



MATERIAL SAFETY DATA SHEET

SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: TANGIT PVC-U

Proper Shipping Name: ADHESIVES CONTAINING FLAMMABLE LIQUIDS

Product Code(s): 406517

Use: Pipe adhesive

Supplier: HENKEL AUSTRALIA PTY. LIMITED ABN 82 001 302 996
CONSUMER ADHESIVES
36 Brand Drive, Thomastown, Vic. 3074 Tel: (03) 9463 3333
24 HOUR EMERGENCY CONTACT NUMBER Tel: 1800 032 379

SECTION 2. HAZARDS IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE:

Hazardous according to the criteria of ASCC. This material has been classified as Irritant (Xi).

Risk phrase(s):

R11 Highly flammable.
R36/37/38 Irritating to eyes, respiratory system and skin.
R67 Vapours may cause drowsiness and dizziness.

Safety phrase(s):

S9 Keep container in a well-ventilated place.
S16 Keep away from sources of ignition.
S23 Do not breathe vapour.
S24/25 Avoid contact with skin and eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28 After contact with skin, wash immediately with plenty of soap suds.
S29 Do not empty into drains.
S33 Take precautionary measures against static discharges.
S46 If swallowed, seek medical advice immediately and show this container or label.

DANGEROUS GOODS INFORMATION:

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

Class: 3 – Flammable liquid

SUSDP POISON SCHEDULE: 5

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS:

CHEMICAL ENTITY	CAS NO.	PROPORTION
Tetrahydrofuran	[109-99-9]	25 - < 30% w/w
Methyl ethyl ketone	[78-93-3]	25 - < 30% w/w
Cyclohexanone	[108-94-1]	< 25% w/w
Polyvinyl chloride polymer		10-30% w/w



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SECTION 4. FIRST AID MEASURES

- Ingestion:** If swallowed, **do not** induce vomiting. For advice, contact a Poisons Information Centre (Phone 13 11 26) or a doctor.
- Skin:** Remove contaminated clothing and wash affected areas with plenty of water. If irritation occurs, seek medical attention.
- Eyes:** Hold eyes open and flush with water for at least 15 minutes. Seek medical attention.
- Inhalation:** If inhaled, remove from contaminated area. For all but the most minor symptoms, arrange for patient to be seen by a doctor as soon as possible.
- Advice to doctor:** Treat symptomatically.
- First Aid facilities:** Eye wash and safety shower

SECTION 5. FIRE FIGHTING MEASURES

- Suitable extinguishing media:** Carbon dioxide, foam, dry chemical, water fog.
- Hazards from combustion products:** Under fire conditions, it will produce toxic fumes.
- Precautions for fire fighters and special protective equipment:** Flammable liquid. Vapours are heavier than air and may accumulate in low areas or poorly ventilated areas to be ignited at locations distant from the handling site. Evacuate unprotected personnel from hazardous area. Fire-fighters should wear full protective clothing and self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Isolate all potential sources of ignition. Wear protective gloves, chemical goggles and waterproof boots. Contain and collect spillage with inert absorbent materials (e.g. sand, earth, vermiculite). Transfer to sealable containers suitable for storing spilled material. Flush areas in contact with spilled material with adequate water to render the area safe for human contact. Note: Residues are not water soluble. Wash down waters may still contain residues which require treatment through local effluent treatment plant. Do not contaminate watercourse. Dispose of solid residues in chemical waste disposal area in accordance with relevant State and Federal requirements.

SECTION 7. HANDLING AND STORAGE

- Safe Handling:** Observe recommendations made under SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION. Use with adequate ventilation. Wear impervious gloves and chemical splash goggles. Empty containers may contain product residue. Do not pressurize or heat containers. Use full flameproof equipment and procedures.
- Storage:** Store indoors in a cool, dry, well ventilated area. Keep containers sealed when not in use. Store between 5°C and 35°C. Protect from physical damage. Store according to relevant State Dangerous Goods Storage Requirements. Refer to AS 1940: The Storage and Handling of Flammable and Combustible Liquids.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- National exposure standards:** TWA : 25 ppm (100 mg/m³) as cyclohexanone
100 ppm (295 mg/m³) as tetrahydrofuran
150 ppm (445 mg/m³) as methyl ethyl ketone
STEL: 300 ppm (890 mg/m³) as methyl ethyl ketone



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Engineering controls: A local mechanical exhaust system is required where vapour is being generated.

