



Registered Off. : 101-A, Deep Enclave, Pocket 'D', Ashok Vihar, Phase-III, Delhi-110 052 (India)
Corporate Off. : 152, Vardhman City Centre, Near Shakti Nagar Underbridge, Delhi-110052 (India)
Works : Plot No.1022, Modern Industrial Estate, Bahadurgarh-124507, Haryana (India)
Telephone : 0091 - 11 - 23646422 E-mail : tecpharm@gmail.com
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EVANS BLUE

1. Product Identification

Synonyms: Direct Blue 53, CI 23860

CAS No.: 314-13-6

Molecular Weight: 960.82

Chemical Formula: $C_{34}H_{24}N_6O_{14}S_4Na_4$

Product Codes: 21106

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent
Evans Blue	314-13-6	90 - 100%

3. Hazards Identification

Potential Health Effects

Inhalation: None identified.

Ingestion: None identified.

Skin Contact: Irritation.

Eye Contact: Irritation.

Chronic Exposure: No information found.

Aggravation of Pre-existing Conditions: No information found.

4. First Aid Measures

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Prompt action is essential.

Ingestion: Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

Skin Contact: In case of contact, flush skin with water.

Eye Contact: In case of eye contact, immediately flush with plenty of water for at least 15 minutes.

5. Fire Fighting Measures

Fire: Not expected to be a fire hazard.

Explosion: No information found.

Fire Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Special Information: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face-piece operated in positive pressure mode.

6. Accidental Release Measures

Wear self-contained breathing apparatus and full protective clothing. With clean shovel, carefully place material into clean, dry container and cover; remove from area. Flush spill area with water.



7. Handling and Storage

Keep container tightly closed. Suitable for any general chemical storage area.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits: None established.

Ventilation System: A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

Personal Respirators (NIOSH Approved): For conditions of use where exposure to the substance is apparent, consult an industrial hygienist. For emergencies, or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator.

Skin Protection: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Eye Protection: Use chemical safety goggles and/or full face shield where dusting or splashing of solutions is possible. Maintain eye wash fountain and quick-drench facilities in work area.

9. Physical and Chemical Properties

Appearance: Bluish - Black Crystalline solid.

Odor: No information found.

Solubility: Appreciable (>10%)

Specific Gravity: No information found.

pH: No information found.

% Volatiles by volume @ 21C (70F): 0

Boiling Point: No information found.

Melting Point: No information found.

Vapor Density (Air=1): Not applicable.

Vapor Pressure (mm Hg): Not applicable.

Evaporation Rate (BuAc=1): No information found.

10. Stability and Reactivity

Stability: Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products: Oxides of sulfur, oxides of nitrogen, carbon monoxide, carbon dioxide.

Hazardous Polymerization: Will not occur.

Incompatibilities: Strong oxidizing agents, strong reducing agents.

Conditions to Avoid: No information found.

11. Toxicological Information

-----\Cancer Lists\-----

---NTP Carcinogen---

Ingredient	Known	Anticipated	IARC Category
Evans Blue (314-13-6)	No	No	3



An ISO 9001 : 2008 Certified Company

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12. Ecological Information

Environmental Fate: No information found.

Environmental Toxicity: No information found.

13. Disposal Considerations

Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

Not Regulated..

15. Regulatory Information

SARA 311/312: Acute: Yes Chronic: Yes Fire: No Pressure: No

Reactivity: No (Pure / Solid)

Poison Schedule: No information found.

16. Other Information

Product Use:

Laboratory Reagent.