

## MATERIAL SAFETY DATA SHEET

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### 1. IDENTIFICATION OF PREPARATION AND THE COMPANY UNDERTAKING

Trade name : Mangosteen Extract

### 2. COMPOSITION INFORMATION

Chemical Name : -

### 3. PHYSICAL AND CHEMICAL PROPERTIES

Colour and appearance	: Brown viscous liquid
Odour and taste	: Characteristic mangosteen odour
pH value (1%Sol.)	: 4-6
Brix	: 70-75
TPC (cfu/g.)	: ≤ 100
Yeast and Mold (cfu/g.)	: ≤ 100

### 4. HARZARDS IDENTIFICATION

Health effects-Eyes	: This product may cause serious eyes irritation and damage.
Health effects-Skin	: This product may cause skin dermatitis and repeated contact may cause allergic dermatological reaction.
Health effects-Ingestion	: Swallowing of this product may cause systemic effect and gastro-intestinal irritation.
Health effects-Inhalation	: This product may cause respiratory tract irritation and systemic effect related to amount of inhalation.

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## 5. FIRST AID MEASURES

- Eye contact** : Irrigate with clean water severally at least 15 minutes holding the eyelids open then obtain medical advice.
- Skin contact** : Remove contaminated clothes immediately. Wash the skin with large quantities of water or water and soap.
- Ingestion** : Rinse mouth with water. Ingest at least one pint of milk or water and obtain medical advice immediately. Do not induce vomiting.
- Inhalation** : Move from exposure and keep the patient warm and at rest. Refer the patient to doctor if evidence of serious effect persists.

## 6. FIRE FIGHTING MEASURES

- Unusual fire and explosion hazards** : Do not use direct water jet. However water still can use to cool the containers which exposed to fire. Do not breathe in the smoke.

## 7. ACCIDENTAL RELEASE MEASURES

- Personal safety precautions** : Avoid inhaling the vapors and follow the safety measures under headings 7 and 8.
- Environmental safety precaution** : Contain spilled material using inert, non-combustible absorbent material, sweep up and remove to approved disposal container.  
Avoid possible contamination to environment.
- Cleaning method** : Clean preferably with detergent. Do not use any solvent.

## 8. HANDLING AND STORAGE

- Handling** : Maintain adequate air circulation in working area. The vapours can spread and form explosive mixture with air. Smoking in handling area is prohibited. Avoid vapour concentration higher than the occupational exposure limits.
- Storage** : Keep in cool preferably at about 15-20°C, dry place and protected from light. Keep containers tightly sealed. Keep away from all ignition sources. In original container, 12 months quality should be checked visually and olfactory before each use and fully checked after the shelf life period.

## 9. EXPOSURE CONTROL/PERSONAL SAFETY

**Respiratory protection** : In well ventilation areas, respiration protection is not normally required.  
In confined, poorly ventilated areas wearing suitable mask is required.

**Hand protection** : Using of chemical resistant gloves is recommended.

**Eye protection** : In general, using safety goggles is recommended.

**Skin protection** : Protective creams may be used for exposed skin.

**Ventilation** : Provide adequate ventilation.

## 10. STABILITY AND REACTIVITY

Not stable to excess heat and may release dangerous decomposition product when exposed to high temperature.

## 11. TOXICOLOGICAL INFORMATION

This product may cause eyes and skin irritation or damage.

## 12. ECOLOGICAL INFORMATION

Prevent contamination of soil, ground and surface water.

## 13. DISPOSAL CONSIDERATION

Do not pour this product or its waste into environment.

## 14. TRANSPORT INFORMATION

Transportation of this product is in compliance with local regulations.

## 15. REGULATORY INFORMATION

Product classification : Non-hazardous