

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

Date created: June2005

Date revised: July 2005

1. Identification:

Commercial name: Citric Acid Monohydrate

Botanical Nomenclature:

INCI name: Citric Acid Monohydrate

CAS number: 77-92-9

EINECS CAS number: 201-069-1

EEC Number: *Not available*

2. Composition:

Main components:

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

3. Potential Health Hazards:

Inhalation: *Use good industrial hygiene practices*

Skin: *Use good industrial hygiene practices*

Eyes: *Use good industrial hygiene practices*

Ingestion: *Use good industrial hygiene practices*

4. First aid:

Inhalation: *Remove victim to fresh air and remain breathing*

Skin: *Wash affected area with mild soap and water for 10 minutes. Seek medical advice if irritation persists.*

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

Ingestion: *Drink plenty of water, do not induce vomiting. Seek medical attention.*

5. In case of fire:

Extinguishing media: *Water spray, dry foam or dry powder*

Do not use: *Water jet*

Special precautions: *Emits acrid and irritant fumes, wear self contained breathing apparatus.*

6. Spill and Leak Procedure:

Individual precautions: *Any spillage could be slip hazard. Wear appropriate protective equipment.*

Environmental precautions: *Avoid spillage into water system and drains.*

Cleaning methods: *Sweep up and transfer into a suitable container. Wash area with water.*

7. Handling and storage:

Store in a cool, dry and dark place, in suitable containers (aluminium cans or lacquer lined steel drums).

Handle in a well ventilated area.

Keep away from sources of heat and ignition.

Avoid breathing in dust and contact with eyes, skin and clothing.

8. Personal Protection / Exposure control:

Respiratory protection: *Ventilation masks recommended*
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: *White crystals*
Odour: *Not available*
pH: *Not available*
Boiling point: *Decomposes*
Flash point: *Not available*
Autoignition Temperature: *345°C*
Explosion Limits: *Not available*
Vapour pressure (25°C): *Not available*
Vapour Density: *Not available*
Specific Gravity (20°C): *1.67 g/ml*
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: *Normally stable. Strong oxidising agent*
Hazardous Decomposition Products: *Not available*

11. Toxicological Information:

According to RIFM- Monograph:
Acute Toxicity: *Oral LD₅₀: /kg in rats Not available*
Dermal LD₅₀: /kg in rabbits Not available
Irritation: *Not available*
Sensitisation: *Not available*
Phototoxicity: *Not available*

12. Ecotoxicological information:

Biodegradable
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

The British Essential Oil Association Chip Regulations – 2002

Hazard Symbols: -----
Risk Phrases: -----
H/C %: -----
Safety Phrases: s22,s24/25

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FOR AND ON BEHALF OF PHOENIX NATURAL PRODUCTS:

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

DATE:.....