



**Consolidated Alloys**  
A Division of C.A. Group Australasia Pty. Ltd.  
ABN 83 005 084 097 ACN 005 084 097

Head Office : 32 Industrial Avenue Thomastown, Victoria 3074  
AUSTRALIA  
Mail : PO Box 199, Reservoir, Victoria 3073  
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Telephone : (03) 9359 5811  
Facsimile : (03) 9359 4076  
E-mail : info@cagroup.com.au

Reference No. : D402  
Product Name : Malthoid

## MATERIAL SAFETY DATA SHEET

### Section 1 : IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **MALTHOID**  
Other Names: **Bitumen Impregnated 2 Ply Felt, Bitumen Felt Dampcourse**  
Recommended Use: Used in the building industry as a dampcourse in brick and blockwork walls or for waterproofing of flat roofs. Also used under corrugated iron water tanks to prevent condensation corrosion.

#### Supplier's / Manufacturer's

Name: Consolidated Alloys  
Address: 32 Industrial Avenue, Thomastown, Victoria 3074, AUSTRALIA  
Telephone No.: (03) 9359 5811  
Emergency No.: (03) 9359 5811 – Business Hours only  
0439 062 480 – After Hours (24Hrs)  
Poisons Information Centre  
Victoria  
Telephone No.: 131126

### Section 2 : HAZARD IDENTIFICATION

Hazard Classification according to criteria of Worksafe Australia.

Risk Phrase(s) R42/43 May cause sensitisation by inhalation and skin contact.

Safety Phrase(s) S37/39 Wear suitable gloves and eye/face protection.



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### Section 3 : COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Entity	Proportion	CAS Number
Polymer	75 – 85%	7429-90-5
Bitumen Oxidised	15 – 25%	64742-93
Quartz Sand	0 – 5%	14808-60-7

### Section 4 : FIRST AID MEASURES

Description of necessary measures according to route of exposure.

Ingestion:	Due to product form and application, ingestion is considered unlikely. Contact the Poisons Information Centre on 13 11 26 or a doctor.
Eye:	In cases where the molten material comes into contact with the eyes, hold eye(s) open and flush the eye(s) with running water for at least 15 minutes. Make no attempt to remove particles of the substance and seek medical attention to ensure complete removal. In case of irritation caused by fumes, rinse eyes with plenty of cold water.
Skin:	In cases where material in the molten state comes into contact with the skin, cool material as quickly as possible with water and seek medical advice for removal of the adhered material and treatment of the burn. Remove contaminated clothing and wash skin thoroughly with soap and water. Launder contaminated clothing before re-use.
Inhalation:	In cases of anomalous inhalation of vapours during torching, especially in confined spaces, remove the person from exposure to fresh air. If irritation persists seek medical attention.
Medical Attention and Special Treatment:	Treat specific symptoms.

#### Additional information

Aggravated Medical Conditions Caused by Exposure:	Persons with impaired respiratory function, airway diseases and conditions such as emphysema or chronic bronchitis, may incur further discomfort if excessive concentrations of particulate are inhaled.
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### Section 5 : FIRE FIGHTING MEASURES

Extinguishing Media: Water spray or fog, Carbon Dioxide, Dry Chemical Powder or Foam.

Hazardous Combustion Products: Non combustible, however when heated asphalt fumes may be emitted.

Special Protective Equipment: Fire fighters should wear self contained breathing apparatus (SCBA) and full protective clothing along with protective equipment.

HAZCHEM CODE: None Allocated

### Section 6 : ACCIDENTAL RELEASE MEASURES

Emergency Procedures: Personnel involved in the clean up should wear protective clothing such as dust-proof goggles, gloves, a Class P2 (Particulate) respirator and coveralls.

#### Methods and Materials for Containment and Clean Up Procedures

Spillage: Sweep, scoop or pick-up any off cuts and damaged pieces and place in a convenient waste disposal container for safe disposal to an approved landfill.

*For Personal Protective Equipment (PPE) - refer to Section 8 of this MSDS (if required)*



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### Section 7 : HANDLING AND STORAGE

Precautions for Safe Handling: Use safe work practices to avoid eye or skin contact and inhalation. Prohibit eating, drinking and smoking in contaminated areas. Wash hands with soap and water before eating. Since the weight of the rolls vary, you must follow manual handling procedures and use lifting equipment such as forklift trucks where necessary.

Conditions for Safe Storage: Store the rolls in an upright position under cover in a dry, well ventilated area, protected from the sun (temperature ranging between 0°C and 40°C). Keep away from heat sources and physical damage when not in use.

### Section 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards – *as regulated by:* Worksafe Australia

Chemical Name ES – TWA ES - STEL

Asphalt Fumes 0.5 mg/m<sup>3</sup>

Biological Limit Values No data available.

Engineering Controls: The application of this product in buildings is carried out in well ventilated areas, hence general and/or local exhaust ventilation must be provided to control airborne dust levels below exposure limits when working in enclosed areas.

