7 Valentine Street
Kewdale WA 6105
PO Box 294
Welshpool Delivery Centre
Western Australia 6986
Telephone: +61 8 9353 2053
Facsimile: +61 8 9353 2054
info@telfordindustries.com.au
www.telfordindustries.com.au

TELFORD INDUSTRIES

Chemicals & Equipment
Industrial
Swimming Pool
Mining
Water Treatment

Cromag Pty Ltd ABN 13 008 935 760
ACN 008 935 760 trading as Telford Industries

MATERIAL SAFETY DATA SHEET

NON-HAZARDOUS SUBSTANCE ACCORDING TO WORKSAFE AUSTRALIA

1. IDENTIFICATION

Product Name: **Telchem Stain Out**

Other Names: Citric Acid, Citric Acid Monohydrate.

Recommended Uses: Used in beverages, confectionary, effervescent salts, pharmaceutical syrups, foods and jams. Also used in various industrial processes.

Supplier Name: Telford Industries
Street Address: 7 Valentine Street, Kewdale WA 6105
Telephone: 1800 835 115
Facsimile: 1800 835 222

Emergency Telephone Number: 0409 313 441

2. HAZARDS IDENTIFICATION

This material is non-hazardous according to health criteria of NOHSC Australia.

Hazard Category:
No data available.

Risk Phrase(s):
No data available.

Safety Phrase(s):
No data available.

3. COMPOSITION / INGREDIENTS INFORMATION

CHEMICAL NAME	CAS NUMBER	PROPORTION
Citric Acid Monohydrate	5949-29-1	100%

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone 131 126)

Inhalation: Remove victim from exposure to fresh air. If rapid recovery does not occur, seek medical attention.

Skin Contact: Remove affected clothing including footwear and wash affected area with a gentle stream of water for 15 minutes. If irritation occurs seek medical advice.

Eye Contact: Immediately flush eyes with plenty of water holding eyelids open. If irritation persists, seek medical attention.

Ingestion: Rinse mouth with water. Give water to drink provided person is conscious. Do NOT induce vomiting. Seek medical attention.

Notes to physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Specific Hazards: Product is a combustible solid.

Fire-fighting further advice: Combustible solid. This product will burn if exposed to fire. The product in sufficient quantity and reduced particle size is capable of creating a dust explosion. Under fire conditions, this product may emit toxic and irritating fumes including carbon monoxide and carbon dioxide.

Suitable extinguishing media: In case of fire, appropriate extinguishing media include dry agent, foam or water mist.

Hazchem Code: Not applicable.

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal: Contain and sweep/shovel up spills with dust binding material or use an industrial vacuum cleaner. Transfer to a suitable, labelled container and hold for safe disposal. Personnel involved in the clean up should wear full protective clothing. Eliminate all sources of ignition. Increase ventilation. Avoid generating dust. Do not allow product to reach drains, sewers or waterways. If the product does enter a waterway, advise the Environmental Protection Authority or your local Waste Management Authority. Use spark-proof tools and equipment.
Dangerous Goods - Initial Emergency Response Guide No: Not applicable.

7. HANDLING AND STORAGE

Handling: Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Take precautionary measures against static discharges by bonding and grounding equipment. Avoid contact with eyes, skin and clothing. Do not breathe dust.

Storage: Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect against physical damage. Store away from incompatible materials including oxidizing agents, combustible materials and sources of ignition. Protect from direct sunlight. Use suitable, approved storage cabinets, tanks, rooms and buildings. This product is not classified dangerous for transport according to The Australian Dangerous Goods Code.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards: No exposure standard has been established for this product by the Australian Safety and Compensation Council (ASCC).

Biological Limit Values: No information available on biological limits for this product.

Engineering Controls: A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

Personal Protective Equipment: RESPIRATOR: If engineering controls are inadequate, wear an approved P1 or P2 particulate filter respirator conforming to AS/NZS1715 and AS/NZS1716. EYES: Wear safety glasses with side shields as described in Australian Standards AS/NZS1337 - Eye Protectors for Industrial Applications. HANDS: Impervious PVC or rubber gloves. CLOTHING: Wear cotton overalls buttoned at the neck and wrist to prevent skin exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance & Odour: Colourless to white crystals/powder, odourless.
pH: Not available
Vapour Pressure: Not available
Vapour Density: Not available
Boiling Point/Range ^{o}C: Not available.
Melting Point/Range ^{o}C: 153^{o}C
Solubility in Water: 100% soluble.
Specific Gravity: 1.665
Flash Point (^{o}C): Not available
Flammability Limits (%): Not available
Ignition Temperature (^{o}C): Not available
Molecular Formula: $C_6H_8O_7.H_2O$
Additional Information:

(Typical values only – consult specification sheet)

10. STABILITY AND REACTIVITY

Chemical Stability: Product is stable under normal conditions of use, storage and temperature.

Conditions to Avoid: Avoid excessive heat, dusty conditions, static charges and exposure to moisture.

Incompatible Materials: Incompatible with oxidizing agents, combustible materials and sources of ignition.

Hazardous Decomposition Products: Under fire conditions, this product may emit toxic and irritating fumes including carbon monoxide and carbon dioxide.

Hazardous Reactions: Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Effects

Inhalation: Inhalation of dusts may irritate the respiratory system.

Skin Contact: Irritating to skin resulting in redness and itching. Prolonged or repeated skin contact may cause defatting leading to dermatitis.

Eye Contact: Irritating to eyes. May cause tearing, stinging, blurred vision and redness.

Ingestion: Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

Long Term Effects: No data available.

Acute Toxicity / Chronic Toxicity: Oral LD50 Rat: 3000mg/Kg

12. ECOLOGICAL INFORMATION

Ecotoxicity: No information available.

Persistence & Degradability: No information available.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Refer to State/Territory Land Waste Management Authority.

14. TRANSPORT INFORMATION

Classified as Non Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG code) for transport by road and rail.

UN No:	Not applicable.
Dangerous goods Class:	Not applicable.
Packing Group:	Not applicable.
Hazchem Code:	Not applicable.
Proper Shipping Name:	CITRIC ACID MONOHYDRATE

15. REGULATORY INFORMATION

Poisons Schedule (Aust): Not applicable.

16. OTHER INFORMATION

Telford Industries reserves the right to change the chemical specifications without notice.

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

This MSDS summarises Telford Industries best knowledge of the health and safety hazard information of the selected substance and how to safely handle the selected substance in the workplace however Telford Industries expressly disclaims that the MSDS is a representation or guarantee of the chemical specifications for the substance.
Each user should read the MSDS and consider the information in the context of how the selected substance will be handled and used in the workplace including its use in conjunction with other substances.

END OF MSDS

TELFORD INDUSTRIES

Telephone: 1800 835 115
Facsimile: 1800 835 222
Email: info@telfordindustries.com.au
Web: www.telfordindustries.com.au