MATERIAL SAFETY DATA SHEET (MSDS)

CMS PETRO 50

CONCENTRATED SUGAR BEET MOLASSES VINASSE

1. IDENTIFICATION	
Product name	CMS PETRO 50
Description	Concentrated Sugar Beet Molasses Vinasse
Recommended use	Industrial raw material for fertilizer and agricultural formulation manufacturing.
Company	PETRO CHEM EGYPT
Address	375 El Geish Road, Alexandria, Egypt
Telephone	01004595653
Email	info@petrochemeg.com

2. HAZARDS IDENTIFICATION	
Classification of the substance or mixtur	Not a hazardous substance or mixture.
GHS classificatio	In accordance with 29 CFR 1910 (OSHA HCS).
GHS label element	Not a hazardous substance or mixture.
Hazard(s) not otherwise classified (HNOC) or not covered by GHS	Not applicable.

3. COMPOSITION / INFORMATION ON INGREDIENTS	
Chemical classification	Mixture
Common name / synonyms	Vinasse
CAS number	Not supplied; product is a mixture.
Hazardous components	No ingredients are hazardous according to OSHA criteria or Canada's Workplace Hazardous Materials Information System (WHMIS). No components need to be disclosed according to the applicable regulations.

4. FIRST-AID MEASURES	
Inhalation	Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and get medical help immediately
Skin contact	Flush skin with plenty of water.
Eye contact	Remove contact lenses at once. Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical help if needed.
Ingestion	If the victim is conscious and alert, rinse mouth with water as a precaution. Never give anything to an unconscious person
PPE for first aiders	Wear safety shoes, overalls, gloves and safety glasses. Available information suggests nitrile rubber gloves should be suitable for intermittent contact. Due to variations in glove construction and local conditions, the user should make a final assessment. Wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and protective equipment before storing or re-using
Notes to physician	Treat symptomatically

5. FIRE-FIGHTING MEASURES	
Suitable media	Use extinguishing media appropriate to the surrounding fire.
Specific hazards	Non-combustible material
Protection	Firefighters should use protective equipment appropriate to the surrounding fire.

6. ACCIDENTAL RELEASE MEASURES	
Personal precautions	Avoid contact and slippery spill areas; use suitable PPE.
Environmental precautions	Prevent uncontrolled entry into drains and waterways.
Cleanup	Contain and collect using suitable absorbent material. Dispose according to local requirements.

7. HANDLING AND STORAGE	
Handling	Avoid splashes and mist. Wash hands after handling.
Storage	Keep in a compatible, closed, labelled container. Specific shelf life and storage limits were not supplied.
Compatibility	Confirm container and equipment compatibility before use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION	
Exposure limits	Not supplied.
Engineering controls	Provide adequate ventilation where mist may form.
Eye / hand protection	Use safety glasses and suitable gloves where splashing or contact is possible.
Respiratory protection	Assess based on workplace conditions if aerosols or mist are generated.

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9. PHYSICAL AND CHEMICAL PROPERTIES

pH	4.2 – 5.5
Brix	45°
Conductivity	8.1 ms.cm-1
Heat transfer coefficient at 20°C	0.3 kcal/h.m².°C
Viscosity at 20°C	2200 cp
Surface tension at 20°C	22150 dyn/cm
Boiling point at atmospheric pressure	102 °C
Specific gravity at 20°C	1.2 g/cm2
Total carbohydrate	3 – 4%
Total inorganic matter	9.5 – 10.5%
Total organic matter	63 – 70%
Total organic carbon	36 – 47%
Total protein	9 – 10%
Total free amino acid	7 – 8%
K2O	0.092
P2O5	0.2% max
Ca++	0.8%
Mg	0.17%
S	0.7%
Fe	0.025%
Mn	0.001%
Cu	Not detected
B	5 – 7 ppm
Mo	4 – 6 ppm
Humic acid	5 – 6%
Fulvic acid	2 – 3%
KCl	0 – 6%

