Material Safety Data Sheet

1. Statement of hazardous nature / Product and Company Identification

This product is classified as HAZARDOUS according to the criteria of NOHSC and a Dangerous Good by the criteria of the ADG Code

PRODUCT NAME: **Tribond 300** **Construction Skirting Adhesive**

SUPPLIER:

TRI-FIXX PTY.LTD. (ACN 006 612 719)
26 Howleys Road, Notting Hill VIC 3168.
Phone (03) 9543-8422
Fax Number (03) 9543 4431

2. Composition and Information on Ingredients

Chemical Entity	CAS No	Proportion	R phrase	Hazardous constituents
Acetone	67-64-1	**<10**%	R11,R36	
n-hexane & hexane isomers	110-54-3	**<10**%	R11,R20,R48 R62,R65,R67	
Light aliphatic petroleum solvent	64742-89-8	**10 - 30**%	R11,R20,R21,R48	
Toluene	108-88-3	**10 - 30**%	R11,R20,R65	
Non hazardous materials		to 100%		

No Other Hazardous materials are present in this product at concentrations above the cut off levels as Noted in the List of Designated Hazardous Substances, NOHSC:10005 (1994), or as defined in the Approved Criteria for Classifying Hazardous Substances,[NOHSC:1008(1994)].
A.I.C.S STATUS : All components of this finished product are listed on the A.I.C.S.

3. Hazards Identification

Emergency Overview: Highly flammable, harmful by inhalation, ingestion and by skin and eye contact.
Acute
Swallowed: Moderately toxic. Tends to break up into a foam if the patient vomits. Upon aspiration into the lungs, chemical pneumonitis may develop.

Eye: Irritating to the eye.

Skin : Mildly irritating to the skin. Frequent or prolonged contact can cause skin complaints such as dermatitis

Inhaled: Irritating to the respiratory system. Prolonged exposure to vapours may cause headaches, impairment of judgement, Central Nervous System depression which in extreme cases can lead to unconsciousness or death.

Chronic: Reports exist related to chronic toluene poisoning which indicates bone marrow and liver damage.
Inhalation:- Repeated inhalation or skin exposure to n-hexane has been noted to cause peripheral neuropathy in exposed individuals. Both sensory and motor nerve damage has been documented with long term exposures of greater than 500 ppm. Cessation of exposure is not immediately followed by improvement and symptoms may even progress for 2 - 3 months. Final recovery may take more than one year depending on the severity of the intoxication and may not always be complete. Concurrent exposure to n-hexane and methyl ethyl ketone, MEK, will accelerate the appearance of damage due to n- hexane although MEK will not itself cause the effect. Other isomers of n-hexane do not cause the above effects.
It is not expected that the above effects would be noted in individuals exposed at or below the applicable Time Weighted Average (TWA) exposure limits.
No Other Information Noted in This Section

4. First Aid Measures

Swallowed: DO NOT induce vomiting. Give 1-2 glasses of water and obtain medical assistance. Should the patient vomit, maintain a clear airway until medical assistance is obtained.

Eye: Flush with water for fifteen minutes. It is advisable to obtain Medical Advice concerning any eye injury.

Skin: Hose down with water before removing clothing due to possibility of static discharge igniting vapour. Wash affected areas with soap and water thoroughly. Allow clothing to thoroughly air dry then launder before re-use.

Inhaled: Carefully remove persons to fresh air, avoid becoming affected yourself. If patient is severely affected obtain medical assistance. If the person stops breathing apply artificial respiration and other first aid techniques as required until medical assistance is obtained.

Advice to Doctor:
Oral:- Gastrointestinal irritation, nausea, vomiting and cramping. CNS depression ranging from mild headache to anaesthesia and coma. Pulmonary irritation secondary to exhalation of solvent. Lavage with a cuffed tube if a large quantity is ingested. Aspiration is the main danger. Enforce bed rest & observe carefully & observe for 24 hours for chemical pneumonitis. Longer term medical surveillance may be necessary. Maintain airway & vital functions.
Inhalation:- CNS depression characterised by headache and dizziness which in extreme cases can lead to unconsciousness and death.
No Other Information Noted in This Section.

5. Fire Fighting Measures

Product is FLAMMABLE and does represent a FIRE and EXPLOSION HAZARD.
Excessively heated sealed drums may rupture EXPLOSIVELY.

SOURCES OF IGNITION ADVICE: Isolate from of sources of heat, naked flames and sparks, including static discharges. Prevent build up of flammable vapours. Vapour and air mixtures may ignite explosively.

