



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

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Tangit PVC-C

SDS no. : 111578

V001.2

Revision: 16.11.2007

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### 1. Identification of the substance/preparation and of the company/undertaking

**Trade name:**

Tangit PVC-C

**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:**

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**Emergency information:**

24 Hours Emergency Tel: +44(0)8701906777

### 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.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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	> 40 - < 45 %	F - Highly flammable; R11, R19 Xi - Irritant; R36/37
Butanone 78-93-3	201-159-0	> 20 - < 25 %	F - Highly flammable; R11 Xi - Irritant; R36 R66 R67
Cyclohexanone 108-94-1	203-631-1	> 7 - < 12 %	R10 Xn - Harmful; R20
2-Ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate 15571-58-1	239-622-4	> 0,1 - < 0,5 %	Xn - Harmful; R43, R48/22 N - Dangerous for the environment; R50/53

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:**

Move to fresh air, consult doctor if complaint persist.

**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 and throat. Drink 1-2 glasses of water. Seek medical advice.

#### 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.

**Additional information:**

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

#### 6. Accidental release measures

**Personal precautions:**

Ensure adequate ventilation.  
Keep away from sources of ignition.  
Wear protective equipment.

**Environmental precautions:**

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

## 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:**

Close the container carefully after use and store it at a good ventilated place.  
Ensure adequate ventilation.  
Temperatures between + 5 °C and + 35 °C  
Do not store together with food or other consumables (coffee, tea, tobacco, etc.).  
Do not store together with oxidants.

## 8. Exposure controls / personal protection

**Components with specific control parameters for workplace:**

Valid for  
Great Britain  
Basis  
UK EH40 WELs

Ingredient	ppm	mg/m <sup>3</sup>	Type	Category	Remarks
tetrahydrofuran 109-99-9	50	150	Time Weighted Average (TWA).		EU-2000/39/EC
	100	300	Short Term Exposure Limit (STEL):		EU-2000/39/EC
			Skin designation.	Can be absorbed through the skin.	EU-2000/39/EC
	50	150	Time Weighted Average (TWA).		EH40 WEL
	100	300	Short Term Exposure Limit (STEL):		EH40 WEL
			Skin designation.	Can be absorbed through the skin.	EH40 WEL
			Listed.		EH40 WEL
butanone; ethyl methyl ketone 78-93-3	200	600	Time Weighted Average (TWA).		EH40 WEL
	300	899	Short Term Exposure Limit (STEL):		EH40 WEL
			Skin designation.	Can be absorbed through the skin.	EH40 WEL
				Listed.	EH40 WEL
	300	900	Short Term Exposure Limit (STEL):		EU-2000/39/EC
	200	600	Time Weighted Average (TWA).		EU-2000/39/EC
			Listed.		EU-2000/39/EC
cyclohexanone 108-94-1	10	40,8	Time Weighted Average (TWA).		EU-2000/39/EC
	20	81,6	Short Term Exposure Limit (STEL):		EU-2000/39/EC
			Skin designation.	Can be absorbed through the skin.	EU-2000/39/EC
	10		Time Weighted Average (TWA).		EH40 WEL
	20		Short Term Exposure Limit (STEL):		EH40 WEL
			Skin designation.	Can be absorbed through the skin.	EH40 WEL
			Listed.		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 (e.g. as protection against splashes) protective gloves made from nitrile / chloroprene rubber are recommended according to EN 374.  
material thickness > 0.6 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:**

Protective goggles

**Skin protection:**

suitable protective clothing

**General protection and hygiene measures:**

Do not breathe solvent vapors.

Avoid contact with skin and eyes. Remove soiled or soaked clothing immediately. Wash off any contamination that gets onto the skin with plenty of water and soap, skin care.

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 whitish, opaque
Odor:	intensive, pronounced individual odour, sweet

**Phys./chem. properties:**

Flash point	-16 °C (3.2 °F)
Vapor pressure (20 °C (68 °F); highest partial vapor pressure )	193 mbar
Density (20 °C (68 °F))	0,981 g/cm <sup>3</sup>
Viscosity (dynamic) (Brookfield; 20 °C (68 °F))	7.000 - 9.000 mPas
Solubility (qualitative) (20 °C (68 °F); Solvent: Water)	partially soluble
Explosion limit lower [vol%]	1,1 %(V)
upper [vol%]	11,8 %(V)

## 10. Stability and reactivity

**Conditions to avoid:**

No decomposition if used according to specifications.

**Materials to avoid:**

Reaction with strong bases  
Reaction with oxidants.  
Reaction with metal halides.

**Hazardous decomposition products:**

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

**Eye irritation:**

Primary eye irritation: irritating

## 12. Ecological information

**General ecological information:**

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

## 13. Disposal considerations

**Product disposal:**

After being soaked up by absorbent material.

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.
- R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 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.
- S16 Keep away from sources of ignition - No smoking.
- S25 Avoid contact with eyes.
- S29 Do not empty into drains.
- S46 If swallowed, seek medical advice immediately and show this container or label.
- S51 Use only in well-ventilated areas.

Contains 2-Ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate. May produce an allergic reaction.

## 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.
- R43 May cause sensitization by skin contact.
- R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.
- R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 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.