

MATERIAL SAFETY DATA SHEET
ACCORDING TO EC LEGISLATION 91/155/E EC

Date created: August 2005

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1. Identification:

Commercial name: Grapefruit Seed Extract

Botanical Nomenclature: *Citrus grandis*

INCI name: *Citrus Grandis Extract*

CAS number: 90045-43-5

EINECS CAS number: 289-904-6

EEC Number: *Not available*

2. Composition:

Main components:

Additives (e.g. carriers, preservatives, antioxidants): *Nil*

3. Potential Health Hazards:

Inhalation: *Observe good housekeeping procedure*

Skin: *Observe good housekeeping procedure*

Eyes: *Observe good housekeeping procedure*

Ingestion: *Observe good housekeeping procedure*

4. First aid:

Inhalation: *Avoid breathing vapour full strength if it is heated*

Skin: *Wash affected area with mild soap and water. Seek medical advice if irritation persists.*

Eyes: *Flush with plenty of water for 15 minutes. Seek medical advice if irritation persists.*

Ingestion: *Rinse mouth with water, seek medical advice immediately. Do not induce vomiting. Give milk and white of egg beaten in water.*

5. In case of fire:

Extinguishing media: *Use foam, powder, or carbon dioxide*

Do not use: *Water Jet*

Special precautions: *Wear protective clothing and breathing apparatus when tackling the incident.*

6. Spill and Leak Procedure:

Individual precautions: *Avoid contact with skin, eyes, clothes, and other material. All spillages can cause a slipping hazard.*

Environmental protection: *Avoid spillage into lakes and sewers.*

Cleaning methods *If small spill, absorb on paper or other absorbent material. If large spill pump into salvage tank. Final treatment of the area should be cleaned with soap and water. If it is impossible to incinerate the package, the material should be buried in a safe place so that accidental contact is not possible.*

7. Handling and storage:

Store in a cool, dry and dark place in suitable containers. Drums should be stored six inches of the ground on wooden pallets. Store on a first out, first in basis to avoid prolonged

storage. Do not reuse empty drums. Return to drum reconditioner or destroy by perforating or crushing and burying in a safe place.

Handle in a well ventilated area.

Keep away from sources of heat and ignition.

Store in an upright position with the bungs on top.

8. Personal Protection / Exposure control:

Respiratory protection: *Not required unless heating the product directly.*

Skin protection: *Rubber or plastic gloves should be worn*

Eye protection: *Safety glasses or safety goggles should be worn*

General precautions: *Use good industrial hygiene practise.*

9. Physiochemical properties:

Appearance: *Yellow viscous liquid*

Odour: *Not available*

pH: *2.5 – 3.0*

Boiling point: *Not available*

Flash point: *292C*

Autoignition Temperature: *Not available*

Explosion Limits: *Not available*

Vapour pressure (25°C): *Not available*

Vapour Density: *Not available*

Specific Gravity (25°C): *9.37*

Optical Rotation (20°C): *Not available*

Refractive Index (20°C): *Not available*

Solubility in water (20°): *soluble*

Partition Coefficient log P o/w: *Not available*

Evaporation rate: *Not available*

10. Stability and Reactivity:

Chemical Stability: *Stable.*

Conditions to avoid: *Not available*

Hazardous Decomposition Products: *Not available*

11. Toxicological Information:

According to RIFM- Monograph:

Acute Toxicity: *Oral LD₅₀: 2.900/kg in rats*

Dermal LD₅₀: /kg in rabbits Not available

Irritation: *None observed up to 3% concentration.*

Sensitisation: *None observed upto 2% concentration.*

Phototoxicity: *Non photo toxic*

12. Ecotoxicological information:

Fish Toxicity: LCO/EC₅₀: *Not available.*

Bacteriotocity: ECO/EC₅₀: *Not available.*

13. Disposal Method:

Check Federal, State and Local Regulations.

14. Transport Information:

Non-hazardous material transport in suitable containers.

15. Regulatory Information

Hazard Symbols: -----

Risk Phrases: -----
H/C %: -----
Safety Phrases: -----

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FOR AND ON BEHALF OF PHOENIX NATURAL PRODUCTS:

J.S. CHANA..... (MANAGING DIRECTOR)

DATE:.....