Safety Data Sheet: Beet Red

1. Identification

Product	Beet Red; CAS 57917-55-2; EC Not assigned (natural preparation)
Use	Professional colour and ingredient formulation development, with a suitably qualified grade for the intended application.
Company	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
Address	Room 1001, Building A, Caohejing Center, No. 1520 Gumei Road, Xuhui District, Shanghai, China
Telephone / email	+86-21-54265599 / sales@zxchem.com.cn
Emergency contact	ZXCHEM office number above, office hours, China time (UTC+8). For urgent medical assistance contact local emergency services.
Scope	Reference safety information for Beet Red. The reference composition, concentration and supply-grade differences are described in Section 3. This document does not certify the composition or transport status of a specific delivered batch or a different formulation.

2. Hazards Identification

Classification	Not classified as hazardous under the selected CLP preparation reference.
Signal word / symbols	No signal word assigned; No GHS pictogram in the selected reference
Hazard statements	No classified hazard statements assigned. Prevent powder exposure and moisture contamination.
Prevention	Use adequate ventilation; avoid inhaling dust. Prevent skin and eye contact. Wear suitable chemical-resistant gloves and eye protection. Wash after handling; keep food and drink out of the work area.
Response	After exposure, stop work and seek medical advice. For severe exposure obtain urgent medical care. Rinse contaminated skin or eyes with water; move an inhalation casualty to fresh air.
Environment	Prevent uncontrolled release to drains, soil or surface water. Collect spills for appropriate disposal.

3. Composition / Information on Ingredients

Reference ingredient	Beet-derived colour preparation. Reference composition: red beet concentrate 30–70%, maltodextrin 30–70%, ascorbic acid 1–10%; overlapping formulation ranges are reference declarations, not a batch recipe. Supplied carrier composition is not established.
Supply grade	Water-soluble natural colour
Applicability	The cited concentration or purity describes the reference material. It is not a certificate of analysis for the delivered batch; different solvents or dilutions require the matching supplier safety document.

4. First-Aid Measures

Inhalation	Move to fresh air and obtain medical advice if breathing discomfort continues.
Skin	Wash exposed skin with water.
Eyes	Flush gently with clean running water for at least 15 minutes; remove lenses when easy and seek care for persistent symptoms.
Ingestion	Rinse the mouth; obtain medical advice if unwell.
Treatment	Symptomatic treatment by medical personnel as needed.

5. Fire-Fighting Measures

Extinguishing media	Use water spray, foam, dry chemical or carbon dioxide suited to the surrounding fire.
Hazards	Heating may decompose organic ingredients.
Protection	Firefighters require suitable protective clothing and self-contained breathing equipment. Prevent contaminated firefighting water entering drains.

6. Accidental Release Measures

Personnel	Isolate the spill and provide ventilation. Use chemical-resistant gloves and eye protection; avoid contact and dust exposure.
Environment	Contain the release and protect drains and waterways. Report significant environmental contamination to the responsible authority.
Cleanup	Collect spilled solid without raising dust into closed labelled containers.

7. Handling and Storage

Handling	Provide ventilation and local dust extraction during powder transfer. Wear suitable gloves, work clothing and safety goggles; avoid airborne dust, ingestion and environmental release.
Storage	Store unopened powder in a dark, dry place, preferably at 5–10°C. Protect from heat, moisture and microbiological contamination.
Incompatibilities	No specific incompatible substance identified in the preparation reference; avoid chemical contamination.

8. Exposure Controls / Personal Protection

Exposure limits	No product-specific occupational exposure limit is established here. Control airborne dust and apply current local workplace exposure requirements.
Engineering controls	Use local extraction where dust can be generated. Maintain accessible eyewash and emergency washing facilities.
Personal protection	Wear chemical-resistant gloves selected for the task, suitable protective clothing and splash goggles. Add face protection for splash-prone tasks.
Respiratory protection	Use a properly selected respirator under a respiratory-protection program where engineering controls do not adequately limit airborne exposure.
Hygiene	Wash after handling, remove contaminated clothing promptly and do not eat, drink or smoke in the work area.

9. Physical and Chemical Properties

Appearance, supply	Red-violet powder
pH, supply	5–7 in a 10% solution
Loss on drying, supply	≤7%
Additional properties	Other unstated supplied-grade physicochemical values are not inferred.

10. Stability and Reactivity

Stability	Handle and store under the recommended conditions. Prevent contamination and unnecessary heating.
Incompatibilities	No specific incompatible substance identified in the preparation reference; avoid chemical contamination.
Decomposition	Heating may decompose organic ingredients.

11. Toxicological Information

Exposure effects	Avoid uncontrolled dust, mist, skin and eye exposure. Obtain medical advice for persistent symptoms.
Reference classification	Not classified as hazardous under the selected CLP preparation reference.
Toxicological data	The reference does not provide complete numerical acute or chronic toxicity data for the supplied grade. No absence of effects is inferred.

12. Ecological Information

Environmental effects	Prevent discharge to soil, drains and receiving water. Retain cleanup waste; the reference does not establish complete environmental fate data for the supplied grade.
Controls	Prevent uncontrolled release, collect spills and dispose of contaminated material through an authorized route.
Assessment	No product-specific PBT/vPvB assessment is claimed. Absence of data does not establish absence of environmental effects.

13. Disposal Considerations

Product	Collect surplus product and contaminated cleanup material for disposal by an authorized chemical-waste contractor in accordance with local requirements.
Packaging	Containers may retain product residues. Do not reuse contaminated packaging without an approved cleaning process; use an authorized disposal route.

14. Transport Information

Classification	Non-dangerous goods
UN number	Not assigned
Shipping name	Not regulated as dangerous goods
Class / packing group	The Plant-Ex powder preparation is not classified as hazardous for transport; no UN number or packing group is assigned.
Transport precautions	Protect packaging and closures from damage, secure loads and prevent releases. This reference is not a shipping declaration for a specific consignment.

15. Regulatory Information

Identity	Beet Red; CAS 57917-55-2; EC Not assigned (natural preparation)
HS reference	320300; reference heading rather than a destination customs ruling.
Compliance	Apply applicable workplace, environmental and transport rules. A raw-material listing does not establish finished-product authorization.
Assessment	No ZXCHEM-specific chemical safety assessment or destination registration is asserted.

16. Other Information

Hazard meanings	No classified hazard statements assigned. Prevent powder exposure and moisture contamination.
Limitations	Prepared as reference safety information for the identified material. It is not a batch analytical certificate or safety assessment of a different solvent-containing formulation.
Revision	2026.4; prepared 2026-10-07. Customer-document branding and title corrected; technical safety data retained.
Document scope	Reference safety information for the material and grade described in Sections 1 and 3. Different concentrations, solvents or formulations require the applicable safety information. This is not a batch analytical certificate.

Revision: 2026.4 | Revision date: 2026-10-07