

Material Safety Data Sheet



1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **MULTIGRIP**

Recommended Use: General purpose household glue.

Supplier: Selleys Pty Ltd
ABN: 67 000 049 427
Street Address: 1 Gow Street
Padstow 2211
Australia

Telephone Number: +61 2 9781 8777
Facsimile: +61 2 9781 8825
Emergency Telephone: **1 800 033 111 (ALL HOURS)**

2. HAZARDS IDENTIFICATION

This material is hazardous according to criteria of Safe Work Australia; HAZARDOUS SUBSTANCE.

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.

Risk Phrases: Highly Flammable. Irritating to eyes. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

Safety Phrases: Keep away from sources of ignition - No Smoking. Do not breathe vapour. Avoid contact with eyes.

Poisons Schedule: S5 Caution.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion	Risk Phrases
Acetone	67-64-1	30-60%	R11 R36 R66 R67
Urethane polymer	-	10-<30%	-
Ethyl acetate	141-78-6	10-<30%	R11, R36, R66, R67
n-Butyl acetate	123-86-4	1-<10%	R10, R66, R67
Ingredients determined not to be hazardous	-	to 100%	-

4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor.

Inhalation:

Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If patient finds breathing difficult and develops a bluish discolouration of the skin (which suggests a lack of oxygen in the blood - cyanosis), ensure airways are clear of any obstruction and have a qualified person give oxygen through a face mask. Apply artificial respiration if patient is not breathing. Seek immediate medical advice.

Product Name: MULTIGRIP
Substance No: 000704514601

Issued: 13/01/2010
Version: 4

Material Safety Data Sheet



Skin Contact:

Wipe excess material from skin with a clean rag or paper towel (do NOT use solvent to clean skin). Remove contaminated clothing and wash skin with running water. If irritation occurs seek medical advice.

Eye Contact:

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

Ingestion:

Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water. Never give anything by the mouth to an unconscious patient. Seek medical advice. Get to a doctor or hospital quickly.

Medical attention and special treatment:

Treat symptomatically.

5. FIRE FIGHTING MEASURES

Hazards from combustion products:

Highly flammable liquid. On burning will emit toxic fumes, including those of oxides of carbon .

Precautions for fire fighters and special protective equipment:

Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

Suitable Extinguishing Media:

Alcohol resistant foam is the preferred firefighting medium but, if it is not available, normal protein foam can be used.

Hazchem Code: · 3Y

6. ACCIDENTAL RELEASE MEASURES

Emergency procedures:

If contamination of sewers or waterways has occurred advise local emergency services.

Methods and materials for containment and clean up:

SMALL SPILLS: Slippery when spilt. Avoid accidents, clean up immediately. Wipe up with absorbent (clean rag or paper towels). Allow absorbent to dry before disposing with normal household garbage.

LARGE SPILLS: Shut off all possible sources of ignition. Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact and breathing in vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Use a spark-free shovel. If contamination of sewers or waterways has occurred advise local emergency services. Collect and seal in properly labelled containers or drums for disposal.

7. HANDLING AND STORAGE

This material is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations.

Conditions for safe storage:

Store in cool place and out of direct sunlight. Store away from sources of heat or ignition. Store away from oxidising agents. Store away from foodstuffs. Keep containers closed when not in use - check regularly for leaks.

Product Name: MULTIGRIP
Substance No: 000704514601

Issued: 13/01/2010
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Material Safety Data Sheet



Precautions for safe handling:

Avoid skin and eye contact and breathing in vapour. Keep out of reach of children. May form flammable vapour mixtures with air. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc) must be eliminated both in and near the work area. Do NOT smoke. Vapour may travel a considerable distance to source of ignition and flash back.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits: No value assigned for this specific material by the National Occupational Health and Safety Commission. However, Exposure Standard(s) for constituent(s):

Acetone: 8hr TWA = 1185 mg/m³ (500 ppm), 15 min STEL = 2375 mg/m³ (1000 ppm)
n-Butyl acetate: 8hr TWA = 713 mg/m³ (150 ppm), 15 min STEL = 950 mg/m³ (200 ppm)
Ethyl acetate: 8hr TWA = 720 mg/m³ (200 ppm), 15 min STEL = 1440 mg/m³ (400 ppm)

As published by the National Occupational Health and Safety Commission.

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight hour work day. According to current knowledge this concentration should neither impair the health of, nor cause undue discomfort to, nearly all workers.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Engineering controls:

Ensure ventilation is adequate and that air concentrations of components are controlled below quoted Exposure Standards. Vapour heavier than air - prevent concentration in hollows or sumps. DO NOT enter confined spaces where vapour may have collected. Keep containers closed when not in use.

