



The Chemistry of Cleaning™

ABN 80 004 726 890 | MADE IN AUSTRALIA

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WA 08 9249 4566

## Safety Data Sheet

Issued: November, 2016

### Section 1 - Identification of the Material and Supplier

**Chemical nature:** Water dispersion of polyurethane polymer, solvents and other ingredients.  
**Trade Name:** Timbertech Floor Sealer  
**Product Code:** TIMT5  
**Product Use:** Clear permanent sealer for timber floors. Product dries to form a film.  
**Creation Date:** November, 2016  
**This version issued:** This SDS issued November, 2016 shall remain valid for 5 years unless a new SDS is issued in the meantime. Please contact Agar Cleaning Systems P/L to ensure you have the latest version of this product's SDS.

**Poisons Information Centre: Phone 13 1126 from anywhere in Australia**

#### SUPPLIER DETAILS

Company: Agar Cleaning Systems Pty. Ltd.  
Address: 12-14 Cope Street, Preston, Vic. 3072 AUSTRALIA  
Telephone: 03 9480 3000 Facsimile: 03 9480 5100  
Web: [www.agar.com.au](http://www.agar.com.au) Agar SDS are available from this website.  
Email: [sales@agar.com.au](mailto:sales@agar.com.au)

### Section 2 - Hazards Identification

#### Statement of Hazardous Nature:

This product is classified as: Classified as hazardous according to the criteria of SWA.

Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code, IATA or IMDG/IMSBC criteria.

**SUSMP Classification:** None allocated.

**ADG Classification:** None allocated. Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code, IATA or IMDG/IMSBC criteria.

**UN Number:** None allocated



#### GHS Signal word: DANGER.

Skin irritation – Category 2

Eye irritation - Category 2

Reproductive toxicity – Category 1B

Specific target organ toxicity – Respiratory system) – Category 3

#### HAZARD STATEMENT:

H315: Causes skin irritation

H319: Causes serious eye irritation.

H360D: May damage the unborn child.

H335: May cause respiratory irritation.

#### PREVENTION:

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

P261: Avoid breathing vapour.

P264: Wash contacted areas thoroughly after handling.

P280: Wear protective gloves, protective clothing and eye or face protection.

P281: Use personal protective equipment as required.

P271: Use only outdoors or in a well-ventilated area.

**RESPONSE:**

P308+P313: If exposed or concerned: Get medical attention.  
 P304+P340+P312: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor if you feel unwell.  
 P302+P352+P362-2+P363: IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse.  
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310: Immediately call a POISON CENTRE phone Australia 131 126 or doctor/physician.  
 P332+P313: If skin irritation occurs: Get medical attention.  
 P337+P313: If eye irritation persists: Get medical attention.

**STORAGE:**

P405: Store locked up.

**DISPOSAL:**

P501: Dispose of contents and container in accordance with local, regional, national and international regulations.

## Emergency Overview

**Physical Description & Colour:** Milky pale tan liquid.

**Odour:** Slight ammonia odour.

**Major Health Hazards:** Skin and eye irritation.

## Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc,%	TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )
N-methyl-2-pyrrolidone	872-50-4	5 - <10	not set	not set
Triethylamine	121-44-8	1 - <3	not set	not set
Other non hazardous ingredients	secret	10 - <30	not set	not set
Water	7732-18-5	to 100	not set	not set

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak "is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

## Section 4 - First Aid Measures

**General Information:**

You should call the Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

**Inhalation:** Move the affected person away from the contaminated area and into fresh air. Make them rest and keep warm. Seek medical attention if ill effects occur. If in doubt, contact a Poisons Information Centre or a doctor.

**Skin Contact:** If skin or hair contact occurs, immediately remove contaminated clothing and shoes and wash skin and hair with soap and water. If irritation occurs, seek medical attention. Launder clothing and clean shoes before reuse.

**Eye Contact:** Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed, while holding the eyelid(s) open. Obtain medical advice immediately if irritation occurs. Take special care if exposed person is wearing contact lenses.

**Ingestion:** If product is swallowed or gets in mouth, do NOT induce vomiting unless directed to do so by medical personnel; wash mouth with water and give some water to drink (only if person is conscious). If symptoms develop, or if in doubt, contact a Poisons Information Centre or a doctor.

