

Product Name:

**HOMEGUARD TERMIFLEX ADHESIVE/SEALANT
MSDS**

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Date of Issue: October 2009
MSDS No. FMC/Termiflex/0909

Section 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **HOMEGUARD TERMIFLEX ADHESIVE/SEALANT**

Recommended Use: Termiticidal Adhesive / Sealant - Protect Structures from Concealed Termite entry

Supplier: FMC Australasia Pty Ltd

Street Address: 5 Palmer Place, Murarrie, QLD 4172

Telephone Number: +61 7 3908 9222

Facsimile: +61 7 3908 9221

Emergency Telephone: 1 800 033 111 (ALL HOURS – Australia Wide)

Section 2: HAZARDS IDENTIFICATION

**This material is hazardous according to criteria of ASCC; 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 skin.
Harmful: danger of serious damage to health by prolonged exposure through inhalation.
Harmful: May cause lung damage if swallowed.

Safety Phrases: Keep away from sources of ignition - No Smoking.
Do not breathe vapour. Avoid contact with skin and eyes.
Do not empty into drains.
Take precautionary measures against static discharges.

Poisons Schedule: None allocated.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Components / CAS Number	Proportion	Risk Phrases
Synthetic polymer(s)	>60%	-
-		
Toluene 108-88-3	10-<30%	R11 R38 R48/20 R63 R65 R67
Naphtha (petroleum), hydrotreated light 64742-49-0	1-<10%	R11, R51/53, R65
Heptane 142-82-5	1-<10%	R11, R38, R50/53, R65, R67
Solvent naphtha (Petroleum) heavy arom. 64742-94-5	1-<10%	R65

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Components / CAS Number	Proportion	Risk Phrases
Bifenthrin 82657-04-3	<1%	R25 R50/53
Ingredients determined not to be hazardous to	100%	-

Section 4: FIRST AID MEASURES

For advice, contact a Poisons Information Centre (Phone eg. Australia 131 126;) 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 discoloration 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.

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, wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

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 immediate medical assistance.

Medical attention and special treatment:
Treat symptomatically and as for exposure to hydrocarbon solvents.

Section 5: FIRE FIGHTING MEASURES

Hazards from combustion of products:
Flammable paste. On burning will emit toxic fumes, including those of oxides of carbon

Precautions for fire fighters and special protective equipment:
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
Fire fighters to wear self-contained breathing apparatus and suitable protective

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Section 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 wet. Avoid accidents, clean up immediately. Wipe up with absorbent (clean rag or paper towels). Allow absorbent to dry before disposing with normal household garbage. Any residual material can be cleaned up with mineral turpentine or similar hydrocarbon solvent, or acetone based nail polish remover.

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. Collect and seal in properly labeled containers or drums for disposal. Cured material can only be removed by cutting or abrasion.

Section 7: HANDLING AND STORAGE

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. Keep containers closed when not in use – check regularly for leaks.

Precautions for safe handling:

Avoid skin and eye contact and breathing in vapour. 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.

Section 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):

Heptane: 8hr TWA = 1640 mg/m³ (400 ppm), 15 min STEL = 2050 mg/m³ (500 ppm)

Toluene: 8hr TWA = 191 mg/m³ (50 ppm), 15 min STEL = 574 mg/m³ (150 ppm), Sk

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.

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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.

'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 relative toxicity.

Engineering controls:

Ensure ventilation is adequate and that air concentrations of components are controlled below quoted Exposure Standards. Use with local exhaust ventilation or while wearing organic vapour respirator. Keep containers closed when not in use.

Personal Protective Equipment:

MANUFACTURE, PACKAGING AND TRANSPORT: Wear clean overalls, safety boots, general purpose gloves, full face visor and respirator with remote canister meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

FOR CONSUMER USE: Avoid contact with eyes and skin. Use with adequate ventilation. Wash hands after use.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Gel
Colour:	Clear Blue
Odour:	Solvent
Solubility:	Insoluble in water.
Specific Gravity:	0.92 @ 20°C
Relative Vapour Density (air=1):	>1
Vapour Pressure (20 °C):	2.7 kPa
Flash Point (°C):	4 (toluene)
Flammability Limits (%):	N Av
Autoignition Temperature (°C):	N Av
% Volatile by Volume:	33
Solubility in water (g/L):	Insoluble
Melting Point/Range (°C):	N App
Boiling Point/Range (°C):	110
Decomposition Point (°C):	N Av
Sublimation Point (°C):	N App
pH:	N App
Viscosity:	1750 Pa.s (25°C)
Evaporation Rate:	N Av

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Section 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:** None known.

Section 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. No adverse effects expected after swallowing the fully cured material.
- Eye contact:** May be an eye irritant.
- Skin contact:** Contact with skin will result in irritation. Will have a degreasing action on the skin. Repeated or prolonged skin contact may lead to irritant contact dermatitis. Component/s of this material can be absorbed through the skin with resultant toxic effects. Cured sealant (solvent free) is not expected to be a skin irritant.
- 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 judgment and if exposure is prolonged, unconsciousness.
- Long Term Effects:** The solvent component (toluene) (1): Evidence indicates that repeated or prolonged exposure to this chemical could result in central nervous system disorders.

Toxicological Data:

No LD50 data available for the product. For the constituent Toluene (1):

- Oral LD50 (rat): 636 mg/kg
Dermal LD50 (rabbit): 14100 µL/kg
SKIN: Moderate irritant (rabbit).
EYES: Moderate irritant (rabbit).

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Section 12: ECOLOGICAL INFORMATION

Ecotoxicity Avoid contaminating waterways.

Section 13: DISPOSAL CONSIDERATIONS

Disposal methods: Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Advise flammable nature. Solvent free solids (cured sealant) are not flammable. Normally suitable for disposal at approved land waste site.

Section 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

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

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Section 15: REGULATORY INFORMATION

Classification: This material is hazardous according to criteria of ASCC; HAZARDOUS SUBSTANCE.

Hazard Category: Xn: Harmful
Xi: Irritant

Risk Phrase(s): R11: Highly Flammable.
R38: Irritating to skin.
R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.
Repr. Cat 3. R63: Possible risk of harm to the unborn child.
R65: Harmful: May cause lung damage if swallowed.

Safety Phrase(s): S16: Keep away from sources of ignition - No smoking.
S23: Do not breathe vapour/mist/aerosol.
S24/25: Avoid contact with skin and eyes.
S29: Do not empty into drains.
S33: Take precautionary measures against static discharges.

Poisons Schedule: None allocated.

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

Section 16: OTHER INFORMATION

(1) Material Safety Data Sheet – FMC Australasia Pty Ltd; 09/2009.

For further copies of this sheet or other product information contact FMC Australasia Pty Ltd.

Phone: 1800 066 355 (Australia wide)

Fax: 1800 355 896 (Australia wide)

Reason(s) for Issue:

First Issue Primary MSDS

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 FMC Australasia 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 FMC Australasia representative or FMC Australasia at the contact details on page 1.