

Material Safety Data Sheet

Issue Date: November 2005

Issued by TMA Corporation

Section 1 Identification of the Material and Supplier

Product Name TMA 725 Stainless steel mesh
Recommended Use Component for TMA Corporation Termimesh System as a physical barrier for termites
Company Name TMA Corporation
Address 48 Century Road, MALAGA Perth WA 6090 Australia
Tel/Fax Tel: 61-8-9249 3868 Fax: 61-8-9249 1021

Section 2 Hazards Identification

NON HAZARDOUS ACCORDING TO THE CRITERIA OF WORKSAFE AUSTRALIA

Poisons Schedule None allocated
Risk phrase(s) None allocated
Safety phrase(s) None allocated
Hazard Category None allocated
UN Number None allocated
Class None allocated
Packing Group None allocated
Hazchem Code None allocated

Section 3 Composition / Information on Ingredients

Ingredients	Name	CAS	Proportion
	Chromium metal	7440-47-3	10-30%
	Nickel metal	7440-02-0	10-30%
	Molybdenum metal	7439-98-07	1-10%
	Other non hazardous ingredients to make up 100%		
	Product may have an oil coating used in the manufacturing process		

Section 4 First Aid Measures

Swallowed TMA 725 is unlikely to be ingested. If swallowed or attempted to be swallowed lacerations to the mouth and throat are the most likely outcome. Treat as for minor cuts and if symptoms persist, seek medical attention.

Eye For irritation hold eyelids open and rinse continuously with clean water for 15 minutes. If a fragment is lodged in or near the eye seek medical attention.

Skin Wash affected area with mild soap and water. Seek medical attention if irritation persists.

Inhaled It is unlikely TMA 725 will be inhaled if used for its intended purpose. If swallowed and symptoms develop, seek medical advice. If TMA 725 is exposed to intense heat or ground to smaller particles, dust or flake may result. Remove to fresh air if dust or flake is inhaled. Keep warm and at rest. If breathing is laboured, hold in an upright position (this assist respiration). Apply artificial respiration if breathing has stopped. Seek URGENT medical attention for all but the most minor cases of over exposure to metal

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Advice to Doctor fumes.
Treat symptomatically.

Section 5 Fire Fighting Measures

Fire Hazards TMA 725 is non-flammable. With intense heat and appropriate oxygen atmosphere the mesh can burn but combustion is not self supporting.

Fire/Expl. Hazard TMA 725 is non-flammable and not explosive.

Extinguishing Media TMA 725 is non-flammable and therefore use media to deal with the surrounding fire.

Hazchem Code None allocated

Section 6 Accidental Release Measures

Spills Scraps and offcuts can be recycled or disposed.

Disposal Dispose of TMA 725 by recycling or disposal to approved landfill.

Section 7 Handling and Storage

Storage Precautions Store in cool; dry environment to maintain optimal material integrity. Keep in original boxes or with original labeling where possible. Do not store where corrosive, acidic or basic materials will contact TMA 725.

Section 8 Exposure Controls / Personal Protection

Exposure Limits The following National Occupational Health and Safety Commission (NOHSC) exposure limits apply

Nickel
(TWA) 1 mg/m³ (as a dust),

Exposure standards represent airborne concentrations of individual chemical substances which, according to current knowledge, should neither impair the health of, nor cause undue discomfort to, nearly all workers.

Except where modified by consideration of excursion limits, exposure standards apply to long term exposure to a substance over an eight-hour day, for a five-day working week, over an entire working life.

Except for short term exposure limits (STELs), or where a peak value has been assigned, the exposure standards for airborne contaminants are expressed as a time-weighted average (TWA) concentration of that substance over an eight-hour working day, for a five-day working week.

From: Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]

Engineering Controls General ventilation is not normally required during recommended use.

