

Generic SDS — Vistamatt® Silica Matting Agents (All Grades)

CAS 7631-86-9 | EC 231-545-4 | SiO₂ | MW 60.08 | Compiled per GHS Rev.9 / OSHA HCS / EU CLP

Grade designation: grades are designated VS... (for example VS660, VS171S). This replaces the former Vista-... designation. Products, specifications and manufacturing are unchanged — VS660 is the grade formerly listed as Vista-660.

Section 1 • Identification

Product	Vistamatt® Silica Matting Agent (All Grades)	Chemical name	Silica, amorphous, precipitated and gel
CAS	7631-86-9 (also 112926-00-8)	EC (EINECS)	231-545-4
Manufacturer	Longyan Vista Chemical Co., Ltd., Longyan, Fujian, China	Brand	Vistamatt® www.vistamatt.com
Identified uses	Matting agent for coatings, inks, leather finishes, textile coatings, film anti-block	Contact	+1 619 558 6563 jackson@vistamatt.com

Section 2 • Hazards Identification

GHS classification (Rev.9 / OSHA HCS / CLP): **Not classified**. Pictogram: None. Signal word: None. Hazard statements: None. Supplemental: may form combustible dust concentrations in air — avoid dust generation, provide ventilation. PBT/vPvB: No. Dust explosion: not dust explosive (industry test method); suspended dust may present a hazard under certain conditions — see Sections 7 and 10.

Section 3 • Composition / Information on Ingredients

Component	CAS	EC	%	Classification
Silica, amorphous, precipitated and gel	7631-86-9	231-545-4	90–99	Not classified
Silicon dioxide, chemically prepared	112926-00-8	231-545-4	—	Not classified
Moisture (H ₂ O)	7732-18-5	—	≤6	—
Organic surface treatment (selected grades)	—	—	≤5	Not classified

Crystalline silica (quartz): <0.1 % (below XRD detectable limit; not intentionally added; periodically verified).

Section 4 • First Aid Measures

Inhalation: Move to fresh air. If irritation persists, consult a physician.

Skin: Wash with soap and water. Remove contaminated clothing.

Eyes: Rinse with plenty of water for ≥15 min, holding eyelids open. Remove contact lenses. Consult an ophthalmologist if discomfort persists.

Ingestion: Rinse mouth, drink plenty of water. Do NOT induce vomiting. Seek medical care if large amounts are swallowed.

Delayed effects: none known. Amorphous silica does not cause silicosis (associated with crystalline silica only).

Section 5 • Firefighting Measures

Extinguishing: water spray, foam, CO₂, dry powder — adapt to surroundings. Unsuitable: solid water stream (may scatter dust). Hazards: non-combustible; may release silicon oxides at very high temperatures. Firefighters: wear self-contained breathing apparatus.

Section 6 • Accidental Release Measures

Personal: avoid dust formation, use PPE, ensure ventilation. Environmental: prevent entry to sewage, soil and water bodies. Cleanup: sweep or HEPA-vacuum; avoid dry sweeping. Collect in a suitable container.

Section 7 • Handling and Storage

Handling: ensure adequate ventilation or local exhaust. Avoid dust formation. Take precautions against static discharge. No eating, drinking or smoking in work areas.

Storage: keep dry, in original unopened packaging, protected from moisture. Incompatibilities: strong oxidisers, strong acids and alkalis. Shelf life 12 months.

Section 8 · Exposure Controls / Personal Protection

Authority / basis	Limit	Averaging
OSHA (US) PNOR — total dust	15 mg/m ³	TWA 8 h
OSHA (US) PNOR — respirable	5 mg/m ³	TWA 8 h
ACGIH (US) PNOS — inhalable	10 mg/m ³	TWA 8 h
ACGIH (US) PNOS — respirable	3 mg/m ³	TWA 8 h
NIOSH (US) amorphous silica	6 mg/m ³	TWA 10 h
DFG (Germany) MAK, inhalable	4 mg/m ³	TWA 8 h

PPE: N95 particulate respirator (P100 for high dust), safety glasses with side shields (dust-tight goggles if dust present), cotton, leather or nitrile gloves, standard work clothing.

