


UNIMIN

Material Safety Data Sheet

UNIMIN TALC PRODUCTS GROUP 1

Infosafe™ LPSNQ **Issue Date** March 2010 **Status** ISSUED by BS: 1.9.40
No. UNIMINAU

Classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name UNIMIN TALC PRODUCTS GROUP 1
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
	T20A	
	T25A	
	T30A	
	TX15M	
	Talc T20A	
	Talc T25A	
	Talc T30A	
	Talc TX15M	

2. HAZARDS IDENTIFICATION

Hazard Classification HAZARDOUS SUBSTANCE.
 NON-DANGEROUS GOODS.

Hazard classification according to the criteria of NOHSC.

Dangerous goods classification according to the Australia Dangerous Goods Code.

Risk Phrase(s) R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

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 2%.

4. FIRST AID MEASURES

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.

5. FIRE FIGHTING MEASURES

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.
Specific Hazards	The product is not combustible, however the packaging may burn under fire conditions.
Precautions in connection with Fire	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.
Unsuitable Extinguishing Media	Do not use water jets.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures	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

Precautions for Safe Handling	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.
Conditions for Safe Storage	Store in a cool, dry, well-ventilated area. Protect containers/bags from damage. Avoid generation of dust.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	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: Substance TWA ppm mg/m ³ Dust (inspirable fraction) - 10 Talc, containing no asbestos fibres - 2.5 Crystalline silica (quartz) - 0.1
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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.

Biological Limit Values	No Biological limit available.
Engineering Controls	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.
Respiratory Protection	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.
Eye Protection	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.
Hand Protection	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.
Body Protection	Suitable protective workwear should be worn when working with this material, e.g. cotton overalls buttoned at neck and wrist. Chemical resistant apron is recommended where large quantities are handled. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White or off-white powder with a pearly lustre.
Odour	Odourless.
Melting Point	900°C to 1000°C
Boiling Point	Not applicable
Solubility in Water	Insoluble
Specific Gravity	2.76
pH Value	9.2 (25% slurry)
Vapour Pressure	Not applicable
Flash Point	Not applicable.

Flammability This product is not combustible.

Auto-Ignition Temperature Not applicable

Flammable Limits - Lower Not applicable

Flammable Limits - Upper Not applicable

10. STABILITY AND REACTIVITY

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.

11. TOXICOLOGICAL INFORMATION

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 Harmful: danger of serious damage to health by prolonged exposure through inhalation. 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.
The product contains respirable free crystalline silica.

Repeated exposure to respirable crystalline silica dust may lead to silicosis, a serious lung disease. The onset of silicosis is usually slow and lung damage may occur even when no symptoms or signs of ill-health have occurred. Silicosis can develop to a more serious degree even after exposure has ceased, and may also lead to other diseases including heart disease and scleroderma.

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 (<2%). Crystalline silica has been classified by International Agency for Research on Cancer (IARC) as carcinogenic to humans by inhalation (Group 1).

12. ECOLOGICAL INFORMATION

Ecotoxicity Not available

Persistence / Degradability Not available

Mobility Not available

Environment Protection Do not allow product to enter drains, waterways or sewers.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.

14. TRANSPORT INFORMATION

Transport Information 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)

15. REGULATORY INFORMATION

Regulatory Information 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).

Poisons Schedule Not Scheduled

Hazard Category Harmful

16. OTHER INFORMATION

**Date of
preparation or
last revision
of MSDS**

MSDS Reviewed: March 2010
Supersedes: April 2005

**Contact
Person/Point**

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 effort to censor nor to conceal deleterious aspects of this product. Since we cannot anticipate or control the many different conditions under which this information and our products may be used, each user should review these recommendations in the specific context of the intended application and confirm whether they are appropriate. It is therefore recommended that you undertake your own risk assessment in relation to your method of handling and proposed use of this product. Unimin Australia Limited accepts no liability whatsoever for damage or injury caused from the use of this information or of suggestions contained herein.

End of MSDS

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