

Safety Data Sheet

according to WHS Regulations

Printing date 23.01.2017

Revision: 23.01.2017

1 Identification

Product Name: TMA 725 STAINLESS STEEL MESH

Recommended Use of the Chemical and Restriction on Use: Physical barrier for termites.

Details of Manufacturer or Importer:

TMA Corporation
48 Century Road
Malaga WA 6090

Phone Number: +61 8 9249 3868

Emergency telephone number: 0419 907 693

2 Hazard(s) Identification

Hazardous Nature:

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)



health hazard

Carcinogenicity 2 H351 Suspected of causing cancer.

STOT RE 1 H372 Causes damage to organs through prolonged or repeated exposure. Route of exposure: Inhalation.



Skin Sensitisation 1 H317 May cause an allergic skin reaction.

Signal Word Danger

Hazard Statements

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer.

H372 Causes damage to organs through prolonged or repeated exposure. Route of exposure: Inhalation.

Precautionary Statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P272 Contaminated work clothing should not be allowed out of the workplace.

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P321 Specific treatment (see on this label).

P308+P313 IF exposed or concerned: Get medical advice/attention.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P314 Get medical advice/attention if you feel unwell.

P302+P352 IF ON SKIN: Wash with plenty of water.

P362+P364 Take off contaminated clothing and wash it before reuse.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national regulations.

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3 Composition and Information on Ingredients

Chemical Characterization: Mixtures**Description:** Mixture of substances listed below with nonhazardous additions.**Hazardous Components:**

7440-47-3	Chromium	10 - 30%
7440-02-0	Nickel	10 - 30%
	☠ Carcinogenicity 2, H351; STOT RE 1, H372; ⚠ Skin Sensitisation 1, H317	
7439-98-7	Molybdenum	1 - 10%

Additional information:

TMA 725 stainless steel mesh in its solid state do not present inhalation, skin or ingestion hazards. However, welding, cutting, brazing, grinding and machining may produce dust or fumes which could be inhaled and be potentially hazardous.

Product may have an oil coating used in the manufacturing process.

4 First Aid Measures

Inhalation:

Inhalation is unlikely under normal conditions of use. However, welding, cutting, brazing, grinding and machining may produce dust or fumes which could be inhaled and be potentially hazardous. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye irritation, hold eyelids open and rinse with water for at least 15 minutes. Seek medical attention if symptoms persist. If a fragment is lodged in the eye seek immediate medical attention.

Ingestion:

Inhalation is unlikely under normal conditions of use. It may cause lacerations. Seek medical attention.

Symptoms Caused by Exposure:

Inhalation: Dust may cause irritation of the nose, throat, and lungs. Excessive inhalation of metallic fumes and dust may result in metal fume fever, an influenza-like illness characterized by a sweet or metallic taste in the mouth accompanied by dryness and irritation of the throat, cough, shortness of breath, pulmonary edema, general malaise, weakness, fatigue, muscle and joint pains, blurred vision, fever, and chills. Typical symptoms last from 12 to 48 hours.

Skin Contact: Dust or particulates may cause mechanical irritation due to abrasion. Some components are capable of causing an allergic reaction, possibly resulting in burning, itching, and skin eruptions.

Eye Contact: May cause mechanical irritation including pain and redness. Rubbing of the eye may result in scratching of the cornea.

Ingestion: Ingestion is unlikely under normal conditions of use. May cause laceration if swallowed.

5 Fire Fighting Measures

Suitable Extinguishing Media:

Use dry powder or sand for molten metal. For steel dust use dry sand, water spray or foam. Do not use water as extinguishing media for molten metal. Do not use carbon dioxide for molten metal or dust.

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Specific Hazards Arising from the Chemical:

Hazardous combustion products include metal oxide fumes.
Stainless steel mesh does not present fire or explosion hazards under normal conditions.
High concentrations of combustible metallic fines in the air may present an explosion hazard.

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear approved respiratory protection, chemical resistant gloves, safety glasses, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe fumes/dust. Ensure adequate ventilation.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Collect scraps and off-cuts and place in suitable containers for subsequent disposal. The product can be recycled or disposed of at an approved landfill.

7 Handling and Storage

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust/fumes. Use good housekeeping practices to prevent accumulations of dust. Generation of particulates or metal oxide fumes is not expected under normal conditions of use.

Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep in original packaging. Protect from strong acids and bases. Avoid generating dust.

8 Exposure controls and personal protection

Exposure Standards:**7440-47-3 Chromium**NES TWA: 0.5 mg/m³**7440-02-0 Nickel**NES TWA: 1 mg/m³
Metal: Sen**7439-98-7 Molybdenum**NES TWA: 10* 5** mg/m³
as Mo; *insoluble comp.; **soluble comp.

Engineering Controls: Natural ventilation should be adequate under normal use conditions.

Respiratory Protection:

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Generation of particulates or metal oxide fumes is not expected under normal conditions of use. Respiratory protection is not required under normal use conditions.

