



Safety Data Sheet according to (EC) No 1907/2006 - ISO 11014-1

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Tangit PVC-U Special Adhesive

SDS no. : 41762
V001.2

Revision: 29.07.2008
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1. Identification of the substance/preparation and of the company/undertaking

Trade name:

Tangit PVC-U Special Adhesive

Intended use:

Pipe adhesive

Company name:

Henkel Limited
Apollo Court, 2 Bishop Square Business Park
Hatfield, Hertfordshire AL10 9EY

Great Britain

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E-mail address of person responsible for Safety Data Sheet:

ua-productsafety.uk@uk.henkel.com

Emergency information:

24 Hours Emergency Tel: +44 0 8701 906777 - For further general health & safety, technical and practical advice on this product, please call +44 (0) 1606 593933 or write to: Technical Services; Henkel Limited; Road 5; Winsford Industrial Estate; Winsford; Cheshire; CW7 3QY- Email: technical.services@henkel.co.uk

2. Hazards identification

The product is classified as hazardous within the meaning of the valid (EU) preparation guideline.

F - Highly flammable

Xi - Irritant

R11 Highly flammable.

R36/37 Irritating to eyes and respiratory system.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

Solvents contained in the product evaporate during processing and their vapors can form explosive/highly inflammable air/vapor mixtures.

Pregnant women should absolutely avoid breathe in and skin contact.

3. Composition / information on ingredients

General chemical description:

Adhesive solution

Base substances of preparation:

Non-plasticized PVC

in a mixture of organic solvents

Declaration of ingredients according to EC/1907/2006:

Hazardous components CAS-No.	EINECS ELINCS	content	Classification
Tetrahydrofuran 109-99-9	203-726-8	25 - < 30 %	Xi - Irritant; R36/37 F - Highly flammable; R11, R19
Butanone 78-93-3	201-159-0	25 - < 30 %	F - Highly flammable; R11 Xi - Irritant; R36 R66 R67
Cyclohexanone 108-94-1	203-631-1	20 - < 25 %	Xn - Harmful; R20 R10

For full text of the R-Phrases indicated by codes see section 16 'Other Information'.

Substances without classification may have community workplace exposure limits available.

4. First aid measures

General information:

In case of adverse health effects seek medical advice.

Inhalation:

After inhalation of vapor: fresh air.

Skin contact:

Rinse with running water. Apply skin care product. Remove contaminated clothes immediately.

Eye contact:

Immediately flush eyes with water, put on a bandage with sterile gauze, see an oculist.

Ingestion:

Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

5. Fire fighting measures

Suitable extinguishing media:

carbon dioxide, foam, powder, water spray jet, fine water spray

Extinguishing media which must not be used for safety reasons:

High pressure waterjet

Special protection equipment for firefighters:

Wear protective equipment.
Wear self-contained breathing apparatus.

Special hazards by the product itself:

Can form explosive gas/air mixtures.

Hazardous combustion products:

carbon monoxide, Carbon dioxide., hydrogen chloride

Additional information:

Do not breathe combustion gases., In case of fire, keep containers cool with water spray.

6. Accidental release measures

Personal precautions:

Ensure adequate ventilation.
Keep away from sources of ignition.

Environmental precautions:

Do not empty into drains / surface water / ground water.

Clean-up methods:

Remove with liquid-absorbing material (sand, peat, sawdust).
Dispose of contaminated material as waste according to item 13.

7. Handling and storage

Handling:

Ventilate working rooms thoroughly. Avoid naked flames, sparking and sources of ignition. Switch off electrical devices. Do not smoke, do not weld. Do not empty waste into waste water drains.

Storage:

Store in a cool place in closed original container.
Temperatures between + 5 °C and + 35 °C
Do not store together with food or other consumables (coffee, tea, tobacco, etc.).