10. STABILITY AND REACTIVITY

Stability / reactivity	This material is thermally stable when stored and used as directed. Not combustible; however, following evaporation of the aqueous component residual material can burn if ignited. Firefighters should wear self-contained breathing apparatus and suitable protective clothing if there is a risk of exposure to vapour or products of combustion.
Conditions to avoid	Avoid conditions outside validated supplier guidance.
Incompatible materials	Oxidizing agents
Hazardous decomposition	Fermentation activity may occur which can yield carbon dioxide with possible traces of ethanol or volatile fatty acids. Fermentation may also occur on dilute surface layers formed by condensation from the headspace above the liquid. The addition of water may initiate bacterial growth which can produce methane and further carbon dioxide. This may create an explosive atmosphere in the presence of a spark or flame. Insufficient oxygen may also be present. If entry into vessels or storage tanks is required, confined-space entry requirements should be implemented

11. TOXICOLOGICAL INFORMATION

Inhalation	Material may be an irritant to mucous membranes and respiratory tract
Skin contact	Contact with skin may result in irritation
Ingestion	Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract. Product may contain added MOP for quality purposes and should not be used as a stock feed
Eye contact	May be an eye irritant.
Acute toxicity – inhalation	Classified as non-hazardous. Acute toxicity estimate (based on ingredients): LC50 > 20.0 mg/L for vapours; or LC50 > 5.0 mg/L for dust and mist; or LC50 > 20,000 ppm for gas.
Acute toxicity – skin contact	Classified as non-hazardous. Acute toxicity estimate (based on ingredients): > 2,000 mg/kg bw.
Acute toxicity – ingestion	Classified as non-hazardous. Acute toxicity estimate (based on ingredients): > 2,000 mg/kg bw
Corrosion / irritancy	Eyes: classified as not corrosive or irritating to eyes. Skin: classified as not corrosive or irritating to skin
Sensitization	Not classified as a respiratory or skin sensitize
Aspiration hazard / STOT, single exposure	Classified as non-hazardous
Chronic toxicity	Mutagenicity, carcinogenicity, reproductive toxicity (including via lactation), and specific target organ toxicity (repeat exposure) are classified as non-hazardous

12. ECOLOGICAL INFORMATION

Available data	Product-specific ecotoxicity, persistence and bioaccumulation data were not supplied.
Precaution	Avoid uncontrolled release to drains, waterways or soil.
Acute aquatic hazard	Classified as non-hazardous. Acute toxicity estimate (based on ingredients): > 100 mg/L.
Long-term aquatic hazard	Classified as non-hazardous. The source classification basis states: non-rapidly or rapidly degradable substance for which adequate chronic toxicity data are available OR, in the absence of chronic toxicity data, acute toxicity estimate (based on ingredients) > 100 mg/L, where the substance is not rapidly degradable and/or BCF < 500 and/or log Kow < 4.

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13. DISPOSAL CONSIDERATIONS

Product	Waste product residues should not be disposed of in sewers. Dispose of in accordance with federal, state and local requirements. Processing, use or contamination of this product may change the waste-management options.
Contaminated packaging	Dispose of the container and unused contents in accordance with federal, state and local requirements.

14. TRANSPORT INFORMATION

Road and rail transport	Not classified as Dangerous Goods by the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail and the New Zealand NZS5433: Transport of Dangerous Goods on
Marine transpor	Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea
Air transport	Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air

15. REGULATORY INFORMATION

This material is not subject to the following international agreements:
• Montreal Protocol (Ozone-depleting substances)
• The Stockholm Convention (Persistent Organic Pollutants)
• The Rotterdam Convention (Prior Informed Consent)
• Basel Convention (Hazardous Waste)
• International Convention for the Prevention of Pollution from Ships (MARPOL)
This material/constituent(s) is covered by the following requirements:
All components of this product are listed on or exempt from the Australian Inventory of Industrial Chemicals (AIIC).

16. OTHER INFORMATION

SDS issue date	12/09/2026
Product description	CONCENTRATED SUGAR BEET MOLASSES VINASSE
Company	PETRO CHEM EGYP
Emergency telephone	01004595653