#### *Personal Protective Equipment (PPE)*

Eye / Face Protection: Wear goggles, safety glasses or full face shield.

Skin Protection: Wear gloves, coveralls and safety boots.

Respiratory Protection: Use a NIOSH/MSHA approved dust respirator with an AP filter.



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### Section 9 : PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Sheeting in Rolls.  
Colour: Black, Coated with Quartz Sand.  
Odour: Mildly Bituminous  
Vapour Pressure: N/A  
Vapour Density: N/A  
Boiling Point: > 470°C Approx (Bitumen)  
Melting Point: > 100°C Approx Bitumen)  
Solubility in Water: Insoluble  
Specific Gravity: 1.0 – 1.3  
Flash Point: 265 – 310°C Closed Cup  
pH: N/A

*For Flammable Limits (as a percentage volume in air)*

Lower Explosion Limit : N/A  
Upper Explosion Limit : N/A  
Ignition Temperature: > 485°C Approx (Bitumen)  
Specific Heat Value : 9000 kcal/kg  
Particle Size: N/A  
Volatile Organic Compounds (VOC) Content N/A  
Evaporation Rate : N/A  
Viscosity : N/A  
Percent Volatile : N/A  
Octanol/Water partition coefficient : N/A  
Saturated Vapour Concentration : N/A  
Additional Characteristics N/A  
Flame Propagation/Burning Rate of Solid Materials : N/A  
Properties of material that may initiate or contribute to fire intensity : N/A  
Potential for Dust Explosion : N/A  
Reactions that Release Flammable Gases : N/A  
Fast or Intensely Burning Characteristics : N/A  
Non-Flammables that could contribute unusual hazards to a fire : N/A  
Release of invisible flammable vapour and gases : Nil  
Decomposition Temperature : N/A

Additional Information

Molecular Weight : N/A  
Solubility : Insoluble in Water.



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### Section 10 : STABILITY AND REACTIVITY

Chemical Stability:	The product is stable.
Conditions to Avoid:	Avoid heat and moisture. Avoid heating beyond limit temperatures.
Incompatible Materials:	No reported incompatibilities.
Hazardous Decomposition Products:	The bitumen will burn in fire a situation or if heated over 200°C.
Hazardous Reactions:	None

### Section 11 : TOXICOLOGICAL INFORMATION

Toxicity Data:	The product is based on bitumen and thermoplastic polymers. There is no coal tar, crude tar, coal tar or asbestos. As such, it constitutes no type of danger. When molten, the compound or the added bitumen can cause scalding. Improper use during the application of the product, without regard for the precautions listed in section 7 and 8, may result in irritation to the eyes, respiratory tract and to the skin with sensitisation and possible dermatitis and conjunctivitis.
Ingestion:	Unlikely to occur due to product form, but would be expected to cause stomach irritation if ingested.
Eye:	The quartz sand may be mildly discomforting and abrasive to the eyes. Repeated exposure of vapours may cause conjunctivitis.
Skin:	Prolonged exposure of the product may cause dermatitis.
Inhalation:	Repeated exposure of vapours may result in irritation to the upper respiratory tract and lungs.



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### Section 12 : ECOLOGICAL INFORMATION

Ecotoxicity:	Ensure appropriate measures are taken to prevent this product from entering the environment.
Persistence / Degradability:	No data available.
Mobility:	No data available.
Environmental Fate:	Avoid release into the environment by adopting sound working practices.
Bioaccumulative Potential :	No data available.

### Section 13 : DISPOSAL CONSIDERATIONS

Disposal Methods:	Place in containers and dispose of to an approved landfill.
Special Precautions for Landfill or Incineration:	Dispose of in accordance with all Local, State and Federal regulations at an approved waste disposal facility.

*The Disposal Considerations mentioned above applies to the material / product described in this MSDS as manufactured. Further processing, use, or contamination of the product may make the information inappropriate, inaccurate or incomplete.*

### Section 14 : TRANSPORT INFORMATION

UN Number:	None Allocated
UN Shipping Name:	N/A
Dangerous Goods Class:	None Allocated
Packing Group:	None Allocated
Special Precautions / Requirement:	N/A
HAZCHEM Code:	None Allocated

Additional Information – Material for Export:	N/A
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### Section 15 : REGULATORY INFORMATION

Poison Schedule Number: None Allocated  
EPG : N/A  
AICS Name : N/A  
NZ Toxic Substance N/A

### Section 16 : OTHER INFORMATION

Last Revision: 25/02/2009

THIS MATERIAL SAFETY DATA SHEET IS OFFERED SOLELY FOR YOUR INFORMATION, CONSIDERATION AND INVESTIGATION. CONSOLIDATED ALLOYS PROVIDES NO WARRANTIES, EITHER EXPRESSED OR IMPLIED AND ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS OF THE DATA CONTAINED HEREIN. MATERIAL USE IS BEYOND THE CONTROL OF SUPPLIER.

----- End of MSDS -----