Personal protective equipment: Use good industrial hygiene. Avoid contact with skin and eyes. Wear overalls, safety footwear, Ansell Barrier gloves¹ and chemical splash goggles. Use with adequate ventilation. If inhalation risk exists, wear an organic vapour respirator complying with the requirements of AS 1715 and AS 1716.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical data:

Appearance: Colourless, slightly turbid, thixotropic liquid.
Specific gravity: 0.96 @ 23°C
Solubility: Partially soluble in water
Flash Point: -4°C approximately
Boiling Point: 66°C
Odour: Ketone

SECTION 10. STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions of temperature and pressure.

Conditions to avoid: Heat, naked flames, sparks.

Incompatible materials: Keep away from strong acids, strong bases and oxidising agents.

Hazardous decomposition products: When heated to decomposition, it will emit toxic fumes.

Hazardous reactions: Product will not polymerise.

SECTION 11. TOXICOLOGICAL INFORMATION

HEALTH EFFECTS:

Acute:

Ingestion: If swallowed, may cause nausea, vomiting, abdominal pain and harmful effects on the central nervous system.

Skin: Contact with the skin may result in mild irritation. The solvents in this product can be absorbed through the skin.

Eyes: Liquid contact with the eyes can cause irritation.

Inhalation: Inhalation of vapour or mist may cause respiratory irritation, nausea, headache, dizziness and narcosis.

Chronic: Repeated or prolonged skin contact may cause defatting of the skin and lead to dermatitis.

Toxicity information: Oral LD₅₀ (rat): 2737 mg/kg as methyl ethyl ketone
Oral LDLo (rat): 3000 mg/kg as tetrahydrofuran

SECTION 12. ECOLOGICAL INFORMATION

Avoid contaminating watercourse and soil. The polyvinyl chloride polymer contained in this product is not readily biodegradable. The solvents used are biodegradable.

Fish toxicity: 96 hr LC₅₀ (Leuciscus idus) : 4600-4880 mg/l as methyl ethyl ketone²
96 hr LC₅₀ (P. promelas) : 2160 mg/l as tetrahydrofuran³

Daphnia toxicity: 48 hr EC₅₀ (Daphnia magna) : > 520 mg/l as methyl ethyl ketone²
24 hr EC₅₀ (Daphnia magna) : 382 mg/l as tetrahydrofuran³



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SECTION 13. DISPOSAL CONSIDERATIONS

Refer to State Land Waste Management Authority. Normally suitable for disposal by incineration in an approved incineration plant. Empty containers should be left open to allow residual solvents to evaporate prior to disposal at approved landfill site.

SECTION 14. TRANSPORT INFORMATION

UN Number: 1133
Proper Shipping Name: ADHESIVES CONTAINING FLAMMABLE LIQUID
Class: 3, Flammable
Packing Group: II
Hazchem code: •3YE
Emergency Information: Refer to Dangerous Goods-Initial Emergency Response Guide (SAA/SNZ HB 76) or EPG 3A1

SECTION 15. REGULATORY INFORMATION

SUSDP POISON SCHEDULE: 5

SECTION 16. OTHER INFORMATION

Abbreviations/acronyms:

ASCC - Australian Safety and Compensation Council
STEL - Short term exposure limit
SUSDP - Standard for the Uniform Scheduling of Drugs and Poisons
TWA - Time-weighted average

Reference(s):

1. Ansell, Chemical Resistance Guide, Edition 6.
2. A Practical Guide to Protecting Man and the Environment, 1988: Exxon Chemical International Inc.
3. Ecological data: Merck MSDS, Tetrahydrofuran, August 2002.

DISCLAIMER:

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