8. Exposure controls / personal protection

Components with specific control parameters for workplace:

Valid for
Great Britain
Basis
UK EH40 WELs

Ingredient	ppm	mg/m ³	Type	Category	Remarks
TETRAHYDROFURAN 109-99-9				Listed.	EH40 WEL
TETRAHYDROFURAN 109-99-9	50	150	Time Weighted Average (TWA).		EU-2000/39/EC
TETRAHYDROFURAN 109-99-9	100	300	Short Term Exposure Limit (STEL):		EU-2000/39/EC
TETRAHYDROFURAN 109-99-9			Skin designation	Can be absorbed through the skin.	EU-2000/39/EC
TETRAHYDROFURAN 109-99-9	100	300	Short Term Exposure Limit (STEL):		EH40 WEL
TETRAHYDROFURAN 109-99-9			Skin designation	Can be absorbed through the skin.	EH40 WEL
TETRAHYDROFURAN 109-99-9	50	150	Time Weighted Average (TWA).		EH40 WEL
CYCLOHEXANONE 108-94-1				Listed.	EH40 WEL
CYCLOHEXANONE 108-94-1	10	40,8	Time Weighted Average (TWA).		EU-2000/39/EC
CYCLOHEXANONE 108-94-1	20	81,6	Short Term Exposure Limit (STEL):		EU-2000/39/EC
CYCLOHEXANONE 108-94-1			Skin designation	Can be absorbed through the skin.	EU-2000/39/EC
CYCLOHEXANONE 108-94-1	10		Time Weighted Average (TWA).		EH40 WEL
CYCLOHEXANONE 108-94-1			Skin designation	Can be absorbed through the skin.	EH40 WEL
CYCLOHEXANONE 108-94-1	20		Short Term Exposure Limit (STEL):		EH40 WEL
BUTAN-2-ONE (METHYL ETHYL KETONE) 78-93-3				Listed.	EH40 WEL
BUTANONE 78-93-3				Listed.	EU-2000/39/EC
BUTANONE 78-93-3	200	600	Time Weighted Average (TWA).		EU-2000/39/EC
BUTANONE 78-93-3	300	900	Short Term Exposure Limit (STEL):		EU-2000/39/EC
BUTAN-2-ONE (METHYL ETHYL KETONE) 78-93-3			Skin designation	Can be absorbed through the skin.	EH40 WEL
BUTAN-2-ONE (METHYL ETHYL KETONE) 78-93-3	200	600	Time Weighted Average (TWA).		EH40 WEL
BUTAN-2-ONE (METHYL ETHYL KETONE) 78-93-3	300	899	Short Term Exposure Limit (STEL):		EH40 WEL

Engineering controls:

Ensure good ventilation/extraction.

Draw off vapours directly at the point of generation and exit. In the case of regular work, provide bench-mounted extraction equipment.

Respiratory protection:

In the event of exposure over short periods of time or to small amounts use respiration filter device. Use a prespiratory protection apparatus which is independent of circulating air in the case of more protracted exposure.

Filter A1-A3 (brown)

Hand protection:

For shorttime contact (1-5 minutes) protective gloves made from special nitrile rubber are recommended according to EN 374
In case of full contact protective gloves made from butyl rubber are recommended according to EN 374.

material thickness > 0.7 mm

Perforation time > 10 minutes

In the case of longer and repeated contact please note that in practice the penetration times may be considerably shorter than those determined according to EN 374. The protective gloves must always be checked for their suitability for use at the specific workplace (e.g. mechanical and thermal stress, product compatibility, antistatic effects, etc.). The gloves must be replaced immediately at the first signs of wear and tear. The information provided by the manufacturers and given in the relevant trade association regulations for industrial safety must always be observed. We recommend that a hand care plan is drawn up in cooperation with a glove manufacturer and the trade association in accordance with the local operating conditions.

Eye protection:

Wear protective goggles in event of spray hazard.

Skin protection:

suitable protective clothing

General protection and hygiene measures:

Do not breathe solvent vapors.

Avoid skin and eye contact.

Do not eat, drink or smoke while working.

When using the product avoid alcohol consumption.

