

Material Safety Data Sheet (MSDS / SDS)

Optical Brightener CBS-X (Fluorescent Brightener 351)

SECTION 1: Identification

Product Name	Optical Brightener CBS-X (C.I. Fluorescent Brightener 351)
Synonyms	Optical Brightener CBS-X, Fluorescent Brightener 351, FWA-1, Optical Whitening Agent
CAS No.	27344-41-8
Recommended Use	Whitening/brightening agent for detergents, textiles, paper and plastics
Manufacturer / Supplier	Ochnology Solution Pvt. Ltd., B-153, Sector-4 Defence Colony, Dehradun, Uttarakhand, India – 248001
Telephone	+91 9286823642/43
Email	projects@ochnology.com, bd@ochnology.com

SECTION 2: Hazard(s) Identification

GHS Classification: Not classified as hazardous under GHS for acute health hazards based on available data. May cause mild skin/eye irritation on prolonged contact; may be harmful to aquatic organisms.

Signal Word: None (not classified) – general good-handling-practice precautions apply; aquatic-release caution applies (see below)

Hazard Statements:

- Not classified as a hazardous substance or mixture under GHS/CLP for acute health hazards based on available data
- May cause mild, transient irritation to skin and eyes on prolonged or repeated contact
- May be harmful to aquatic organisms with long lasting effects – avoid release to waterways

Precautionary Statements:

- P264 – Wash hands thoroughly after handling
- P271 – Use only outdoors or in a well-ventilated area

- P273 – Avoid release to the environment
- P280 – Wear protective gloves/eye protection
- P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes; remove contact lenses if present and easy to do; continue rinsing

SECTION 3: Composition / Information on Ingredients

Component	CAS No.	Concentration (w/w)
Disodium 4,4'-bis(2-sulfostyryl)biphenyl (Fluorescent Brightener 351)	27344-41-8	Min. 98%
Moisture / Inorganic Salts (residual)	–	< 2% (combined)

SECTION 4: First-Aid Measures

Eye Contact	Rinse with plenty of water for several minutes. Remove contact lenses if present. Seek medical attention if irritation persists.
Skin Contact	Wash with soap and water. Generally low-irritating; seek medical attention if irritation persists.
Inhalation	Move to fresh air. If coughing or respiratory discomfort from dust persists, seek medical attention.
Ingestion	Rinse mouth with water. Not expected to be significantly harmful in small amounts; seek medical attention if a large quantity is ingested or discomfort occurs.

SECTION 5: Fire-Fighting Measures

- Combustible organic solid – can burn if exposed to a strong ignition source
- Suitable extinguishing media: water spray/fog, foam, CO₂, dry chemical
- Fire-fighters should wear SCBA in enclosed or heavily smoke-logged conditions

SECTION 6: Accidental Release Measures

- Avoid generating dust during clean-up; use wet suppression or vacuum where practical
- Sweep or vacuum into suitable containers for reuse or disposal
- Prevent entry into drains, sewers or waterways – potential aquatic toxicity
- Wear appropriate PPE (gloves, safety glasses) during clean-up

SECTION 7: Handling and Storage

- Avoid generating and inhaling dust; use local exhaust ventilation where dust is generated
- Avoid prolonged or repeated skin/eye contact; wash hands after handling
- Store in a cool, dry, well-ventilated area away from direct sunlight
- Keep containers tightly sealed to prevent moisture pickup and UV degradation

SECTION 8: Exposure Controls / Personal Protection

Occupational Exposure Limits	No specific OEL established for this substance; handle per good industrial hygiene practice
Engineering Controls	Local exhaust ventilation where dust is generated
Eye/Face Protection	Safety glasses recommended when handling bulk/concentrate
Hand Protection	General-purpose chemical-resistant gloves recommended for prolonged or repeated contact
Respiratory Protection	Dust mask (N95 or equivalent) recommended in dusty conditions

SECTION 9: Physical and Chemical Properties

Property	Unit	Value
Appearance	–	White to pale yellow powder/granules

Property	Unit	Value
Odour	–	Odourless to faint characteristic odour
pH (1% Solution)	–	7.0 – 9.0
Solubility in Water	–	Soluble
Flash Point	–	Not applicable (solid); combustible under sustained ignition

SECTION 10: Stability and Reactivity

- Stable under normal conditions of storage, handling and use
- May degrade/yellow on prolonged exposure to UV light or high heat
- Incompatible materials: strong oxidising agents

SECTION 11: Toxicological Information

- Low acute oral and dermal toxicity based on published data for stilbene-type fluorescent whitening agents
- May cause mild, transient irritation to skin and eyes on prolonged or repeated direct contact
- Not classified as carcinogenic, mutagenic, or toxic to reproduction based on available information

SECTION 12: Ecological Information

- Some fluorescent whitening agents of this class show potential for aquatic toxicity and limited biodegradability – avoid release of concentrate or wash-water to waterways
- Buyers formulating for markets with strict effluent/environmental regulations (e.g. detergent formulations sold in the EU) should confirm current ecotoxicological data for this specific substance

SECTION 13: Disposal Considerations

- Dispose of product and packaging in accordance with local, state and national regulations
- Do not discharge concentrate to drains or waterways
- Not expected to require classification as hazardous waste under standard criteria; confirm local requirements before disposal

SECTION 14: Transport Information

UN Number	Not applicable – not classified as Dangerous Goods
Proper Shipping Name	Not regulated for transport (IMDG / ADR / IATA / RID)
Transport Hazard Class	Not classified
Packing Group	Not applicable
Environmental Hazards	Avoid release to aquatic environment

SECTION 15: Regulatory Information

- Widely listed on major chemical inventories (TSCA, REACH, ECL, etc.) as an existing/registered substance
- Buyers/importers should confirm labelling and inventory requirements applicable to their specific jurisdiction and end-use, particularly regarding aquatic-toxicity-related restrictions in detergent formulations

SECTION 16: Other Information

Revision Date: 19 July 2026

This SDS has been compiled based on general industry data and knowledge for Optical Brightener CBS-X products of this type as commercially supplied. It is intended as a general handling and safety guide and does not replace a batch-specific SDS from the manufacturing mill, which should be obtained and reviewed for each shipment where regulatory submission is required.

Disclaimer: This Safety Data Sheet is prepared based on our current knowledge and information believed to be reliable for the product as typically supplied, and is intended as a general guide only. It does not constitute a warranty of any specific properties. Ochnology Solution Pvt. Ltd. reserves the right to modify this document without prior notice. Buyers/users are responsible for determining the suitability of this information for their own use, handling, and disposal practices, and for compliance with applicable laws and regulations in their jurisdiction.