


**UNIMIN**

# Material Safety Data Sheet

UNIMIN TALC PRODUCTS GROUP 2
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**Infosafe™ No.** LPSIZ      **Issue Date** March 2010      **Status** ISSUED by UNIMINAU      **BS:** 1.9.40

**Not classified as hazardous according to criteria of NOHSC**

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## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

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**Product Name** UNIMIN TALC PRODUCTS GROUP 2  
**Product Code**  
**Company Name** Unimin Australia Limited (ABN 20 000 971 844)  
**Address** 49-55 Woodlands Drive Braeside  
 Victoria 3195  
**Emergency Tel.** 1800 638 556  
**Telephone/Fax Number** Tel: (03) 9586 5400  
 Fax: (03) 9586 5413  
**Recommended Use** Used in paints, adhesives, plastics and rubber industries.

Other Names	Name	Product Code
	T38B	
	T45B	
	Talc T38B	
	Talc T45B	

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## 2. HAZARDS IDENTIFICATION

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**Hazard Classification** NON-HAZARDOUS SUBSTANCE.  
 NON-DANGEROUS GOODS.  
  
 Hazard classification according to the criteria of NOHSC.  
 Dangerous goods classification according to the Australia  
 Dangerous Goods Code.

**Safety Phrase (s)** S22 Do not breathe dust.  
 S38 If insufficient ventilation, wear suitable respiratory

equipment.

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

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**Information on Composition** Talc: Hydrated magnesium silicate  
Chlorite: Magnesium aluminium silicate  
Dolomite: Magnesium calcium carbonate

Ingredients	Name	CAS	Proportion
	Talc (containing no asbestos fibres)	14807-96-6	>90-100 %
	Chlorite/Dolomite		0-<10 %
	Crystalline Silica (Quartz)	14808-60-7	0-<2 %

**Other Information** The respirable fraction of free crystalline silica is less than 1%.

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### 4. FIRST AID MEASURES

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**Inhalation** If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms persist seek medical attention.

**Ingestion** Do not induce vomiting. Wash out mouth with water. If symptoms develop seek medical attention.

**Skin** Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. If symptoms develop seek medical attention.

**Eye** If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and persist seek medical attention.

**First Aid Facilities** Eye wash and normal washroom facilities.

**Advice to Doctor** Treat symptomatically.

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### 5. FIRE FIGHTING MEASURES

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**Suitable Extinguishing Media** Use appropriate fire extinguisher for surrounding materials involved in the fire.

**Hazards from Combustion Products** Smoke, fumes and dust may be generated in a large fire.

<b>Specific Hazards</b>	The product is not combustible, however the packaging may burn under fire conditions.
<b>Precautions in connection with Fire</b>	Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode. Water spray may be used to keep fire exposed containers cool.
<b>Unsuitable Extinguishing Media</b>	Do not use water jets.

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## 6. ACCIDENTAL RELEASE MEASURES

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<b>Emergency Procedures</b>	Increase ventilation. Wear appropriate personal protective equipment and clothing to prevent exposure. Evacuate all unprotected personnel. Sweep or vacuum material avoiding dust generation or dampen spilled material with water to suppress airborne dust. Transfer material to a suitable, labelled container for subsequent recycling or disposal. If this material enters the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.
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## 7. HANDLING AND STORAGE

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<b>Precautions for Safe Handling</b>	Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of dust in the work atmosphere. Avoid inhalation of dust, and skin or eye contact. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.
<b>Conditions for Safe Storage</b>	Store in a cool, dry, well-ventilated area. Protect containers/bags from damage. Avoid generation of dust.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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<b>National Exposure Standards</b>	<p>No value is assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC) Australia, however the available exposure limits for dusts not otherwise specified and the ingredients as provided by NOHSC are as follows:</p> <p>Substance TWA ppm mg/m<sup>3</sup> Dust (inspirable fraction) - 10 Talc, containing no asbestos fibres - 2.5 Crystalline silica (quartz) - 0.1</p> <p>TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.</p>
<b>Biological Limit Values</b>	No Biological limit available.

