

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: **AllFasteners Megagrip**

PRODUCT CODE: **300ML Cartridge (x20)**

Recommended use: Specialist adhesive for use with Wallboards.

SUPPLIER: **Zecca Australia Pty Ltd**
44 Little Napier Street
Fitzroy Vic 3065

Phone: **(03) 9330 7777**
Fax: **(03) 9330 7755**

Emergency telephone number: (03) 9330 7777 (Business hours only, Monday – Friday, AEST)

2. HAZARDS IDENTIFICATION

This material is **Hazardous** according to health criteria of NOHSC Australia.

Hazard Category:

Xn Harmful

Risk Phrase(s):

R20: Harmful by Inhalation

R65: Harmful: May cause lung damage if swallowed

Safety Phrase(s):

S16: Keep away from sources of ignition – No Smoking

S23/24/25: Avoid contact with skin and eyes and avoid breathing vapour.

S33: Take precautionary measures against static discharge.

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

Class: 3 Flammable Liquid

Poisons Schedule (Aust): S5

3. COMPOSITION INFORMATION

| CHEMICAL ENTITY | CAS NO. | PROPORTION |
|--|----------|------------|
| Toluene | 108-88-3 | 30-60% |
| Acetone | 67-64-1 | 10-30% |
| n-hexane | 110-54-3 | < 1% |
| Ingredients determined to be non-hazardous | - | Balance |
| | | 100% |

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

Inhalation: Remove victim from 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 breathing laboured and patient cyanotic (blue), ensure airways are clear and have a qualified person give oxygen through a facemask. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage. Seek immediate medical advice.

Skin contact: For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water (and soap if material is insoluble). For skin burns, cover with a clean, dry dressing until medical help is available. If blistering occurs, do NOT break blisters. If swelling, redness, blistering, or irritation occurs seek medical assistance.

Eye contact: If in eyes wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

Ingestion: Immediately rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Get to a doctor or hospital quickly.

Notes to physician: Treat symptomatically. Effects may be delayed. Delayed pulmonary oedema may result.

5. FIRE-FIGHTING MEASURES

Specific hazards: Flammable liquid. May form flammable vapour mixtures with air. Flameproof equipment necessary in area where this chemical is being used. Nearby equipment must be earthed. Electrical requirements for work area should be assessed according to AS3000. Vapour may travel a considerable distance to source of ignition and flash back. Avoid all ignition sources. 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.

Fire fighting further advice: If safe to do so, remove containers from path of fire. Keep containers cool with water spray. On burning may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

Hazchem Code: 3[Y].

Suitable extinguishing media: If material is involved in a fire use foam, dry agent (carbon dioxide, dry chemical powder).

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

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 contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. If contamination of sewers or waterways has occurred advise local emergency services.

Dangerous Goods – Initial Emergency Response Guide No: 14

7. HANDLING AND STORAGE

Handling: Avoid skin and eye contact and inhalation of vapour.

Storage: Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from incompatible materials described in Section 10. Store away from sources of heat or ignition. Keep containers closed when not in use - check regularly for leaks.

This material is classified as a Dangerous Good Class 3 Flammable Liquid as per the criteria of the Australian Dangerous Goods Code and must be stored in accordance with the relevant regulations.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits:

No value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC Australia).

However, for:

| | TWA | | STEL | | OTHER |
|----------|-----|-------------------|------|-------------------|-------|
| | ppm | mg/m ³ | ppm | mg/m ³ | |
| Toluene | 50 | 191 | 150 | 574 | Sk |
| Acetone | 500 | 1185 | 1000 | 2375 | |
| n-hexane | 20 | 72 | - | - | |

As published by the National Occupational Health & Safety Commission (NOHSC Australia).

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ZECCA AUSTRALIA Pty Ltd
Chemicals and Packaging Specialists

TWA – The Time Weighted Average airborne concentration over an eight-hour working day, for a five-day 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 workday.

“Sk” Notice – absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur.

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 toxicity.

If the directions for use on the label are followed, exposure of individuals using this product should not exceed the above standard. The standard was created for workers who are routinely potentially exposed during product manufacture.

