

# Material Safety Data Sheet

Product Name **MONT MARTE AIR HARDENING MODELLING CLAY**

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Supplier Name** MONT MARTE INTERNATIONAL PTY LTD  
**Address** 27 Pentex Street, Salisbury, Queensland, AUSTRALIA, 4107  
**Telephone** 07 3255 5406  
**Fax** 07 3255 5409  
**Emergency** 13 11 26  
**Synonym(s)** AIR HARDENING MODELLING CLAY  
**Use(s)** MODELLING CLAY  
**SDS Date** 26 May 2011

## 2. HAZARDS IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

**UN No.** None Allocated      **DG Class** None Allocated      **Subsidiary Risk(s)** None Allocated  
**Packing Group** None Allocated      **Hazchem Code** None Allocated

## 3. COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredient	Formula	CAS No.	Content
TALC	H2-O3-Si.3/4Mg	14807-96-6	>60%
WATER	H2O	7732-18-5	20-40%
CALCIUM CARBONATE	Ca-C-O3	471-34-1	<5%
IRON (III) OXIDE	Fe2-O3	1309-37-1	<5%
PROPYLENE GLYCOL (PROPANE-1,2-DIOL)	C3-H8-O2	57-55-6	<5%
1,3-BIS(HYDROXYMETHYL)-5,5-DIMETHYLHYDANTOIN	C7-H12-N2-O4	6440-58-0	<1%

## 4. FIRST AID MEASURES

**Eye** If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.

**Inhalation** If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

**Skin** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor.

**Ingestion** For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.

**Advice to Doctor** Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

**Flammability** Non flammable. May evolve toxic gases if strongly heated.

**Fire and Explosion** No fire or explosion hazard exists.

**Extinguishing** Prevent contamination of drains or waterways.

**Hazchem Code** None Allocated

## 6. ACCIDENTAL RELEASE MEASURES

**Spillage** If spilt, collect and reuse where possible. Use personal protective equipment. Contain spillage, then collect and place in suitable containers for disposal. Clean spill site with water.

## 7. STORAGE AND HANDLING

**Storage** Store in a cool, dry, well ventilated area, removed from oxidising agents, alkalis, acids and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use.

**Handling** Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

### Exposure Stds

Ingredient	Reference	TWA		STEL	
Calcium carbonate	SWA (AUS)	--	10 mg/m <sup>3</sup>	--	--
Iron oxide fume (Fe <sub>2</sub> O <sub>3</sub> ) (as Fe)	SWA (AUS)	--	5 mg/m <sup>3</sup>	--	--
Propane-1,2-diol (particulates only)	SWA (AUS)	--	10 mg/m <sup>3</sup>	--	--
Propane-1,2-diol (total vapour & particulates)	SWA (AUS)	150 ppm	474 mg/m <sup>3</sup>	--	--
Talc (no asbestos fibres)	SWA (AUS)	--	2.5 mg/m <sup>3</sup>	--	--

**Biological Limits** No biological limit allocated.

**Engineering Controls** Avoid inhalation. Use in well ventilated areas. Maintain dust / vapour levels below the recommended exposure standard.

**PPE** Personal Protective Equipment is not required under normal conditions of use. With prolonged use, wear: PVC or rubber gloves.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	PASTE	<b>Solubility (water)</b>	DISPERSIBLE
<b>Odour</b>	ODOURLESS	<b>Specific Gravity</b>	1.9 to 2.0
<b>pH</b>	6 to 7	<b>% Volatiles</b>	NOT AVAILABLE
<b>Vapour Pressure</b>	NOT AVAILABLE	<b>Flammability</b>	NON FLAMMABLE
<b>Vapour Density</b>	NOT AVAILABLE	<b>Flash Point</b>	NOT RELEVANT
<b>Boiling Point</b>	NOT AVAILABLE	<b>Upper Explosion Limit</b>	NOT RELEVANT
<b>Melting Point</b>	NOT AVAILABLE	<b>Lower Explosion Limit</b>	NOT RELEVANT
<b>Evaporation Rate</b>	NOT AVAILABLE		
<b>Autoignition Temperature</b>	NOT AVAILABLE	<b>Decomposition Temperature</b>	NOT AVAILABLE
<b>Partition Coefficient</b>	NOT AVAILABLE	<b>Viscosity</b>	NOT AVAILABLE

## 10. STABILITY AND REACTIVITY

**Chemical Stability** Stable under recommended conditions of storage.

**Conditions to Avoid** Avoid contact with incompatible substances.

**Material to Avoid** Incompatible with oxidising agents (eg. hypochlorites), acids (eg. nitric acid) and alkalis (eg. hydroxides).

