

Revision Date: Mar 2024



1. Product and Company Identification

Product Name:	Prussian White Powder, PW-03D
CAS#:	/
Chemical Formula:	Na ₄ Fe(CN) ₆
Identified uses:	Laboratory chemicals, Manufacture of substances
Contact Information:	Beyond Battery PTE. LTD. BLK 81 Ayer Rajah Crescent, #03-55, Singapore 139967 Email: tech@beyond-battery.com Website: https://beyond-battery.com/

2. Hazards Identification

Emergency Overview: GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Not a hazardous substance or mixture.

HMIS Rating

Health hazard: 0

Chronic Health Hazard:

Flammability: 0

Physical Hazard: 0

NFPA Rating

Health hazard: 0

Fire Hazard: 0

Reactivity Hazard: 0

GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

Hazards not otherwise classified (HNOC) or not covered by GHS

None.

Revision Date: Mar 2024



3. Composition/Information on Ingredients

Chemical Identification: Mixture

Main Components:

Component	Concentration	CAS No.
Na+	33±1%	17341-25-2
Fe2+	33±0.5%	7439-89-6
Mn2+	32±0.5%	7439-96-5
Ca2+	≤50ppm	7440-70-2
Mg2+	≤20ppm	7439-95-4
Si	≤200ppm	7440-21-3
Pb2+	≤400ppm	7439-92-1
Cd2+	≤20ppm	7440-43-9
C6FeN6Na4	≤0.5%	13601-19-9

4. First Aid Measures

Eye Contact: Not applicable

Skin Contact: Not applicable

Inhalation: Not applicable

Ingestion: Not applicable

5. Firefighting Measures

Hazard Characteristics: This product is non-flammable and does not support combustion.

6. Accidental Release Measures

The product is solid, no leakage.

7. Handling and Storage

Handling Precautions: Use sealed operations, local exhaust. Operators should be specially trained and follow operation protocols. Wear protective gloves. Use explosion-proof ventilation systems and equipment. Avoid contact with oxidants and acids. Handle with care to prevent damage to packaging.

Storage Precautions: Store in a cool, ventilated warehouse. Keep away from fire and heat. Store separately from oxidants, avoid mixing. Use explosion-proof lighting and ventilation. Prohibit the use of equipment that generates sparks.

Revision Date: Mar 2024



7. Exposure Controls/Personal Protection

Respiratory Protection: Use a new type of gas mask when filtering air concentration is high, wear a mask (half).

Ventilation: Not needed under normal usage conditions.

Protective Gloves: Wear rubber gloves.

Other Protective Clothing or Equipment: Wear protective clothing. Maintain good hygiene.

8. Physical and Chemical Properties

Appearance: Solid

pH: Not applicable

Boiling Point: Not applicable

Decomposition Temperature: Not applicable

Relative Density: Not applicable

Vapor Density: Not applicable

9. Stability and Reactivity

Chemical Stability: Stable

Conditions to Avoid: High temperature, combustion

Materials to Avoid: Some oxidized substances, acids

Hazardous Decomposition Products: Not applicable

Hazardous Polymerization: Not applicable

10. Toxicological Information

Acute Toxicity: No data

Chronic Toxicity: No data

Irritation: No data

Sensitization: No data

Mutagenicity: No data

Carcinogenicity: No data

11. Ecological Information

Ecotoxicity: No data

PBT and vPvB Assessment:

PBT: Not applicable

vPvB: Not applicable

Other Adverse Effects: No further information.

12. Disposal Considerations

Waste Disposal Method: Dispose of in accordance with national and local regulations, or contact the manufacturer for appropriate disposal methods.

Revision Date: Mar 2024



13. Transport Information

Packaging: N/A

Transport Methods: Air, sea, rail, road

Precautions: Handle with care to avoid collision and dragging, avoid direct sunlight.

14. Regulatory Information

EU CLP: Regulation (EC) 2018/1480 on the classification, labeling, and packaging of substances and mixtures

REACH: Regulation (EC) No 1907/2006

Commission Regulation (EU) 2020/878

15. Other Information

Disclaimer: The information in this safety data sheet is obtained from reliable sources. However, no guarantee is expressed or implied regarding the accuracy of the data. The handling, storage, use, or disposal of this product are beyond our control and may be beyond our knowledge.