguishing media

- - High-pressure water jets or solid water streams, which may disperse combustible dust

5.2 Special hazards arising from the substance or mixture

- The product is combustible.
- Fine dust dispersed in the air may form a combustible dust-air mixture in the presence of an ignition source.
- Dust deposits may present an explosion hazard if they become airborne again.

Possible hazardous combustion products:

- Carbon monoxide (CO)
- Carbon dioxide (CO₂)
- Nitrogen oxides (NO_x)
- Other products of incomplete combustion

5.3 Advice for firefighters

- Use self-contained breathing apparatus and appropriate protective equipment.
- Avoid generating or dispersing dust clouds.
- Eliminate ignition sources whenever this can be done safely.
- Prevent the accumulation and uncontrolled dispersion of dust.
- Prevent contaminated firefighting water from entering sewer systems, surface waters, or watercourses.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

- Avoid generating airborne dust.
- Avoid inhaling dust.
- Avoid contact with eyes.
- Ensure adequate ventilation.
- Eliminate ignition sources.
- Prevent dust accumulation.
- Use appropriate personal protective equipment.
- Keep unprotected personnel away from the spill area.

When combustible dust may be present, use appropriate equipment and procedures to minimize the risks of ignition and dispersion.

6.2 Environmental precautions

- Prevent the product from entering sewer systems, surface water, groundwater, or watercourses.

6.3 Methods and materials for containment and cleaning up

- Avoid dry sweeping, which may generate airborne dust.
- Where possible, recover the product using an industrial vacuum suitable for combustible dust environments, or another method that minimizes dust generation.
- Use explosion-proof / non-sparking tools where necessary.
- Place the recovered material in suitable, labeled containers.
- Do not use compressed air for cleaning unless the equipment is specifically designed for combustible dust environments.
- Dispose of the product in accordance with Section 13 and applicable legislation.

6.4 Reference to other sections

- Section 8: Exposure controls / Personal protection
- Section 13: Disposal considerations

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

- Avoid generating airborne dust.
- Avoid inhaling dust.
- Avoid contact with eyes.
- Ensure adequate general ventilation and, where dust may be generated, appropriate local exhaust ventilation.
- Minimize dust generation and accumulation.
- Keep the product away from heat, sparks, flames, and all sources of ignition.
- Prevent dust accumulation on equipment, floors, and surfaces.
- Dry powder may accumulate electrostatic charges during transfer or mixing. Implement grounding and equipotential bonding measures where required by the site's risk assessment.
- Where combustible dust may be generated, handling and ventilation systems should be evaluated to determine the need for explosion protection.
- Wash hands thoroughly after handling.
- Do not eat, drink, or smoke while handling the product.

7.2 Conditions for safe storage, including any incompatibilities

- Store in a cool, dry, and well-ventilated place.
- Protect from moisture.
- Keep away from heat, sparks, flames, and all sources of ignition.
- Keep the packaging properly closed when not in use.
- Prevent dust accumulation in the storage area.
- Store in the original packaging or in a properly labeled container.

Incompatible materials

- **Strong oxidizing agents**

7.3 Specific end uses

See Section 1.2 for identified uses.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

- No specific EU occupational exposure limit (OEL) has been identified for natural asphalt / Gilsonite (CAS 12002-43-6).
- OELs listed in US or Canadian SDSs are not European OELs and must not be used as such.
- Exposure to airborne dust must be minimized.
- National occupational exposure limits must be considered by the employer and the occupational health service in the country where the substance is used.

DNEL (Derived No-Effect Level)

- No DNEL established.

PNEC (Predicted No-Effect Concentration)

- No PNEC was established.

8.2 Exposure controls

Engineering controls

- Use local exhaust ventilation, process containment, and other engineering measures to reduce dust exposure.
- Ensure adequate general ventilation.
- Where combustible dust may be generated, ventilation and handling systems must be evaluated to determine the need for explosion protection.

Eye / face protection

- Safety glasses with side shields or suitable protective goggles.