**Hazardous Decomposition Products** May evolve toxic gases if heated to decomposition.

### Hazardous Reactions

Polymerization is not expected to occur.

## 11. TOXICOLOGICAL INFORMATION

<b>Health Hazard Summary</b>	Low toxicity. Under normal conditions of use, adverse health effects are not anticipated. Due to the product form and low volatility, an inhalation hazard is not anticipated unless product is heated.
<b>Eye</b>	Low irritant. Contact may result in irritation, lacrimation and redness.
<b>Inhalation</b>	Exposure considered unlikely. Due to product form and nature of use, an inhalation hazard is not anticipated with normal use.
<b>Skin</b>	Low irritant. Prolonged or repeated contact may result in mild irritation.
<b>Ingestion</b>	Low toxicity. Ingestion is considered unlikely due to product form. However, ingestion via hand-mouth transfer may result in gastrointestinal irritation, nausea and vomiting. Maintain good personal hygiene standards.
<b>Toxicity Data</b>	TALC (14807-96-6) TCLo (Inhalation): 18 mg/m <sup>3</sup> /6 hour/2 year-intermittent (rat) CALCIUM CARBONATE (471-34-1) LD50 (Ingestion): 6450 mg/kg (rat) IRON (III) OXIDE (1309-37-1) LDLo (Subcutaneous): 30 mg/kg (dog) PROPYLENE GLYCOL (PROPANE-1,2-DIOL) (57-55-6) LD50 (Ingestion): > 2080 mg/kg (quail) LD50 (Intraperitoneal): 6660 mg/kg LD50 (Intravenous): 2600 mg/kg (dog) LD50 (Skin): 20800 mg/kg (rabbit) LD50 (Subcutaneous): 17370 mg/kg (mouse) LDLo (Intramuscular): 6300 mg/kg (rabbit) LDLo (Subcutaneous): 15500 mg/kg (guinea pig) TDLo (Ingestion): 79 g/kg/56 weeks intermittently (child) 1,3-BIS(HYDROXYMETHYL)-5,5-DIMETHYLHYDANTOIN (6440-58-0) LD50 (Ingestion): 2000 mg/kg (rat) LD50 (Intraperitoneal): 1320 mg/kg (mouse)

## 12. ECOLOGICAL INFORMATION

<b>Environment</b>	Limited ecotoxicity data was available for this product at the time this report was prepared. Ensure appropriate measures are taken to prevent this product from entering the environment.
--------------------	--

## 13. DISPOSAL CONSIDERATIONS

<b>Waste Disposal</b>	For small amounts absorb with sand, vermiculite or similar and dispose of to an approved landfill site. Contact the manufacturer for additional information if larger amounts are involved.
<b>Legislation</b>	Dispose of in accordance with relevant local legislation.

## 14. TRANSPORT INFORMATION

### NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

<b>Shipping Name</b>	None Allocated			
<b>UN No.</b>	None Allocated	<b>DG Class</b>	None Allocated	<b>Subsidiary Risk(s)</b> None Allocated
<b>Packing Group</b>	None Allocated	<b>Hazchem Code</b>	None Allocated	

## 15. REGULATORY INFORMATION

<b>Poison Schedule</b>	A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).
<b>AICS</b>	All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

## 16. OTHER INFORMATION

<b>Additional Information</b>	ABBREVIATIONS: ACGIH - American Conference of Industrial Hygienists. ADG - Australian Dangerous Goods. BEI - Biological Exposure Indice(s). CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds. CNS - Central Nervous System. EC No - European Community Number. HSNO - Hazardous Substances and New Organisms.
-------------------------------	--

**Product Name**      **MONT MARTE AIR HARDENING MODELLING CLAY**

IARC - International Agency for Research on Cancer.  
mg/m<sup>3</sup> - Milligrams per Cubic Metre.  
NOS - Not Otherwise Specified.  
pH - relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).  
ppm - Parts Per Million.  
RTECS - Registry of Toxic Effects of Chemical Substances.  
STEL - Short Term Exposure Limit.  
SWA - Safe Work Australia.  
TWA - Time Weighted Average.

**HEALTH EFFECTS FROM EXPOSURE:**

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a ChemAlert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

**PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:**

The recommendation for protective equipment contained within this ChemAlert report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

**Report Status**

This document has been compiled by RMT on behalf of the manufacturer of the product and serves as the manufacturer's Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer.

While RMT has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

**Prepared By**

Risk Management Technologies  
5 Ventnor Ave, West Perth  
Western Australia 6005  
Phone: +61 8 9322 1711  
Fax: +61 8 9322 1794  
Email: info@rmt.com.au  
Web: www.rmt.com.au

**SDS Date** 26 May 2011

**End of Report**