Use an approved respirator under conditions where exposure to the substance is apparent (e.g. material is exposed to intense heating) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

Leather/pigskin gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information.

When selecting hand protection, the product should comply with relevant performance criteria. For example, gloves should meet a suitable level of abrasion resistance to provide protection against hazards of a workplace.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:

Eye and face protectors for protection against dust. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 Physical and Chemical Properties

Appearance:

Form:	Solid metal wire as a fine mesh.
Colour:	Silver grey
Odour:	No information available
Odour Threshold:	No information available
pH-Value:	Not applicable.
Melting point/freezing point:	~2550 °C
Initial Boiling Point/Boiling Range:	No information available
Flash Point:	Not applicable
Flammability:	Product is not flammable.
Auto-ignition Temperature:	Not applicable
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	Not applicable
Upper:	Not applicable
Vapour Pressure:	No information available
Relative Density:	~7.9
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Insoluble
Partition Coefficient (n-octanol/water):	No information available

10 Stability and Reactivity

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid: Welding, cutting or grinding may cause metal fumes or dust.

Incompatible Materials: Strong acids and bases.

Hazardous Decomposition Products: Metal oxide fumes.

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11 Toxicological Information

Toxicity:**LD₅₀/LC₅₀ Values Relevant for Classification:** No information available**Acute Health Effects****Inhalation:**

Dust may cause irritation of the nose, throat, and lungs. Excessive inhalation of metallic fumes and dust may result in metal fume fever, an influenza-like illness characterized by a sweet or metallic taste in the mouth accompanied by dryness and irritation of the throat, cough, shortness of breath, pulmonary edema, general malaise, weakness, fatigue, muscle and joint pains, blurred vision, fever, and chills. Typical symptoms last from 12 to 48 hours.

Skin:

Dust or particulates may cause mechanical irritation due to abrasion. Some components are capable of causing an allergic reaction, possibly resulting in burning, itching, and skin eruptions.

Eye:

Dust may cause mechanical irritation including pain and redness. Rubbing of the eye may result in scratching of the cornea.

Ingestion: Ingestion is unlikely under normal conditions of use. May cause laceration if swallowed.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.

Serious Eye Damage / Irritation: Based on classification principles, the classification criteria are not met.

Respiratory or Skin Sensitisation: May cause an allergic skin reaction.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity:

Suspected of causing cancer.

Nickel, metallic and alloys is classified by IARC as Group 2B - Possibly carcinogenic to humans.

Chromium, metallic is classified by IARC as Group 3 - Not classifiable as to its carcinogenicity to humans.

Nickel is classified by Safe Work Australia as Carcinogen Category 3.

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Single Exposure:

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Causes damage to organs through prolonged or repeated exposure. Route of exposure: Inhalation.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

Chronic Health Effects:

Chronic overexposure to iron oxide fumes may cause benign pneumoconiosis with symptoms that include chronic bronchitis, emphysema, and shortness of breath upon exertion.

prolonged and

Chronic overexposure to chromium dusts or fumes may cause skin ulcers, nasal irritation and ulceration, kidney damage and cancer of the respiratory system. Chromium is a skin sensitizer.

Prolonged and repeated contact with nickel may cause sensitization dermatitis. Inhalation of nickel compounds has caused lung damage as well as sinus, nasal and lung cancer in laboratory animals.

Existing Conditions Aggravated by Exposure: Pre-existing skin and respiratory disorders.

Additional toxicological information:

Inhalation of metal oxide fumes generated from welding, burning or grinding may cause metal fume fever. Symptoms are generally flu-like including fever, chills, nausea, headache, fatigue, muscle aches, joint pains, lack of appetite, shortness of breath, pneumonia, chest pain, blood pressure change, and cough. A sweet or metallic taste in the mouth may also be reported along with a dry or irritated throat which may lead to

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hoarseness. They are first experienced about 8 to 12 hours after inhalation of the metal oxide.

12 Ecological Information

Ecotoxicity: No information available**Aquatic toxicity:** No information available**Persistence and Degradability:** No information available**Bioaccumulative Potential:** No information available**Mobility in Soil:** No information available**Other adverse effects:** No information available

13 Disposal considerations

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

14 Transport information

UN Number Not regulated**Proper Shipping Name** Not regulated**Dangerous Goods Class** Not regulated**Packing Group:** Not regulated

15 Regulatory information

Australian Inventory of Chemical Substances:

7440-47-3	Chromium
7440-02-0	Nickel
7439-98-7	Molybdenum

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:

Not Scheduled.

16 Other information

Date of Preparation or Last Revision: 23.01.2017**Prepared by:** MSDS.COM.AU Pty Ltdwww.msds.com.au**Abbreviations and acronyms:**

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC₅₀: Lethal concentration, 50 percentLD₅₀: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Skin Sensitisation 1: Skin sensitisation, Hazard Category 1

Carcinogenicity 2: Carcinogenicity – Category 2

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

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Disclaimer

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