Biological Limit Values: As per the “National Model Regulations for the Control of Workplace Hazardous Substances [NOHSC: 1005 (1994)]” the ingredients in this material do not have a Biological Limit Allocated.

Engineering measures: Use with local exhaust ventilation or while wearing appropriate respirator. Keep containers closed when not in use.

Personal protection equipment: OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES.

Wear overalls, safety glasses and impervious gloves. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using. If risk of inhalation of exists, wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form / Colour / Odour: Buff-coloured semi-solid paste with solvent odour.

| | |
|---|-----------------------|
| Solubility: | Insoluble in water |
| Specific Gravity (20 °C): | Approx 0.9 |
| Relative Vapour Density (air=1): | >1 |
| Vapour Pressure (20 °C): | N Av |
| Flash Point (°C): | <0 |
| Flammability Limits (%): | LEL – 1.1; UEL – 7.4* |
| Autoignition Temperature (°C): | >200* |
| Melting Point/Range (°C): | N App |
| Boiling Point/Range (°C): | N Av |
| pH: | N App |

* values for iso-hexane

(Typical values only - consult specification sheet)

N Av = Not available

N App = Not applicable

10. STABILITY AND REACTIVITY

Product name: Allfasteners Megagrip Adhesive

Issued: 04/05/2008

Version: 1.1

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Chemical stability: This material is thermally stable when stored and used as directed.

Conditions to avoid: Elevated temperatures and sources of ignition.

Incompatible Materials: Oxidising agents.

Hazardous decomposition products: Oxides of carbon and nitrogen, smoke and other toxic fumes.

Hazardous reactions: No known hazardous reactions.

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:

Acute Effects

Inhalation: Inhalation of vapour can result in headaches, dizziness and possible nausea.

Skin contact: Contact with skin will result in irritation.

Eye contact: May be an eye irritant.

Ingestion: Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract. May cause lung damage if swallowed. Inhalation of vapour can result in headaches, dizziness and possible nausea. Inhalation of high concentrations can also 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 product.

Acute toxicity / Chronic toxicity

No LD50 data available for the product.
However, for the constituent Toluene :

Oral LD50 (rat): 636 mg/kg
Dermal LD50 (rabbit): 14100 µl/kg
Skin: (Draize): Mild to moderate irritant
Eyes: (Draize): Mild to moderate irritant

The major effects in humans following acute exposure to high concentrations (such as deliberate sniffing or industrial accidents) are central nervous system dysfunction and narcosis. Under controlled conditions, inhalation of 50, 75 or 100 ppm of toluene for 4 to 6 hours was associated with headache and irritation. There are also numerous reports of altered central nervous system performance among humans inhaling 40ppm to more than 100ppm.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Ecotoxicity: No information available.

Persistence and degradability: No information available.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Refer to State/Territory Land Waste Management Authority.

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.

UN No: 1133
Dangerous Goods Class: 3
Packing Group: III
Hazchem Code: 3[Y]
Emergency Response Guide No: 14

Proper Shipping Name: ADHESIVE (Containing flammable liquid)

Segregation Dangerous Goods: Not to be loaded with explosives (Class 1), flammable gases (Class 2.1), if both are in bulk, toxic gases (Class 2.3), spontaneously combustible substances (Class 4.2), oxidising agents (Class 5.1), organic peroxides (Class 5.2) or radioactive substances (Class 7), however exemptions may apply.

MARINE TRANSPORT

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

UN No: 1133
Dangerous Goods Class: 3
Packing Group: III

Proper Shipping Name: ADHESIVE (Containing flammable liquid)

AIR TRANSPORT

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

UN No: 1133
Dangerous Goods Class: 3
Packing Group: III

Proper Shipping Name: ADHESIVE (Containing flammable liquid)

15. REGULATORY INFORMATION

Poisons Schedule (Aust): S5

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

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| 16. OTHER INFORMATION |
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Reason(s) For Issue: First Issue – General revision

Material Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Zecca Australia Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.