## Section 5 - Fire Fighting Measures

**Fire and Explosion Hazards:** The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness.

Fire decomposition products from this product are likely to be toxic and corrosive if inhaled and include: carbon monoxide, carbon dioxide, dense black smoke, aldehydes, organic acids, nitrogen oxides (NO, NO<sub>2</sub>, etc), ammonia and amines. Take appropriate protective measures.

**Extinguishing Media:** Not combustible unless the water has evaporated. Suitable extinguishing media: water, foam or dry chemical powder.

**Fire Fighting:** If a significant quantity of this product is involved in a fire, call the fire brigade.

**Flash point:** Does not burn.

**Upper Flammability Limit:** Does not burn.

**Lower Flammability Limit:** Does not burn.

**Autoignition temperature:** Not applicable - does not burn.

**Flammability Class:** Does not burn.

## Section 6 - Accidental Release Measures

**Accidental release:** Minor spills do not normally need any special cleanup measures. In the event of a major spill, prevent spillage from entering drains or water courses. As a minimum, wear overalls, goggles and gloves. Suitable materials for protective clothing include rubber. Eye/face protective equipment should comprise as a minimum, protective glasses and, preferably, goggles. If there is a significant chance that vapours or mists are likely to build up in the cleanup area, we recommend that you use a respirator. Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned below (section 8). Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Recycle containers wherever possible after careful cleaning. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

## Section 7 - Handling and Storage

**Handling:** Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed. Eating, drinking and smoking must not be allowed in areas where this material is handled, stored and processed.

**Storage:** No special requirements. Store between 5 and 40°C. Keep container closed and sealed until ready to use. Sensitive to frost.

## Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

SWA Exposure Limits	TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )	Notes
N-methyl-2-pyrrolidone	40	80	Absorbed through skin
Triethylamine	8	17	Absorbed through skin

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

**Ventilation:** Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Eye Protection:** Eye protection such as protective glasses with side-shields or goggles are recommended when this product is being used.

**Skin Protection:** Wear suitable gloves (preferably elbow-length) when skin contact with the undiluted product may occur.

>8 hours breakthrough time: butyl rubber (0.70mm)

<1 hour breakthrough time: nitrile rubber (0.5mm)

**Protective Material Types:** We suggest that protective gear be made from the following materials: rubber.

**Respirator:** Usually, no respirator is necessary when using this product for conventional floor applications.

However, if you have any doubts consult the Australian Standard mentioned above.

Safety deluge showers should, if practical, be provided near to where this product is being handled commercially.

## Section 9 - Physical and Chemical Properties:

<b>Physical Description &amp; colour:</b>	Milky pale tan liquid.
<b>Odour:</b>	Slight ammonia odour.
<b>Boiling Point:</b>	Boils approx 100°C at 100kPa.
<b>Freezing/Melting Point:</b>	Below 0°C.
<b>Volatiles:</b>	<15% VOC
<b>Vapour Pressure:</b>	No data.
<b>Vapour Density:</b>	As for water.
<b>Specific Gravity:</b>	1.04
<b>Water Solubility:</b>	Completely miscible in water.
<b>pH:</b>	8 – 9 (as supplied)
<b>Volatility:</b>	No data.
<b>Odour Threshold:</b>	No data.
<b>Evaporation Rate:</b>	As for water.
<b>Coeff Oil/water Distribution:</b>	No data
<b>Autoignition temp:</b>	Not applicable - does not burn.

## Section 10 - Stability and Reactivity

**Reactivity:** This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

**Conditions to Avoid:** Keep containers tightly closed.

**Incompatibilities:** Strong oxidising agents.

**Fire Decomposition:** Fire decomposition products from this product are likely to be toxic and corrosive if inhaled and include: carbon monoxide, carbon dioxide, dense black smoke, aldehydes, organic acids, nitrogen oxides (NO, NO<sub>2</sub>, etc), ammonia and amines. Take appropriate protective measures.

