MATERIAL SAFETY DATA SHEET (MSDS)

CMS PETRO PLUS | Yeast Fermentation Vinasse

1. IDENTIFICATION OF THE PRODUCT AND COMPANY

Product name	CMS PETRO PLUS
Chemical name	Yeast Fermentation Vinasse
Product description	Organic fermentation-derived liquid material obtained from yeast fermentation. Natural source of organic matter, amino acids, peptides and mineral elements.
Recommended use	Raw material for fertilizer and biostimulant manufacturing. Other uses subject to relevant quality and regulatory requirements.
Company name	PETRO CHEM EGYPT
Address	375 El Geish Road, Alexandria, Egypt
Telephone	01004595653
E-mail	info@petrochemeg.com
Emergency telephone	01004595653

2. HAZARDS IDENTIFICATION

Classification (GHS)	Not classified as hazardous.
Hazard pictograms	None.
Signal word	None.
Hazard statements	Not classified as hazardous.
Precautionary statements	Follow good hygiene and standard industrial handling practices.
Other hazards	No other hazards identified in the information provided for this document.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Content / reported value
Yeast fermentation vinasse (organic fermentation material)	Mixture / not applicable	Product identity
Dry matter (DM)	—	50-53%
Ash	—	20%
pH	—	6.0-6.7
Density	—	1.23 (unit not stated)
Brix	—	55%
Total amino acids	—	16.8%
Free amino acids	—	>10%
Protein content	—	16.6%

4. FIRST AID MEASURES

Inhalation	Move to fresh air if discomfort occurs.
Skin contact	Wash with soap and plenty of water.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do.
Ingestion	Rinse mouth. Seek medical advice if symptoms persist. Do not give anything by mouth to an unconscious person.
Most important symptoms/effects	No specific symptoms are established from the available product information.
Notes to physician	Treat symptomatically.

5. FIREFIGHTING MEASURES

Suitable extinguishing media	Water spray, foam, dry chemical or carbon dioxide (CO_2), as appropriate for the surrounding fire.
Unsuitable extinguishing media	No specific information available.
Specific hazards	Product-specific fire or explosion data are not available. Dried organic residues may burn.
Hazardous combustion products	Combustion may produce carbon oxides and other irritating fumes.
Protective equipment for firefighters	Use suitable firefighting protective equipment and self-contained breathing apparatus where required.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Avoid contact with skin and eyes. Use appropriate personal protective equipment.
Environmental precautions	Prevent large quantities from entering drains, surface water or soil.
Methods for cleaning up	Contain spill, absorb with inert material (sand, earth or suitable absorbent), collect in suitable containers and dispose of in accordance with local regulations.

7. HANDLING AND STORAGE

Handling	Handle in accordance with good industrial hygiene and safety practice. Avoid prolonged contact.
Storage	Store in closed, compatible containers at ambient temperature. Protect from direct sunlight and contamination.
Incompatible materials	Not determined; assess compatibility before mixing with strong acids, bases or oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls	Provide adequate ventilation, especially where mist may form.
Eye protection	Safety glasses or splash goggles as appropriate.
Skin protection	Protective gloves and work clothing as appropriate.
Respiratory protection	Not normally required under ordinary handling with adequate ventilation; assess if aerosols are generated.
Hygiene measures	Wash hands after handling. Do not eat, drink or smoke while handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Colour	Brown, tending to dark
pH	6.0-6.7
Brix	55%
Density	1.23 (unit and temperature not stated)
Dry matter	50-53%
Ash	20%
Odour	Not specified
Flash point / flammability	Not determined
Solubility / viscosity	Not specified

10. STABILITY AND REACTIVITY

Reactivity / stability	Product-specific test data are not available.
Conditions to avoid	Avoid extreme temperatures and contamination.
Incompatible materials	Not determined.
Hazardous decomposition products	Combustion may produce carbon oxides and irritating fumes.

11. TOXICOLOGICAL INFORMATION

No product-specific toxicological studies were provided. Avoid unnecessary exposure and follow normal industrial hygiene.

12. ECOLOGICAL INFORMATION

No product-specific ecotoxicity, persistence, degradability, bioaccumulation or mobility data are available. Prevent uncontrolled release to drains and waterways.

13. DISPOSAL CONSIDERATIONS

Dispose of product residues and contaminated packaging in accordance with applicable local requirements. Do not discharge into drains or waterways.

14. TRANSPORT INFORMATION

UN number	Not applicable if not regulated as dangerous goods.
UN proper shipping name	Not applicable if not regulated as dangerous goods.
Transport hazard class	Not applicable if not regulated as dangerous goods.
Packing group	Not applicable if not regulated as dangerous goods.
Transport precautions	Confirm shipment-specific requirements with the carrier and destination country.

15. REGULATORY INFORMATION

Regulatory status depends on composition, intended use and destination market. Verify applicable Egyptian and destination-country requirements for industrial raw materials and fertilizer/biostimulant manufacturing.

16. OTHER INFORMATION

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Product description	Yeast Fermentation Vinasse
Company	PETRO CHEM EGYPT
Emergency telephone	01004595653
Issue date	13 October 2026