



MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY.

Product name: Citric Acid
Supplier: Shotfeet Limited Unit 2 Ellis Court Manton Park Corby NN17 5DY
Tel: 07703346297
Email: hello@shotfeet.com

2. COMPOSITION / INFORMATION ON INGREDIENTS.

Definition/Botanical Origin: A chemical substance conforming to the empirical formula $C_6H_8O_7$
CAS No: 5949-29-1 Status: chemical Additives: none EINECS: 201-069-1 INCI name; Citric Acid

3. HAZARDS IDENTIFICATION: Xi Irritant.

4. FIRST-AID MEASURES:

INHALATION:	Remove from exposure. Seek medical attention for any breathing difficulty
EYE CONTACT:	Rinse immediately with plenty of water for at least 15 minutes, lifting upper & Lower lids occasionally. Contact a doctor if irritation persist.
SKIN CONTACT:	Wash thoroughly with soap & water, flush with plenty of water for at least 15 minutes. Remove contaminated clothing & shoes. Wash clothing before re-use. Thoroughly clean shoes before re-use. If irritation develops, seek medical advice.
INGESTION:	Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Seek medical attention.
OTHER:	When assessing action take Risk & Safety Phrases into account (Section 15)

5. FIRE FIGHTING MEASURES.

EXTINGUISHING MEDIA

Use

CO₂, Dry Powder or Foam type Extinguishers, spraying
RECOMMENDED: extinguishing media to base of flames. Do not use direct water jet on burning material.

EXTINGUISHING PROCEDURES:

Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

SPECIAL MEASURES:

Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS

As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source. Fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard.

6. ACCIDENTAL RELEASE MEASURES.

PERSONAL PRECAUTIONS:

Avoid contact with skin eyes and clothes. Use individual protective



ENVIRONMENT PRECAUTIONS:

equipment (safety glasses, waterproof-boots, suitable protective clothing).
Keep away from drains, soils, surface & ground waters.



CLEANING UP METHODS
SPILLAGES:

Remove all potential ignition sources. Contain spilled material. Ventilate area of leak or spill, sweep up and remove to an approved disposal container. Observe state, federal & local disposal regulations.

7. HANDLING & STORAGE.

PRECAUTIONS IN HANDLING:

Apply good manufacturing practice & industrial hygiene practices. Observe good personal hygiene, and do not eat, drink or smoke whilst handling. Wear protective goggles and gloves when handling material. Clean cloths must be worn. Observe all warnings and precautions listed for the product.

STORAGE CONDITIONS:

Store in tightly closed original container, in a cool & dry area away from heat sources & protected from light. Avoid dust formation and control ignition sources. Keep air contact to a minimum.

FIRE PROTECTION:

Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION.

RESPIRATORY PROTECTION:

Wear dust masks

HAND PROTECTION:

Wear protective gloves

EYE PROTECTION:

Use safety glasses

WORK/HYGIENE PRACTICES:

Wash hands with soap & water after handling.

9. PHYSICAL & CHEMICAL PROPERTIES.

COLOUR: White

APPEARANCE:

Granular / crystalline powder

ODOUR:

Odourless

MELTING POINT (°C):

>300

ASSAY:

99.5 – 100.5

SULPHATE:

<150 ppm

HEAVY METALS:

<10 ppm

WATER:

<1.0

10. STABILITY & REACTIVITY.

REACTIVITY:

It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with oxidising agents, alkalies, nitrates

DECOMPOSITION:

Thermal decomposition may produce carbon dioxide, carbon monoxide

11. TOXICOLOGICAL INFORMATION. Literature values:

LD₅₀ (Rat) – 11700 mg/kg

LD₅₀ (Mouse) – 5040
mg/kg

Prolonged or repeated exposure may cause allergic reaction in some individuals.

12. ECOLOGICAL INFORMATION.

BIODEGRADABILITY:

No data available

PRECAUTIONS:

Prevent surface contamination of soil, ground & surface water.

13. DISPOSAL CONSIDERATIONS.

Consult with National and Local Authority Regulations. If permitted, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise, transfer to container and arrange removal by a disposal company. Wash the site of spillage thoroughly with detergent & water



14. TRANSPORT REGULATIONS.

Road (ADR/RID): n/a
SEA (IMDG): n/a
AIR (IATA): n/a
CHIP: See section 15

15. REGULATORY INFORMATION.

HAZARDS: Irritant
SYMBOLS: Xi
RISK PHRASES: R 37 Irritating to respiratory system R 38 Irritating to skin
R 41 Risk of serious damage to eyes
SAFETY PHRASES: S 26 In case of contact with eyes, rinse immediately with plenty of Water and seek medical advice
S 36/39 Wear suitable protective clothing and eye/face protection

16. OTHER INFORMATION.

PACKAGING:

Type	Suitability
Glass	Yes
Lacquer lined steel/tin	No
Aluminium	No
HPPE	Yes
F/HDPE	Yes
Other plastic	Yes
Paper / poly bags	Yes

SHELF LIFE

When stored within advised conditions, re-test after 12 months and then at 6 monthly intervals.

Q.C. REQUIREMENTS.

In-line with general product specification. Always satisfy suitability for specific application.

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed, or implied, regarding its' correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage, or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use.