Hand protection

- Protective gloves suitable for the handling conditions.
- In cases of prolonged or intensive contact, select gloves based on actual exposure conditions and the manufacturer's data.

Respiratory protection

- Where dust exposure cannot be adequately controlled by engineering measures, use appropriate respiratory protection, selected based on:
 - The measured concentration.
 - The site's risk assessment.

Environmental controls

- Prevent any uncontrolled release into sewer systems, surface water, or watercourses.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- **Physical state:** Solid
- **Form:** Ground material / powder
- **Color:** Black
- **Odor:** None to slight
- **Odor threshold:** Not available

Thermal properties

- **Melting point / freezing point:** Not determined
- **Softening point:** 175 °C (method ASTM D36)
- **Initial boiling point / boiling range:** Not available

Flammability

- Flammability: Combustible material.
- Fine dust may form an explosive dust-air mixture under suitable conditions.

Explosive limits

- Lower / upper explosion limits: No specific values available for SELENIZZA® COL AS03.

Flash point

- **315 °C**
- Test method: Not specified in the information provided.

Characteristic temperatures

- Auto-ignition temperature: No reliable value available.
- Decomposition temperature: No reliable value available.

General physicochemical properties

- pH: Not applicable (solid substance).
- Kinematic viscosity: Not applicable (solid substance).
- Water solubility: Insoluble.
- Solubility in trichloroethylene: 98.99% (ASTM D3175).
- Partition coefficient n-octanol/water (log Kow): Not available (insoluble in the solvents required for measurement).
- Vapour pressure: Not applicable / negligible under ambient conditions.
- Density / relative density: Specific gravity 1.02 (ASTM D3289).
- Relative vapors density: Not applicable.

Particle characteristics

- Mechanically ground solid.
- Commercial particle sizes: Mesh 05 and Mesh 20.
- The product is obtained by mechanical grinding; it contains no nanomaterials and is not manufactured as a nanomaterial.

9.2 Other information

Typical analytical properties

- Ash content: 0,51 %
- Humidity: 0,86 %
- Softening point: 175 °C
- Specific gravity: 1,02
- Solubility in trichloroethylene: 98,99 %
- Asphaltic matter: 95,93 %
- Fixed carbon: 25,04 %
- Sulfur: 1,01 %

Composition SARA

- Asphaltenes: 46,991 %
- Polar resins: 41,502 %
- Aromatics: 11,507 %

Dust explosibility

- Dust generated during grinding or handling may present a combustible dust hazard.
- No specific data are available for:
 - MEC (Minimum Explosible Concentration)
 - MIE (Minimum Ignition Energy)
 - MIT (Minimum Ignition Temperature)
 - Kst (deflagration index)
 - Pmax (maximum explosion pressure)
- Available external data for Gilsonite are contradictory, and no numerical values have been assigned in this SDS.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

- The substance is not considered reactive under normal storage and use conditions.
- Fine dust dispersed in the air may present a combustible dust hazard.

10.2 Chemical stability

- The product is stable under recommended handling and storage conditions.

10.3 Possibility of hazardous reactions

- No hazardous reactions are expected under normal conditions of use and storage.

10.4 Conditions to avoid

Avoid:

- excessive heat
- sparks
- flames
- sources of ignition
- excessive dust generation
- dust accumulation
- uncontrolled dust dispersion

10.5 Incompatible materials

- **Strong oxidizing agents**

10.6 Hazardous decomposition products

In the event of fire or severe thermal decomposition, combustion products may be generated, including:

- Carbon monoxide (CO)
- Carbon dioxide (CO₂)

- Nitrogen oxides (NO_x)
- Other products of incomplete combustion

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Substances — Information on hazard classes as defined in Regulation (EC) No 1272/2008

The information below considers available data for natural asphalt / Gilsonite / Uintaite (CAS 12002-43-6), as well as product-specific data for SELENIZZA® COL AS03.

Acute toxicity

- Oral: No reliable product-specific quantitative data available.
- Dermal: No reliable product-specific quantitative data available.
- Inhalation: No reliable product-specific quantitative data available.