<b>Engineering Controls</b>	Provide sufficient ventilation to keep airborne levels below the exposure limits. Where dust is generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system is required.
<b>Respiratory Protection</b>	If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable particulate filter (P1 & P2) should be used. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.
<b>Eye Protection</b>	Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.
<b>Hand Protection</b>	Wear gloves of impervious material conforming to AS/NZS 2161: Occupational protective gloves - Selection, use and maintenance. Final choice of appropriate glove type will vary according to individual circumstances. This can include methods of handling, and engineering controls as determined by appropriate risk assessments.
<b>Body Protection</b>	Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance</b>	White or off-white powder with a pearly lustre.
<b>Odour</b>	Odourless
<b>Melting Point</b>	900°C to 1000°C
<b>Boiling Point</b>	Not applicable
<b>Solubility in Water</b>	Insoluble
<b>Specific Gravity</b>	2.74
<b>pH Value</b>	9.3 (25% slurry)
<b>Vapour Pressure</b>	Not applicable
<b>Flash Point</b>	Not applicable.
<b>Flammability</b>	This product is not combustible.
<b>Auto-Ignition Temperature</b>	Not applicable
<b>Flammable Limits - Lower</b>	Not applicable

**Flammable  
Limits - Upper** Not applicable

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## 10. STABILITY AND REACTIVITY

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**Chemical  
Stability** Stable under normal conditions of storage and handling.

**Conditions to  
Avoid** Dampness.

**Incompatible  
Materials** Strong oxidising agents.

**Hazardous  
Decomposition  
Products** Thermal decomposition may result in the release of toxic and/or irritating fumes.

**Hazardous  
Polymerization** Will not occur.

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## 11. TOXICOLOGICAL INFORMATION

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**Toxicology  
Information** No toxicity data available for this product.

**Inhalation** Inhalation may cause the drying and irritation of the respiratory tract. Acute aspiration of talc causes cough, dyspnea, sneezing, vomiting, cyanosis, and pulmonary edema which may be delayed by up to several hours.

**Ingestion** Ingestion of large amounts may irritate the gastric tract causing nausea and vomiting.

**Skin** Skin contact may cause dryness. May cause mild irritation in the case of some individuals with sensitive skin.

**Eye** Eye contact may cause mechanical irritation.

**Chronic Effects** Prolonged or concentrated inhalation may cause talcosis, a pulmonary fibrosis which may in turn lead to severe and permanent damage to the lungs. Effects may include shortness of breath and coughing.  
Breathing of dust may aggravate asthma and inflammatory or fibrotic pulmonary disease. Prolonged or repeated contact with the skin in the absence of proper hygiene, may cause dryness and dermatitis.

**Carcinogenicity** According to International Agency for Research on Cancer (IARC), talc not containing asbestiform fibres is 'not classifiable as to its carcinogenicity to humans (Group 3)'. The product contains a small proportion of respirable crystalline silica as quartz (<1%). Crystalline silica has been classified by International Agency for Research on Cancer (IARC) as carcinogenic to humans by inhalation (Group 1). Furthermore, crystalline silica can cause silicosis or other lung diseases on prolonged exposure.

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## 12. ECOLOGICAL INFORMATION

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<b>Ecotoxicity</b>	Not available
<b>Persistence / Degradability</b>	Not available
<b>Mobility</b>	Not available
<b>Environment Protection</b>	Do not allow product to enter drains, waterways or sewers.

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## 13. DISPOSAL CONSIDERATIONS

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<b>Disposal Considerations</b>	The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.
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## 14. TRANSPORT INFORMATION

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<b>Transport Information</b>	The product is not classified as Dangerous Goods, according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)
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## 15. REGULATORY INFORMATION

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<b>Regulatory Information</b>	Not classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia. Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).
<b>Poisons Schedule</b>	Not Scheduled

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## 16. OTHER INFORMATION

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<b>Date of preparation or last revision of MSDS</b>	MSDS Reviewed: March 2010 Supersedes: April 2005
<b>Contact Person/Point</b>	Emergency Advice: ACOHS ERS - 1800 638 556 (24 Hours)

PLEASE NOTE:  
The information contained herein is based on data available to Unimin Australia Limited from both our own technical sources and from recognised published references and is believed to be both accurate and reliable. Unimin Australia Limited has made no

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End of MSDS

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