



# Vinasse MSDS

Phaga / IMS / Q / F / 01  
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## SECTION 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product Identifier

Product name	Smart foil
Product Code(s)	Not Applicable
CAS Number	Not Applicable

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Product Use	Fertilizer
Product Restrictions	No further relevant information available

### 1.3 Manufacturer or supplier's details

Company	Phaga for industries
Address	K 59, Cairo – Alexandria desert Road, Abu Elmatamir, Behira
Telephone	0201100337729
E-mail address	<a href="mailto:info@Phaga.com">info@Phaga.com</a>

## SECTION 2: Hazards identification

Classification of the Substance or Mixture

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

Not a hazardous substance or mixture.

GHS Label Elements

Not a hazardous substance or mixture.

Hazard(s) Not Otherwise Classified

(HNOC) or not covered by GHS                      Not Applicable

### SECTION 3: composition / information on ingredients

Chemical Classification	Mixture
Common Name/ Synonyms	Vinasse
CAS Number	Not Applicable

#### 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.

### SECTION 4: first – Aid Measures

#### Description of First Aid Measures

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.
Skin Contact	Flush skin with plenty of water
Ingestion	If victim is conscious and alert, rinse mouth with water as a precaution. Never give anything to an unconscious person
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.

**PPE for First Aiders:** Wear safety shoes, overalls, gloves, safety glasses. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

**Notes to physician:** Treat symptomatically.

### SECTION 5: Firefighting Measures

**Hazchem Code:** Not applicable.

**Suitable extinguishing media:** If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).

**Specific hazards:** Non-combustible material.

**Firefighting further advice:** Not combustible, however following evaporation of aqueous component residual material can burn if ignited.

## SECTION 6: - Accidental Release Measures

### SMALL SPILLS

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapors or dust. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

### LARGE SPILLS

Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapors. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.

**Dangerous Goods - Initial Emergency Response Guide No:** Not applicable

## SECTION 7: - Handling and Storage

**Handling:** Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of vapor, mist or aerosols. 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 then confined space entry requirements should be implemented. Not combustible, however following evaporation of aqueous component residual material can burn if ignited. Prevent build-up of dust, mists or vapors in the work atmosphere. Maintain high standards of personal hygiene. Product may contain added MOP for quality purposes and should not be used as a stock feed.

**Storage:** Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Keep container standing upright. Keep containers closed when not in use - check regularly for leaks.

## SECTION 8: - Exposure Controls and Personal Protection

National occupational exposure limits:

Glycerin mist

As published by Safe Work Australia.

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15-minute period which should not be exceeded at any time during a normal eight-hour workday.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

**Biological Limit Values:** As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.

**Engineering Measures:** Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well ventilated areas. Use with local exhaust ventilation or while wearing appropriate respirator. Vapor heavier than air - prevent concentration in hollows or sumps. Do NOT enter confined spaces where vapor may have collected.

**Personal Protection Equipment:** SAFETY SHOES, OVERALLS, GLOVES, SAFETY GLASSES.

Personal protective equipment (PPE) must be suitable for the nature of the work and any hazard associated with the work as identified by the risk assessment conducted. Wear safety shoes, overalls, gloves, safety glasses. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

**Hygiene measures:** Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of vapor, mist or aerosols. Ensure that eyewash stations and safety showers are close to the workstation location.

## SECTION 9: - Physical and chemical Properties

Information on basic physical and chemical properties

S/N	Parameter	Range
1	pH	4.2 – 5.5
2	Brix	45°
3	Conductivity	8.1 ms.cm <sup>-1</sup>
4	HEAT Transfer Coefficient at 20°C	0.3 kcal/ h.m <sup>2</sup> . °C
5	Viscosity at 20°C	2200 cp
6	Surface Tension at 20°C	22150 dyn/cm
7	Boiling Point at Atmospheric Pressure	102 °C
8	Specific Gravity at 20 °C	1.2 g/cm <sup>2</sup>
9	Total carbohydrate	3 -4 %
10	Total Inorganic Matter	9.5 – 10.5 %
11	Total organic Matter	63 – 70 %
12	Total organic Carbon	36 – 47 %
13	Total Protein	9 – 10 %
14	Total free Amino Acid	7 – 8 %

15	K <sub>2</sub> O	0.092
16	P <sub>2</sub> O <sub>5</sub>	0.2% max
17	Ca <sup>++</sup>	0.8%
18	Mg	0.17%
19	S	0.7%
20	Fe	0.025%
21	Mn	0.001%
22	Cu	Not Detected
23	B	5 – 7 ppm
24	Mo	4 – 6 ppm
25	Humic Acid	5 – 6 %
26	Falvic Acid	2- 3 %
27	KCl	0 – 6%

## SECTION 10: - Stability and Reactivity

**Chemical stability:** This material is thermally stable when stored and used as directed. Not combustible, however following evaporation of aqueous component residual material can burn if ignited. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapor or products of combustion.

**Conditions to avoid:** Elevated temperatures and sources of ignition. Incompatible materials: Oxidizing agents.

**Hazardous decomposition products:** 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 then confined space entry requirements should be implemented.

**Hazardous reactions:** No known hazardous reactions.

## SECTION 11: - Toxicological information

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

### Acute Effects

**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:** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): LC50 > 20.0 mg/L for vapors or LC50 > 5.0 mg/L for dust and mist or LC50 > 20,000 ppm for gas

**Skin contact:** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg bw  
**Ingestion:** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg bw

**Corrosion/Irritancy:** Eye: this material has been classified as not corrosive or irritating to eyes. Skin: this material has been classified as not corrosive or irritating to skin.

**Sensitization:** Inhalation: this material has been classified as not a respiratory sensitizer. Skin: this material has been classified as not a skin sensitizer.

**Aspiration hazard:** This material has been classified as non-hazardous. Specific target organ toxicity (single exposure): This material has been classified as non-hazardous.

### **Chronic Toxicity**

**Mutagenicity:** This material has been classified as non-hazardous.

**Carcinogenicity:** This material has been classified as non-hazardous.

**Reproductive toxicity (including via lactation):** This material has been classified as non-hazardous.

**Specific target organ toxicity (repeat exposure):** This material has been classified as non-hazardous.

## **SECTION 12: Ecological information**

Avoid contaminating waterways.

**Acute aquatic hazard:** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >100 mg/L

**Long-term aquatic hazard:** This material has been classified as non-hazardous. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data 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.

**Ecotoxicity:** No information available.

**Persistence and degradability:** No information available.

**Bio accumulative potential:** No information available.

**Mobility:** No information available.

## **SECTION 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 container and unused contents in accordance with federal, state and local requirements.

**SECTION 14: Transport Condition****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 Land".

**MARINE TRANSPORT**

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.

**SECTION 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 (AIC).

**SECTION 16: Other information**

**Reason for issue:** Format change

**SDS Issue Date:**

**SDS Revision Number:**

**Supersedes Issue Date:** Not Applicable

**Summary of Changes**

<b>Revision No.</b>	<b>Changes</b>
Original	• New SDS

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If you are an employer it is your duty to tell your employees, and any others that may be affected, of any hazards described in this sheet and of any precautions that should be taken.

Safety Data Sheets are updated frequently. Please ensure you have a current copy