Skin corrosion / irritation

- No reliable study identified.
- Available data do not support classifying the substance as corrosive or irritating to the skin under CLP.

Serious eye damage / eye irritation

- Dust may cause mechanical irritation to the eyes.
- No reliable study identified.
- Available data do not support classifying the substance as irritating to the eyes (Eye Irrit. 2).

Respiratory or skin sensitization

- Insufficient evidence to classify the substance as a respiratory or skin sensitiser.

Germ cell mutagenicity

- A bacterial reverse mutation (Ames) test for Gilsonite (CAS 12002-436) is reported as negative (source: US National Toxicology Program).

Carcinogenicity

- No adequate study identified.
- The US National Toxicology Program does not report a Technical Report for this substance.
- Insufficient evidence to support classification under CLP.

Reproductive toxicity

- No reliable data available to support classification.

Specific target organ toxicity — single exposure (STOT SE)

- Available data do not support classification as STOT SE 3.
- Dust exposure may cause mechanical irritation of the respiratory tract.

Specific target organ toxicity — repeated exposure (STOT RE)

Insufficient evidence to support classification.

Aspiration hazard

- The product is a solid.
- Classification for aspiration hazard is not indicated.

11.2 Information on other hazards

11.2.1 Endocrine-disrupting properties

The substance is not identified as perturbateur endocrinien pour la santé humaine selon les critères du Règlement (UE) 2017/2100 ou du Règlement (UE) 2018/605.

11.2.2 Other information

- The toxicological database is limited.
- Exposure to dust should be minimized through appropriate control measures.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

The available data concern Gilsonite / Uintaite (CAS 12002-43-6), a substance identical to SELENIZZA® COL AS03.

Fish

- LC50 (96 h), *Cyprinodon variegatus*: > 1,000 mg/L
- NOEC (21 days): > 1,000 mg/L

Crustaceans

- EC50 (48 h), *Acartia tonsa*: > 1,000 mg/L
- NOEC (21 days): > 20,102 mg/L

Algae

- EC50 (72/96 h), *Skeletonema pseudocostatum*: > 1,500 mg/L
- NOEC: > 1,500 mg/L

No aquatic toxicity classification is assigned based on the available data.

12.2 Persistence and degradability

Available data indicate that the substance does not biodegrade under the conditions of the OECD 306 test.

The material is therefore described as non-biodegradable according to the available sources.

12.3 Bioaccumulative potential

- Available data indicate that bioaccumulation is not expected.
- No reliable log Kow value is available, as the substance is insufficiently soluble in water and n-octanol for conventional measurement.

12.4 Mobility in soil

- No reliable product-specific data are available.

12.5 Results of PBT and vPvB assessment

- No formal assessment has been conducted by Aventura Services Inc.
- Based on the available information, there is no evidence to conclude that the substance meets the PBT or vPvB criteria.

12.6 Endocrine disrupting properties

- The substance is not identified as an environmental endocrine disruptor according to the criteria of Regulation (EU) 2017/2100 or Regulation (EU) 2018/605.

12.7 Other adverse effects

- No specific reliable information indicates any other adverse environmental effects.
- Prevent any uncontrolled release into sewage systems, surface water, or watercourses

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

- Waste classification must be determined according to the origin, composition, and actual characteristics of the waste, in accordance with applicable European and national legislation.
- Waste code 01 03 08 is not automatically assigned to the commercial product in this SDS, as classification depends on the specific circumstances of the waste.
- Do not discharge the product or contaminated materials into sewage systems or watercourses.
- When disposal is necessary, use an authorized waste management contractor, in accordance with applicable regulations.

Packaging

- Dispose of contaminated packaging in accordance with applicable local regulations.
- Where possible, recycle uncontaminated packaging.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number or ID number

- **ADR: Not applicable**
- **RID: Not applicable**
- **ADN: Not applicable**
- **IMDG: Not applicable**
- **ICAO/IATA: Not applicable**

The substance is not regulated as dangerous goods for transport.

