

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product Name	Tradesmans Never Nail
Other means of identification	53TNN

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	Construction Adhesive Sealant
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1.3 Details of manufacturer/ Importer

Company name	Macsim Fastenings Pty Ltd
Address	10 Wonderland Drive Eastern Creek NSW 2766 Australia
Telephone	+61 2 9881 2400
Fax	+61 2 9881 2444
Website	www.macsim.com.au
Email	info@macsim.com.au

1.4 Emergency telephone number

Association/ Organisation	Poisons Information Centre
Emergency telephone	13 11 26

2. HAZARDS IDENTIFICATION

2.1 Classification of substance or mixture

mixture

2.2 Label elements

Label elements	
Hazard pictograms	GHS02: Flame GHS07: Exclamation Mark GHS08: Health Hazard
Signal word	Danger
Hazard statement(s)	H225: Highly flammable liquid and vapour H315: Causes skin irritation. H317: May cause an allergic skin reaction. H336: May cause drowsiness or dizziness. H361: Suspected of damaging fertility or the unborn child. H373: May cause damage to the nervous system through prolonged or repeated exposure by inhalation. H412: Harmful to aquatic life with long lasting effects.

Compilation date: 03/08/2012

Revision date: 27/02/2017

Precautionary statement(s) Prevention	P201: Obtain special instructions before use.
	P202: Do not handle until all safety precautions have been read and understood.
	P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P233: Keep container tightly closed.
	P240: Ground container and receiving equipment.
	P241: Use explosion-proof electrical/ventilating/lighting equipment.
	P242: Use only non-sparking tools.
	P243: Take precautionary measures against static discharge.
	P260: Do not breathe dust/fumes/gas/mist/vapours/spray.
	P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.
	P264: Wash hands thoroughly after handling.
	P271: Use only outdoors or in a well ventilated area.
	P272: Contaminated work clothing should not be allowed out of the workplace.
	P273: Avoid release to the environment.
	P280: Wear protective gloves/protective clothing/eye protection/ face protection.
P281: Use personal protective equipment as required.	
Precautionary statement(s) Response	P302+P352: IF ON SKIN: Wash with soap and water.
	P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
	P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	P308+P313: IF exposed or concerned: Get medical advice/attention.
	P312: Call a POISON CENTRE or doctor/physician if you feel unwell.
	P314: Get medical advice/attention if you feel unwell.
	P332+P313: If skin irritation occurs: Get medical advice/attention.
	P333+P313: If skin irritation or a rash occurs: Get medical advice/attention.
	P362: Take off contaminated clothing and wash before reuse.
P363: Wash contaminated clothing before reuse.	
Precautionary statement(s) Storage	P403+P233: Store in well ventilated place. Keep container tightly closed.
	P403+P235: Store in a well ventilated place. Keep cool.
	P405: Store locked up.

2.3 Other hazards

Other hazards	None known.
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3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

CAS No	%(weight)	Name
110-54-3	10-30	Hexane
8050-31-5	1-10	Rosin esters

4. FIRST AID MEASURES

4.1 Description of first aid measures

Skin contact	Remove contaminated clothing. Rinse with plenty of soap and water. Consult a doctor if skin irritation or a rash occurs. Wash clothing before reuse.
Eye contact	Flush eyes continuously with running water immediately. Consult a doctor if eye irritation develops and persists.
Ingestion	Do not induce vomiting. Rinse mouth thoroughly with water. Consult a doctor.

Compilation date: 03/08/2012

Revision date: 27/02/2017

Inhalation	Move to fresh air, keep warm and at rest. Consult a doctor if symptom persist.
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4.2 Most important symptoms and effects, both acute and delayed

	May cause skin irritation and allergic skin reaction. May cause drowsiness and dizziness. Suspected of damaging fertility or the unborn child. May cause damage to the nervous system through prolonged or repeated exposure by inhalation.
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5. FIRE-FIGHTING MEASURES

Extinguishing media	<ul style="list-style-type: none"> » Alcohol resistant foam » Carbon dioxide » Dry chemical
Specific fire-fighting procedures	<ul style="list-style-type: none"> » Remove undamaged containers from fire area if it is safe to do so. » Use extinguishing media that is suitable to local circumstances and surrounding environment.
Special person protection equipment for fire-fighters	NIOSH-approved self contained breathing apparatus and full protective clothing must be worn in case of fire.
Specific hazards arising from fire-fighting	Exposure to combustion products may be a hazard to health
Thermal decomposition products	<ul style="list-style-type: none"> » Carbon dioxide » Carbon monoxide » Nitrogen oxides » Other irritant gases

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	Use recommended personal protective equipment. Keep unprotected persons away. Ensure adequate ventilation.
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6.2 Methods and material for containment and cleaning up

	Wipe or soak with inert liquid binding material (sand, sawdust, etc.). Scrape away cured material. Dispose the spilt material according to local or national regulations. Section 13 of the safety data sheet provides information regarding certain local or national requirements.
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6.3 Additional information

