Safety Data Sheet: Pepaid EA Series — Animal-Derived Enzymatic Polypeptides

1. Identification

Product family	Pepaid™ EA Series — Animal-Derived Enzymatic Polypeptides
Covered models	EA80, EA80-LMW, EA80-uLMW
Recommended use	Agricultural plant nutrition, fertilizer and biostimulant formulation.
Supplier	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
Website	www.zxchem.com/

2. Hazards Identification

GHS classification	The covered manufacturer references list no physical, health or environmental hazard classification.
Label elements	No pictogram, signal word or hazard statement assigned in those references.
Handling concerns	Skin and eye irritation are reported despite the absence of a formal GHS class. Avoid contact; control airborne powder and prevent wet-floor slips.

3. Composition / Information on Ingredients

Reference composition, by weight: EA80 79–81% animal protein hydrolysates; EA80-LMW >80%; EA80-uLMW 79–81%. These are composition entries, separate from amino acid and nitrogen assays.

Chemical description	Animal protein hydrolysates; peptide / amino-acid mixtures.
CAS / EC identifiers	100085-61-8 / 309-203-1 identify the animal protein hydrolysate substance family; the supplied material is a mixture.
EA80	Animal protein (meat proteins); Powder
EA80-LMW	Animal protein (meat proteins); Powder
EA80-uLMW	Animal protein (meat proteins); Powder

4. First-Aid Measures

Inhalation	Move to fresh air and allow the person to rest. Seek medical advice if irritation persists.
Skin contact	Wash with plenty of water. Obtain medical attention for redness, inflammation or persistent irritation.
Eye contact	Rinse immediately with running water for at least 15 minutes, holding eyelids open. Remove contact lenses if easy; seek medical advice.
Ingestion	Rinse the mouth. Do not give anything by mouth to an unconscious person. Obtain medical advice if unwell.

5. Fire-Fighting Measures

Suitable media	Water spray, foam, multipurpose dry powder or carbon dioxide.
Specific hazards	Avoid dispersing dry organic powder into airborne clouds near ignition sources. Combustion may produce irritating smoke.
Firefighter protection	Use self-contained breathing apparatus and protective equipment appropriate for the surrounding fire.

6. Accidental Release Measures

Personal precautions	Avoid contact with eyes, skin and respiratory system. Wear suitable gloves, goggles and protective clothing.
Powder cleanup	Collect gently with dust control; use suitable absorbent if needed and place in appropriate disposal containers.
Liquid cleanup	Not applicable to these powder models.
Environment	Prevent direct discharge into drains. Dispose of collected material at an authorized site.

7. Handling and Storage

Handling	Follow instructions for use and local regulations. Work in well-ventilated areas; keep containers closed.
Storage	Cool, dry, well-ventilated storage; protect from humidity and weather, ignition sources and incompatible materials.
Shelf life	EA80: 2 years; EA80-LMW and EA80-uLMW: 1 year, sealed original packaging.

8. Exposure Controls / Personal Protection

Exposure limits	No specific occupational exposure limits are supplied for these mixtures. Monitor the workplace according to local regulations.
Engineering controls	Provide suitable ventilation and workstation risk assessment. Keep eyewash and first-aid equipment available.
PPE	Chemical-resistant protective gloves, goggles and protective clothing. Use suitable respiratory protection when airborne exposure requires it.

9. Physical and Chemical Properties

Physical form	Yellow / brownish-yellow powders.
Odour	Characteristic.
EA80 — pH	4–7
EA80-LMW — pH	4–7
EA80-uLMW — pH	4–7
Water solubility	See the model-specific TDS.
Flash point	No applicable powder flash-point test value established here.
Melting / decomposition temperature	No data available.

10. Stability and Reactivity

Stability	Stable under normal conditions of use.
Incompatible materials	Strong oxidizing materials.
Hazardous polymerization	Not known in the covered references.
Hazardous decomposition	No specific hazardous decomposition products established in the covered references.

11. Toxicological Information

Acute toxicity	No quantitative toxicity data available in the covered manufacturer references.
Skin irritation	Reported as irritating to skin.
Eye irritation	May irritate eyes.
Sensitization	No data available.
Other endpoints	No product-specific data supplied for carcinogenicity, mutagenicity, reproductive toxicity or repeated-dose toxicity.

12. Ecological Information

Biodegradability	The manufacturer references describe the products as readily biodegradable; test method details are not supplied.
Ecotoxicity	The references do not consider the products harmful to the environment, but discharge into drainage should be avoided.
Release prevention	Do not deliberately release bulk product into the environment.

13. Disposal Considerations

Residues	Collect at a licensed waste collection point. Prevent uncontrolled environmental release.
Disposal	Dispose of product residues and packaging according to relevant local regulations.

14. Transport Information

ADR / RID	Not dangerous goods in the covered reference grades.
IMDG	Not dangerous goods in the covered reference grades.
IATA	Not dangerous goods in the covered reference grades.
UN number / hazard class / packing group	Not assigned for the covered non-dangerous reference grades.
Shipment precautions	Keep containers sealed and protected from damage, moisture and contamination.

15. Regulatory Information

Applicable requirements	Comply with national and local legislation for manufacture, storage, transport and agricultural use.
Market approvals	No fertilizer registration, organic-input approval or company-specific regulatory registration is established by this SDS.

16. Other Information

Revision	2026.3; prepared 2026-10-10. Customer-document branding and title corrected; technical safety data retained.
Intended scope	Consolidated model-family reference safety information. Powder and liquid differences remain separated. Evaluate suitability for the actual grade and workplace.
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: 2026.3 | Revision date: 2026-10-10