14.2 UN proper shipping name

- **ADR/RID/ADN: Not regulated as a dangerous good**
- **IMDG: Not regulated as a dangerous good**
- **ICAO/IATA: Not regulated as a dangerous good**

14.3 Transport hazard class(es)

- **Not applicable**

14.4 Packing group

- **Not applicable**

14.5 Environmental hazards

- **ADR/RID/ADN: No**
- **IMDG: No**
- **ICAO/IATA: No**

14.6 Special precautions for user

- Avoid damaging the packaging.
- Prevent any uncontrolled spillage.
- Maintain suitable measures to limit dust generation and ignition sources during handling.

14.7 Transport in bulk according to IMO instruments

- **Not applicable**

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation (EC) No 1907/2006 (REACH)

- The substance is a naturally occurring material, mechanically extracted, without chemical modification.
- In accordance with Article 2(7)(b) of REACH, naturally occurring, non-chemically modified substances are exempt from registration.
- No REACH registration number is required.

Regulation (EC) No 1272/2008 (CLP)

- The substance is not classified as hazardous under CLP.
- No labeling elements are required.

Regulation (EU) 2019/1021 (POP)

- The substance is not listed as a persistent organic pollutant.

Regulation (EU) 2017/2100 and Regulation (EU) 2018/605 (Endocrine Disruptors)

- The substance is not identified as an endocrine disruptor.

Directive 2012/18/EU (SEVESO III)

- Not applicable: the substance is not classified in SEVESO hazard categories.

Directive 2011/65/EU (RoHS)

- Not applicable: the substance is not used in electrical or electronic equipment.

Directive 2012/19/EU (WEEE)

- Not applicable.

National regulations

National regulations may impose additional requirements regarding:

- Combustible dust management,
- Explosion prevention,
- Worker protection,
- Waste management.

The employer must comply with the national obligations of the country where the substance is placed on the market or used.

15.2 Chemical safety assessment

- No chemical safety assessment has been carried out for this substance.
- Not required for natural substances exempt from REACH registration.

SECTION 16: OTHER INFORMATION

16.1 Information on revisions

This SDS was fully drafted in accordance with Regulation (EU) 2020/878. No previous version was provided by the manufacturer; this is a complete compilation based on:

- available analytical data,
- European regulatory information,
- identified toxicological and ecotoxicological data,

- international SDSs for Gilsonite (CAS 12002-43-6),
- EU compliance requirements.

16.2 Abbreviations and acronyms

- **ADR:** Agreement concerning the International Carriage of Dangerous Goods by Road
- **IMDG:** International Maritime Dangerous Goods Code
- **IATA:** International Air Transport Association
- **ICAO:** International Civil Aviation Organization
- **REACH:** Registration, Evaluation, Authorization and Restriction of Chemicals
- **CLP:** Classification, Labelling and Packaging
- **DNEL:** Derived No-Effect Level
- **PNEC:** Predicted No-Effect Concentration
- **LC50 / EC50 / NOEC:** Aquatic toxicity parameters
- **PBT / vPvB:** Persistent, Bioaccumulative and Toxic / very Persistent and very Bioaccumulative
- **SARA:** Saturates, Aromatics, Resins, Asphaltenes (petroleum fractionation method)

16.3 References

- Safety Data Sheets available for Gilsonite / Uintaite (CAS 12002-43-6)
- Analytical data provided by the manufacturer
- Regulation (EC) No 1907/2006 (REACH)
- Regulation (EC) No 1272/2008 (CLP)
- Regulation (EU) 2020/878
- European directives relating to transport (ADR, IMDG, IATA)
- Toxicological data published by recognized organizations (NTP, public sources)

16.4 Training advice

Appropriate training must be provided regarding:

- handling combustible dusts,
- explosion prevention measures,
- good ventilation and housekeeping practices,
- personal protective equipment.

16.5 Disclaimer

The information contained in this sheet is based on data available at the time of preparation. It describes the product solely about safety requirements. It does not constitute a guarantee of specific properties.

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