	Prevent spillage from entering drainage/sewer systems. Spillages or uncontrolled discharges into watercourses must be immediately alerted to the environmental agency or other appropriate regulatory body.
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7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Safe handling	<ul style="list-style-type: none"> » Use in well ventilated area. » Avoid contact with skin and eyes. » Do not eat, drink or smoke when using the product. » Recommended storage temperature: +5°C to +25°C.
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7.2 Conditions for safe storage, including incompatibilities

Suitable container	<ul style="list-style-type: none"> » Must only be kept in original packaging. » Packing as recommended by manufacturer. » Check all containers are clearly labelled and free from leaks.
Safe Storage	<ul style="list-style-type: none"> » Store in a cool, dry, well ventilated area away from direct sunlight. » Recommended storage temperature: +5°C to +25°C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components	CAS No.	Form of Exposure	Control Parameter	Basis
Hexane	110-54-3	8 hours TWA	>50 mg/m ³	Malaysia OSHA
Hexane	110-54-3	8 hours TWA	>50 mg/m ³	US OSHA
Hexane	110-54-3	8 hours TWA	>50 mg/m ³	UK WEL
Hexane	110-54-3	8 hours TWA	>50 mg/m ³	Safe Work Australia

8.2 Exposure controls

Engineering measures	Product curing may form hazardous compounds. Ensure adequate ventilation and minimise workplace exposure concentrations.
Industrial hygiene	Remove immediately all contaminated clothing. Do not inhale vapour. Wash hands and contaminated areas with water and soap before leaving the work site. Change clothing before leaving the workplace and wash before reuse. Do not eat, drink or smoke while using product.
Hand protection	Wear suitable impervious protective gloves (latex, nitrile etc.). Breakthrough time is not tested for this product. Change gloves often if possible.
Eye protection	Wear protective goggles/ safety glasses.
Respiratory protection	A NIOSH-approved respirator with filter for organic vapours is recommended where local ventilation is not adequate.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Thixotropic paste		
Physical state	Paste	Lower Explosive Limit (%)	Not available
Odour	Characteristic	Relative density	1.16
Odour threshold	Not available	Solubility in water (g/L)	Not available
pH	Not applicable	Vapour pressure (kPa)	Not available
Melting point (°C)	Not available	Specific gravity (Water=1)	Not available
Boiling point (°C)	Not applicable	Oxidising properties	Not classified as oxidising
Flash point (°C)	<23°C	Viscosity (cSt)	Not available
Evaporation rate	Not applicable	Flammability	Highly Flammable
Decomposition temperature	Not available	Explosive properties	Not classified as explosive
Auto ignition temperature (°C)	Not available	pH as a solution (1%)	Not available
Upper Explosive Limit (%)	Not available	VOC (g/L)	

10. STABILITY AND REACTIVITY

Reactivity	No reactive hazards known.
Stability	Stable under recommended handling and storage conditions.
Possibility of hazardous reactions	Hazardous polymerisation will not occur.
Conditions to avoid	Avoid sources of ignition.
Incompatible materials	<ul style="list-style-type: none"> » Strong oxidising agents » Acids » Sources of ignition
Hazardous decomposing products	None known.

Compilation date: 03/08/2012

Revision date: 27/02/2017

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

No specific oral, inhalation or dermal toxicology data is known for this product. Any toxicological data included in this section is based on the data associated with the components.

Hazardous ingredient(s)

Hexane	Acute Oral (rat) LD50: >2,000 mg/kg
	Acute Dermal (rabbit) LD50: >2,000 mg/kg
	Acute Inhalation (4 hours, rat) LC50: >2,000 mg/kg
	Serious eye damage/eye irritation: Not eye irritant.
	Skin corrosion/skin irritation: Causes skin irritation.
	Respiratory/Skin sensitisation: Not sensitising on skin.
	Germ cell mutagenicity: Negative genotoxicity in vitro & vivo.
	Carcinogenicity: Negative carcinogenicity (NOAEL: >5,000 ppm)
	Reproductive toxicity: Maternal toxicity (LOAEC: 5,000 ppm); Development toxicity (LOAEC: 200 ppm).
	Specific target organ toxicity (single exposure): May cause drowsiness and dizziness.
	Specific target organ toxicity (repeated exposure): May cause damage to the nervous system via inhalation.
	Aspiration toxicity: Classified as an aspiration hazard.
Rosin ester	Acute Oral (rat) LD50: >2,000 mg/kg
	Acute Dermal (rabbit) LD50: >2,000 mg/kg
	Serious eye damage/eye irritation: Not eye irritant.
	Skin corrosion/skin irritation: Not skin irritant.
	Respiratory/Skin sensitisation: Sensitising on skin.
	Germ cell mutagenicity: Negative genotoxicity in vitro.
	Reproductive toxicity: No effect in fertility and foetal development.
Limestone	Specific target organ toxicity (repeated exposure): Exposure for 6 weeks by ingestion on rats. (NOAEL: 1,000 mg/kg)

12. ECOLOGICAL INFORMATION

Individual components of this mixture have been independently tested by the raw material suppliers and any known results have been presented below. The results for the individual component may not be representative of the ecological toxicity of this finished product. The finished product has not been tested to determine individual toxicological/ecological limits.