This will only occur after heating to dryness. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

**Polymerisation:** This product will not undergo polymerisation reactions.

## Section 11 - Toxicological Information

### Information on toxicological effects:

Acute toxicity	No known significant effects or hazards.
Skin corrosion/irritation	Irritant.
Serious eye damage/irritation	Serious eye irritant.
Respiratory or skin sensitisation	No known significant effects or hazards.
Germ cell mutagenicity	No known significant effects or hazards.
Carcinogenicity	No known significant effects or hazards.
Reproductive toxicity	May damage the unborn child.
Specific target organ toxicity (STOT)- single exposure	May cause respiratory irritation.
Specific target organ toxicity (STOT)- repeated exposure	No known significant effects or hazards.
Aspiration hazard	No known significant effects or hazards.

## Classification of Hazardous Ingredients

<b>Ingredient:</b>	<b>Health effects:</b>
N-methyl-2-pyrrolidone	Reproductive toxicant. Skin irritation and severe eye damage.
Trimethylamine	Skin irritation and eye irritation. Respiratory irritation.

## Potential Health Effects

### Inhalation:

**Short Term Exposure:** May cause respiratory irritation. Exposure to decomposition products in a fire may cause a health hazard. Serious effects may be delayed following exposure.

**Long Term Exposure:** No data for health effects associated with long term inhalation.

### Skin Contact:

**Short Term Exposure:** Product may be irritating.

**Long Term Exposure:** May cause burns.

### Eye Contact:

**Short Term Exposure:** This product is believed to cause serious eye irritation.

**Long Term Exposure:** No data for health effects associated with long term eye exposure.

### Ingestion:

**Short Term Exposure:** This product may be corrosive to mucous membranes and the digestive tract.

**Long Term Exposure:** No data for health effects associated with long term ingestion.

### Carcinogen Status:

**SWA:** No significant ingredient is classified as carcinogenic by SWA.

**NTP:** No significant ingredient is classified as carcinogenic by NTP.

**IARC:** No significant ingredient is classified as carcinogenic by IARC.

## Section 12 - Ecological Information

No data available. NMP and Triethylamine are readily biodegradable.

## Section 13 - Disposal Considerations

**Disposal:** Containers should be emptied as completely as practical before disposal. If possible, recycle product and containers either in-house or send to recycle company. If this is not practical, send to a commercial waste disposal site.

## Section 14 - Transport Information

**UN Number:** This product is not classified as a Dangerous Good by ADG, IATA or IMDG/IMSBC criteria. No special transport conditions are necessary unless required by other regulations.

## Section 15 - Regulatory Information

**AICS:** All of the significant ingredients in this formulation are compliant with NICNAS regulations.

## Section 16 - Other Information

**This SDS contains only safety-related information. For other data see product literature.**

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO PROVIDE ADDITIONAL INFORMATION. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

**Please read all labels carefully before using product.**

This SDS is prepared in accord with the SWA document "Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice" (December 2011) and is Copyright ©.

### Abbreviations and Definitions of terms used:

<	less than
>	greater than
ADG CODE	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 <sup>th</sup> edition)
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
COD	Chemical Oxygen Demand
deg C	Degrees Celsius
g	gram
g/L	grams per litre

Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
HSIS	Hazardous Substance Information System
IARC	International Agency for Research on Cancer
kg	kilogram
L	Litre
LC50	The concentration of a material (inhaled) that will be lethal to 50% of the test animals.
LD50	The dose (swallowed all at once) which is lethal to 50% of a group of test animals.
m3	Cubic metre

mg	milligram
mg/m3	milligrams per cubic metre
miscible	A liquid that mixes homogeneously with another liquid
N/A	Not applicable
N/K	Not Known
NIOSH	National Institute for Occupational Safety and Health
non-haz	Non- hazardous
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
PEL	Permissible Exposure Limit

ppb	Parts per billion
ppm	Parts per million
R-Phrase	Risk Phrase
STEL	Short term exposure limit
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
SWA	Safe Work Australia, formerly ASCC and NOHSC
TLV	Threshold Limit Value
TWA	Time Weighted average
UN Number	United Nations (Number)
wt	weight

The information in this Data Sheet is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. As far as lawfully possible, Agar Cleaning Systems accepts no liability for any loss, injury or damage (including consequential loss) suffered or incurred by any person as a consequence of reliance on the information and advice contained herein.

End of SDS.