DANGEROUS DECOMPOSITION: Carbon dioxide, carbon monoxide and other unidentified thermal decomposition products

FIRE FIGHTING RECOMMENDATIONS: USE Water, Water fog, Foam, CO2 OR Dry Chemical

6. Accidental Release Measures

Wear rubber gloves and goggles in addition to respiratory protection for protection from splashes and vapours. Extinguish all ignition sources. Dam & recover. Prevent entry into drainage systems, rivers and waterways etc. Collect with absorbent material such as sand, earth or appropriate commercial absorbent. Shovel up with non-sparking tools then PLACE INTO SUITABLE CONTAINERS . Empty containers may contain product residue. Follow safety procedures until container has been cleaned

7. Handling and storage

Store on a wooden pallet. Store between 0 – 30C. Should recommended max. storage temperature be exceeded, cool sealed container under running water for 30 minutes before use. Excessively heated sealed drums may rupture EXPLOSIVELY.
Keep away from heat, naked flames or sparks including static discharges. Use appropriate earthing techniques when transferring liquid from one container to another. Store away from oxidising agents. Keep containers closed at all times when not in use.
DANGEROUS GOODS CLASS/SUBSIDIARY RISK: Class 3 Flammable Liquid
Packaging Group II

8. Exposure Controls & Personal Protection

Exposure:
This material contains the following materials for which exposure limits have been set by WORKSAFE AUSTRALIA, as listed in the "EXPOSURE STANDARDS FOR ATMOSPHERIC CONTAMINANTS IN THE OCCUPATIONAL ENVIRONMENT 2nd EDITION OCTOBER 1991" is as follows:-

Acetone	67-64-1	TWA: 500 ppm
		STEL: 1,000 ppm
n-hexane	110-54-3	TWA: 50 ppm
		STEL: NOT NOTED
Other isomers of hexane		TWA: 500 ppm
		STEL: 1,000 ppm
Toluene	108-88-3	TWA: 100 ppm
		STEL: 150 ppm

Ventilation:- Provide explosion proof ventilation sufficient to maintain exposure levels below the listed exposure limits.

Personal Protection:

Respiratory type(AS1716) Organic Vapour Mask if exposed to mist or vapours at up to 10 times the exposure limit. Above this level use air supplied or self contained breathing apparatus.

Glove Type: Impervious gloves should be worn to prevent skin contact. Consult Industrial glove supplier for a suitable glove.

Eye: Goggles or Face shield to avoid splashes.

Clothing: Sufficient to avoid skin contact

9. Physical and Chemical Properties

Appearance:	**Cream viscous liquid**
Flash Point	< -20C
Boiling Point:-	**range 50 - 110C**
Flammability Limits:-	Upper UEL **12.0**%
	Lower LEL **1.0**%
Vapour Pressure @ 760 mm Hg	
@ 25 deg C:-	Not Known
Solubility in water :	immiscible
Specific Gravity:	Approx. **0.95**
Evaporation Rate(Butyl Acetate= 1):	Not Determined
Other Data:-	None Noted

Major recommended usage: Specialised applications including **Bonding wall panels**
Method of Application : Mechanical or hand tools

10. Stability and Reactivity

Reactivity: Stable at normal temperatures and pressure.

11. Toxicological Information

Acetone:	Oral-Rat	LD50:5800 mg/kg
	Skin-Rabbit, adult	LD50:20 g/kg
n-hexane:-		Inhalation-Human TCLo:190 ppm/8W:Peripheral nervous system effects
	Oral rat	LD50 28,710 / kg
Toluene:-	Oral Rat	LD50 5000 mg / kg
	Skin rabbit	LD50 12,124 mg / kg

No other data noted

12. Ecological Information

Environmental Information : no data available for this product. Do not allow to enter the environment. Waste Material should be collected and disposed of according to the relevant Local/State or Federal Regulations.

13. Disposal

Refer to Land Waste Management Authority.

14. Transport Information

This material is a Class 3 Flammable Liquid according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Proper Shipping Name: **Adhesive containing flammable liquid (i) immiscible with water**
U.N. NO.:- **1133**
Dangerous Goods Class:- 3
Subsidiary Risk: None Allocated
Hazchem Code: 3(Y)E
Packaging Group: II
Poison Schedule: S5

15. Regulatory Information

Hazard Classification: Harmful Xn

Risk Phrases: R11 Highly flammable
R20 Harmful by inhalation
R21 Harmful by contact with skin
R22 Harmful if swallowed
R48 Danger of serious damage to health by prolonged exposure

Safety Phrases: S 9 Keep container in a well ventilated place
S16 Keep away from sources of ignition No Smoking
S24 Avoid contact with skin
S25 Avoid contact with eyes
S29 Do not empty into drains
S33 Take precautionary measures against static discharge
S51 Use only in well ventilated areas

16. Other Information

Contact Point:
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