Wash hands before work breaks and after finishing work.

9. Physical and chemical properties

General characteristics:

Appearance

liquid
free-flowing, light,
thixotropic
colourless, slightly,
turbid

Phys./chem. properties:

Flash point

-4 °C (24.8 °F)

Density

0,960 g/cm³

(20 °C (68 °F))

Viscosity (dynamic)

7.000 - 15.000 mPas

(Brookfield; 20 °C (68 °F))

Solubility (qualitative)

partially soluble

(20 °C (68 °F); Solvent: Water)

Explosion limit

lower [vol%]

1,3 %(V)

upper [vol%]

12,6 %(V)

10. Stability and reactivity

Conditions to avoid:

No decomposition if used according to specifications.

Materials to avoid:

None if used for intended purpose.

Hazardous decomposition products:

In the event of a fire, hydrochloric acid gas may be released.

In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO₂) are released.

11. Toxicological information

General toxicological information:

In the event of protracted or repeated exposure, damage to health cannot be excluded.

Inhalative toxicity:

The toxicity of the product is due to its narcotic effect after inhalation.

Skin irritation:

Primary skin irritation: irritating

Eye irritation:

Primary eye irritation: irritating

12. Ecological information

Persistence and degradability:

Ultimate biodegradation:

The total of the organic components contained in the product achieve > 60% BOD/COD or CO₂ liberation, or > 70% DOC reduction in tests for ease of degradability - threshold values for 'readily degradable' (e.g. to OECD method 301).

The product contains polymere components that are degradable to a large extent.

General ecological information:

Do not empty into drains, soil or bodies of water.

13. Disposal considerations

Product disposal:

Waste incineration or treatment plant with the approval of the responsible local authority.

The valid EEC waste code numbers are not product-related but are largely source-related. The manufacturer is therefore unable to specify EEC waste codes for the articles or products used in the various sectors. These can be requested from the manufacturer.

Disposal of uncleaned packages:

Use packages for recycling only when totally empty.

14. Transport information

Road transport ADR:

Class:	3
Packaging group:	II
Classification code:	F1
Hazard ident. number:	33
UN no.:	1133
Label:	3
Technical name:	ADHESIVES
Additional information:	Special provision 640D

Railroad transport RID:

Class:	3
Packaging group:	II
Classification code:	F1
Hazard ident. number:	33
UN no.:	1133
Label:	3
Technical name:	ADHESIVES
Additional information:	Special provision 640D

Inland water transport ADN:

Class: 3
Packaging group: II
Classification code: F1
Hazard ident. number:
UN no.: 1133
Label: 3
Technical name: ADHESIVES
Additional information: Special provision 640D

Marine transport IMDG:

Class: 3
Packaging group: II
UN no.: 1133
Label: 3
EmS: F-E ,S-D
Seawater pollutant: -
Proper shipping name: ADHESIVES

Air transport IATA:

Class: 3
Packaging group: II
Packaging instructions (passenger) 305
Packaging instructions (cargo) 307
UN no.: 1133
Label: 3
Proper shipping name: Adhesives

15. Regulations - classification and identification

Indication of danger:

F - Highly flammable

Xi - Irritant



Risk phrases:

- R11 Highly flammable.
- R36/37 Irritating to eyes and respiratory system.
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.

Safety phrases:

- S2 Keep out of the reach of children.
- S9 Keep container in a well-ventilated place.
- S16 Keep away from sources of ignition - No smoking.
- S25 Avoid contact with eyes.
- S46 If swallowed, seek medical advice immediately and show this container or label.
- S51 Use only in well-ventilated areas.

16. Other information

The labelling of the product is indicated in Section 15. The full text of the R-phrases indicated by codes in this safety data sheet are as follows:

- R10 Flammable.
- R11 Highly flammable.
- R19 May form explosive peroxides.
- R20 Harmful by inhalation.
- R36 Irritating to eyes.
- R36/37 Irritating to eyes and respiratory system.
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.

Further information:

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.