Personal Protective Equipment:

The selection of PPE is dependant on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

Selleys Factory Safe Handling Code: Blue



MANUFACTURE, PACKAGING AND TRANSPORT: Blue - Wear overalls (or 'issued' long pants and long sleeve tops), safety boots, gloves and face shield or chemical goggles. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

If risk of inhalation exists, wear organic vapour respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

FOR CONSUMER USE: No special personal protective equipment required. Avoid contact with eyes and skin. Wash hands after use.

Product Name: MULTIGRIP
Substance No: 000704514601

Issued: 13/01/2010
Version: 4

Material Safety Data Sheet



9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Viscous liquid
Colour:	Clear
Odour:	Fruity
Solubility:	Insoluble in water. Soluble in organic solvents.
Specific Gravity:	0.891 @ 20°C
Relative Vapour Density (air=1):	>1
Vapour Pressure (20 °C):	21 kPa (est.)
Flash Point (°C):	-16 (Est.)
Flammability Limits (%):	2.8-12.8 (acetone)
Autoignition Temperature (°C):	Not available
% Volatile by Volume:	78
Solubility in water (g/L):	Insoluble
Melting Point/Range (°C):	Not applicable
Boiling Point/Range (°C):	65 (approx.)
Decomposition Point (°C):	Not available
pH:	Not applicable
Viscosity:	15 Pa.s
Evaporation Rate:	6 (acetone)

10. STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions of use.
Conditions to avoid:	Avoid contact with foodstuffs. Avoid exposure to heat, sources of ignition, and open flame.
Incompatible materials:	Incompatible with oxidising agents.
Hazardous decomposition products:	Oxides of carbon.
Hazardous reactions:	Hazardous polymerisation will not occur.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion:	Swallowing can result in nausea, vomiting and central nervous system depression. If the victim is showing signs of central system depression (like those of drunkenness) there is greater likelihood of the patient breathing in vomit and causing damage to the lungs.
Eye contact:	An eye irritant.
Skin contact:	Contact with skin may result in irritation. Will have a degreasing action on the skin. Repeated or prolonged skin contact may lead to irritant contact dermatitis.

Material Safety Data Sheet



Inhalation: Material may be irritant to the mucous membranes of the respiratory tract (airways). Breathing in vapour can result in headaches, dizziness, drowsiness, and possible nausea. Breathing in high concentrations can produce central nervous system depression, which can lead to loss of co-ordination, impaired judgement and if exposure is prolonged, unconsciousness.

Long Term Effects:
No information available for the product.

Toxicological Data: No LD50 data available for the product. For the constituent Acetone (1):
Oral LD50 (rat): 5800-8400 mg/kg
Dermal LD50 (rabbit): 20000 mg/kg
Inhalation LC50 (rat): 32000 ppm/4 hr
SKIN: Slight irritant (rabbit).
EYES: Moderate irritant (rabbit).

12. ECOLOGICAL INFORMATION

Ecotoxicity Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

Disposal methods:
Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Advise flammable nature. Normally suitable for incineration by an approved agent.

14. TRANSPORT INFORMATION

Road and Rail Transport

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.



UN No: 1133
Class-primary 3 Flammable Liquid
Packing Group: III
Proper Shipping Name: ADHESIVES
Hazchem Code: - 3Y

Marine Transport

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; DANGEROUS GOODS.

UN No: 1133
Class-primary: 3 Flammable Liquid
Packing Group: III
Proper Shipping Name: ADHESIVES

Product Name: MULTIGRIP
Substance No: 000704514601

Issued: 13/01/2010
Version: 4

Material Safety Data Sheet



Air Transport

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; DANGEROUS GOODS.

UN No: 1133
Class-primary: 3 Flammable Liquid
Packing Group: III
Proper Shipping Name: ADHESIVES

15. REGULATORY INFORMATION

Classification: This material is hazardous according to criteria of Safe Work Australia; HAZARDOUS SUBSTANCE.

Hazard Category: Xi: Irritant

Risk Phrase(s):
R11: Highly Flammable.
R36: Irritating to eyes.
R66: Repeated exposure may cause skin dryness or cracking.
R67: Vapours may cause drowsiness and dizziness.

Safety Phrase(s):
S16: Keep away from sources of ignition - No smoking.
S23: Do not breathe vapour/mist/aerosol.
S25: Avoid contact with eyes.

Poisons Schedule: S5 Caution.

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

(1) Material Safety Data Sheet - Orica Australia Pty Ltd; 06/ 2009.

For further copies of this sheet or other product information contact Selleys Proprietary Limited Customer Service.

Phone: 1300 555 205 (Australia wide)

Fax: 1300 555 305 (Australia wide)

Phone: 9 820 4852 (New Zealand)

Fax: 0800 804 583 (New Zealand)

This material safety data sheet has been prepared by SH&E Shared Services, Orica.

Reason(s) for Issue:

5 Yearly Revised Primary MSDS

Alignment to HSNO requirements

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Material Safety Data Sheet



This MSDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Orica Limited cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact their Orica representative or Orica Limited at the contact details on page 1.

Orica Limited's responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.