12.1 Ecotoxicity values

Harmful to aquatic life with long lasting effects.

Ingredient	Component	Exposure values
Hexane	Toxicity to fish	Exposure for 96 hours, LC50: >1000 mg/L
	Toxicity to crustacean	Exposure for 48 hours, EC50: >3.5 mg/L
	Toxicity to algae or other aquatic plants	Exposure for 10 days, EC50: 2.66%
Rosin ester	Toxicity to fish	Exposure for 96 hours, LC50: >400 mg/L
	Toxicity to crustacean	Exposure for 48 hours, EC50: >2,000 mg/L
	Toxicity to algae or other aquatic plants	Exposure for 72 hours, EC50: >100 mg/L

12.2 Persistence and degradability

Not likely to be persistent based on available information and/or concentration of components.

Ingredient		

Compilation date: 03/08/2012

Revision date: 27/02/2017

Hexane	Readily biodegradable.	Exposure for 28 days, 98% biodegradation.
Rosin ester	Not readily biodegradable.	Exposure for 28 days, 46% biodegradation.

12.3 Bioaccumulative potential

No bioaccumulation potential based on available information and/or concentration of components.

Ingredient	
Hexane	BCF: 500

12.4 Mobility in soil

No data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Unused products	Waste disposal to be in accordance with the Environmental Quality (Scheduled Wastes) Regulations and other guidelines issuance by DOE and/or local authorities.
Contaminated packaging	Dispose of as unused product. Empty container should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

Road transport (UNRTDG)	UN Number: UN1133 Proper shipping name: ADHESIVES containing flammable liquid. Technical name: Not applicable Hazard class: 3 Classification code: F1 Packing group: II
Marine transport (IMDG)	UN Number: UN1133 Proper shipping name: ADHESIVES containing flammable liquid. Technical name: Not applicable Hazard class: 3 EmS: F-E, S-D Packing group: II Marine pollutant: Not marine pollutant
Air transport (IATA)	UN Number: UN1133 Proper shipping name: ADHESIVES containing flammable liquid. Technical name: Not applicable Hazard class: 3 Packing group: II

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Other information	Occupational Safety and Health (use and standards of exposure of chemicals hazardous to health) Regulations 2010 (Malaysia) Occupational Safety and Health (classification, labelling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013 (Malaysia) Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (European Union) Occupational Safety and Health Administration (OSHA) (2006) Air contaminants. 29 CFR 1910.100 (United States of America) Work Health and Safety Act 2011 (Australia) EH40/2005 Workplace exposure limits (United Kingdom)
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15.2 Chemical inventory status

Compilation date: 03/08/2012

Revision date: 27/02/2017

Australia AICS: All ingredients listed or exempt.
 Canada DSL: All ingredients listed or exempt.
 Japan ENCS: All ingredients listed or exempt.
 Korea KECI: All ingredients listed or exempt.
 Taiwan ECSN: All ingredients listed or exempt.

16. OTHER INFORMATION

Other information	All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee these are the only hazards that exist. The details contained herein are based on our present state of knowledge and experience in characterising our product with regard to any possible safety requirement at the date of its publication.
Definitions	<p>TWA: Time-weighted average</p> <p>STEL: Short-term exposure level.</p> <p>OSHA: Occupational Safe and Health Act</p> <p>WEL: Workplace exposure limits</p> <p>LD50: The minimum dose required for lethal effects in 50% of a given population of test specimen.</p> <p>ppm: part per million</p> <p>bw: body weight</p> <p>BCF: Bioconcentration factor</p> <p>NOAEL: No-observed-adverse-effect-level</p> <p>LOAEL: Lowest-observed-adverse-effect-level</p> <p>NIOSH: National Institute for Occupational Safety & Health</p> <p>UNRTDG: United Nations Recommendations on the Transport of Dangerous Goods</p> <p>IMDG: International Maritime Dangerous Goods</p> <p>IATA: International Air Transport Association</p> <p>AICS: Australian Inventory of Chemical Substances</p> <p>DSL: Domestic Substance List</p> <p>ENCS: Existing and New Chemical Substances.</p> <p>KECI: Korea Existing Chemicals Inventory.</p> <p>ECSN: Existing Chemical Substance Nomination.</p> <p>TSCA: Toxic Substances Control Act</p>
Legal disclaimer	The above information is believed to be correct but does not purport to be all inclusive and shall be used as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product. ENVIRONMENTAL CARE: Please do not dispose of uncured material. If disposing please mix any waste product to its cured state.