Section 9 · Physical and Chemical Properties

Appearance	White, fine powder	Relative density	~2.0 g/cm ³
Odour	Odourless	Bulk density	80–200 g/L (by grade)
pH	~6.0 (50 g/L, 20 °C)	Solubility in water	Insoluble
Melting point	~1,700 °C	Vapour pressure	Negligible at 20 °C
Flash point	Not applicable	Decomposition	>1,700 °C
Flammability	Non-flammable	Particle size (D50)	2.0–9.5 µm (see TDS)
Auto-ignition	Not applicable	Water hazard class (DE)	nwg (not hazardous)

Section 10 · Stability and Reactivity

Stability: chemically stable under recommended conditions. Reactivity: stable and non-reactive. Conditions to avoid: airborne dust clouds near ignition sources, moisture exposure. Incompatible: strong oxidisers, hydrofluoric acid (HF), strong alkalis. Hazardous decomposition: none under normal conditions; above 1,700 °C silicon oxides may form.

Section 11 · Toxicological Information

Acute toxicity (data from OECD SIDS for synthetic amorphous silica, CAS 7631-86-9):

- Oral LD50 >5,000 mg/kg (rat, OECD 401) — practically non-toxic
- Dermal LD50 >5,000 mg/kg (rabbit, OECD 402) — practically non-toxic
- Inhalation LC50 >2.08 mg/L/4h (rat, OECD 403) — low toxicity

Skin irritation: not irritating (rabbit, OECD 404). Eye: slight conjunctival redness, fully reversible within 24–72 h; product not classified overall (OECD 405). Sensitisation: not a skin or respiratory sensitiser. Carcinogenicity: amorphous silica is not classified by IARC; not listed by NTP or OSHA.

Section 12–14 · Ecological, Disposal and Transport Information

Ecotoxicity: not classified as hazardous to the aquatic environment. Not readily biodegradable (inorganic). Not bioaccumulative.

Disposal: dispose of in accordance with local, regional and national regulations; landfill of inert material is generally acceptable.

Transport: not classified as dangerous goods under ADR/RID/IMDG/IATA. No special packaging or labelling required. Not a marine pollutant.

Section 15 · Regulatory Information

Inventory	Status	Inventory	Status
TSCA (US)	Listed — Active	ENCS (Japan)	Listed (1-548)
DSL (Canada)	Listed	ECL (Korea)	Listed (KE-31032)
AICS (Australia)	Listed	PICCS (Philippines)	Listed
IECSC (China)	Listed	NZIoC (New Zealand)	Listed

US: OSHA HCS — not classified hazardous; CERCLA — not listed, no RQ; SARA 311/312 — no hazard categories; SARA 313 — not listed; TSCA §4/§5(a)(2)/§6 — no test rule, no SNUR, not High-Priority; §12(b) — no export notification. California Prop 65 — not listed.

EU: CLP (EC 1272/2008) — not classified; SVHC — not listed; Annex XIV/XVII — not subject. Germany: WGK nwg; TRGS 559 — observe general dust limits.

Section 16 · Other Information

Applies to all Vistamatt grades (26): VS131A, VS1351, VS141S, VS1551, VS1650A, VS171S, VS321A, VS331S, VS341S, VS350C, VS351C, VS3550U, VS360C, VS361C, VS3651D, VS370A, VS370T, VS370U, VS381C, VS3851, VS391C, VS641, VS651, VS660, VS6907, VSKD721. Further grades available on request.

Revision 2, August 2026. Supersedes Revision 1 (March 2026). Change in this revision: grade designation updated from Vista-... to VS...; grade list extended to the full current range. No change to composition, classification or hazard information.

This SDS is provided for information. Data are based on our present knowledge and describe the product with regard to safety requirements. They do not constitute a guarantee of properties. The user is responsible for determining suitability and for compliance with applicable regulations.