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	If heated intensely, ensure adequate ventilation. Use fans if necessary to remove vapours.
Respirator Type (AS 1716)	It is unlikely a respirator will be required unless the mesh is subject to intense heating. Where sufficient ventilation is not available, an approved respirator should be worn. Reference should be made to AS/NZS 1715 Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716 Respiratory Protective Devices.
Eye Protection	If the possibility of eye contact exists, particularly from small fragments, wear eye protection eg. safety glasses with side shields. Consult AS/NZS 1337 –Eye Protectors for Industrial Applications.
Glove Type	Wear leather gloves when handling TMA 725 in a manner likely to cause lacerations.
Clothing	Wear suitable work clothing or long sleeved overalls as appropriate to protect from lacerations. Wear suitable boots to protect from droppage of rolls of TMA 725.

Section 9 Physical and Chemical Properties

Appearance	Silver grey coloured metal wire as fine mesh
Melting Point	Approximately 2550 °C
Boiling Point	No data available
Vapour Pressure	No data available
Specific Gravity	Approximately 7.9
Flash Point	Not applicable
Flamm. Limit LEL	Not applicable
Flamm. Limit UEL	Not applicable
Solubility in Water	Not soluble
Volatile Component	Less than 1% (processing oil)
Autoignition Temp.	Not applicable
pH Value	Not applicable

Section 10 Stability and Reactivity

Stability	Product is considered stable under normal handling conditions.
Materials to Avoid	Avoid contact with all corrosive, and strongly acidic and basic materials.

Section 11 Toxicological Information

Swallowed	TMA 725 is unlikely to be swallowed
Eye	Direct eye contact may cause laceration (from physical invasion) stinging, blurring, tearing and general irritation.
Skin	Skin contact may cause mild irritation or rash.
Inhaled	TMA 725 is unlikely to be inhaled
Chronic	Inhalation of particulate or metal oxide fumes generated during welding, burning, grinding or machining may pose acute or chronic effects. The generation of particulate or metal oxide fumes is unlikely during recommended uses.
Reproductive effects	No known effect
Tetragenicity	No known effect
Mutagenicity	No known effect
Carcinogenicity	TMA 725 is not known to be carcinogenic. Hexavalent

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chromium generation is possible by dissolving TMA 725. Hexavalent chromium is classified by the International Agency for Research on Cancer (I.A.R.C.) in Group 1. ie carcinogenic to humans. The National Toxicology Program (NTP) concluded that there is inadequate evidence for the carcinogenicity of chromium in humans. The NTP has listed nickel as reasonably anticipated to be a carcinogen based on the production of injection-site tumours. The I.A.R.C. found that there was inadequate evidence that metallic nickel is carcinogenic to humans but since there was sufficient evidence that it is carcinogenic to animals, I.A.R.C concluded that metallic nickel is possibly carcinogenic to humans. Epidemiological studies of workers to nickel powder and to dust and fume generated in the production of nickel alloys and stainless steel have not indicated the presence of a significant respiratory cancer hazard. In 1997, the ACGIH categorized elemental nickel as "Not Suspected as a Human carcinogen". OSHA has not classified nickel metal as a carcinogen. Nickel is classified as harmful (Xn) and carcinogen category 3 according to NOHSC. Chromium is not classified by NOHSC Molybdenum is not classified by NOHSC

Acute Toxicity – Oral No data available
Acute Toxicity – Dermal No data available
Acute Toxicity – Inhalation No data available

Section 12 Ecological Information

TMA 725 is not expected to be a hazard to the environment

Section 13 Disposal Considerations

Disposal TMA 725 should be recycled wherever possible. For offcuts and scraps, TMA 725 should be disposed to approved landfill.

Section 14 Transport Information

Proper Shipping Name None allocated
UN Number None allocated
DG Class None allocated
Packing Group None allocated
Hazchem Code None allocated
Transport None allocated

Section 15 Regulatory Information

Risk phrases for nickel are

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R40 - Possible risk of irreversible effects
R43 - May cause sensitization by skin contact
Safety Phrases for nickel are
S(2) - Keep out of the reach of children
S22 - Do not breathe dust
S36 - Wear suitable protective clothing

Section 16	Other Information
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Other Information	nil
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*******END OF MSDS*******