Tangit Dytex

SDS No. : 41757
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Tangit Dytex

Contains:
Dichloromethane

1.2. Relevant identified uses of the substance or mixture and uses advised against
Intended use:
Pipe adhesive

1.3. Details of the supplier of the safety data sheet
Henkel AG & Co. KGaA
Henkelstr. 67
40191 Düsseldorf

Germany

Phone: +49 (211) 797-0

ua-productsafety.de@henkel.com

1.4. Emergency telephone number
The Henkel information service also provides an around-the-clock telephone service on phone no.+49-(0)211-797-3350 for exceptional cases.

The product is notified at the 'Information Centers for Cases of Poisoning in Germany'. These centers provide information by telephone day and night in poisoning cases. Central emergency phone number: ++49 (0) 30 19240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (CLP):

Skin irritation	Category 2
H315 Causes skin irritation.	
Serious eye irritation	Category 2
H319 Causes serious eye irritation.	
Specific target organ toxicity - single exposure	Category 3
H335 May cause respiratory irritation.	
H336 May cause drowsiness or dizziness.	
Carcinogenicity	Category 2
H351 Suspected of causing cancer.	
Specific target organ toxicity - repeated exposure	Category 2
H373 May cause damage to organs through prolonged or repeated exposure.	

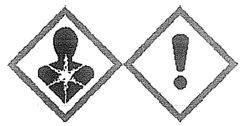
Classification (DPD):

carcinogenic, category 3
R40 Limited evidence of a carcinogenic effect.
Xn - Harmful
R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.
Xi - Irritant
R36/37/38 Irritating to eyes, respiratory system and skin.
R67 Vapours may cause drowsiness and dizziness.

2.2. Label elements

Label elements (CLP):

Hazard pictogram:



Signal word: Warning

Hazard statement:
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.
H373 May cause damage to organs through prolonged or repeated exposure.

Supplemental information Contains Di-n-octyltinbis(2ethylhexylmercaptoacetate). May produce an allergic reaction.

Precautionary statement: P101 If medical advice is needed, have product container or label at hand.

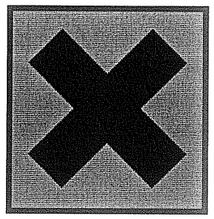
Precautionary statement: Prevention
P201 Obtain special instructions before use.
P260 Do not breathe vapours.

Precautionary statement: Response
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.

Precautionary statement: Disposal
P501 Dispose of waste and residues in accordance with local authority requirements.

Label elements (DPD):

Xn - Harmful



Risk phrases:
R36/37/38 Irritating to eyes, respiratory system and skin.
R40 Limited evidence of a carcinogenic effect.
R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.
R67 Vapours may cause drowsiness and dizziness.

Safety phrases:
S21 When using do not smoke.
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.
S36/37 Wear suitable protective clothing and gloves.
S51 Use only in well-ventilated areas.

Contains:
Dichloromethane

Contains Di-n-octyltinbis(2ethylhexylmercaptoacetate). May produce an allergic reaction.

2.3. **Other hazards**
Pregnant women should absolutely avoid inhalation and skin contact.
Solvents contained in the product evaporate during processing and their vapors can form explosive/highly inflammable air/vapor mixtures.

SECTION 3: Composition/information on ingredients

General chemical description:
Adhesive
Base substances of preparation:
Post-chlorinated PVC
in dichloromethane

Declaration of the ingredients according to CLP (EC) No 1272/2008:

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
Dichloromethane 75-09-2	200-838-9 01-2119480404-41	> 50 %	Skin irritation 2 H315 Serious eye irritation 2 H319 Specific target organ toxicity - single exposure 3 H335 Specific target organ toxicity - single exposure 3 H336 Carcinogenicity 2 H351 Specific target organ toxicity - repeated exposure 2 H373
Di-n-octyltinbis(2ethylhexylmercaptoacetate) 15571-58-1	239-622-4 01-2119486133-40	< 0,5 %	Acute toxicity 4; Oral H302 Skin sensitizer 1; Dermal H317 Toxic to reproduction 1B H360D Specific target organ toxicity - repeated exposure 1; Oral H372 Acute hazards to the aquatic environment 1 H400 Chronic hazards to the aquatic environment 1 H410

For full text of the H - statements and other abbreviations see section 16 "Other information".
Substances without classification may have community workplace exposure limits available.

Declaration of ingredients according to DPD (EC) No 1999/45:

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
Dichloromethane 75-09-2	200-838-9 01-2119480404-41	> 50 %	carcinogenic, category 3; Xn - Harmful; R40 Xi - Irritant; R36/37/38 R67 Xn - Harmful; R48/22
Di-n-octyltinbis(2ethylhexylmercaptoacetate) 15571-58-1	239-622-4 01-2119486133-40	< 0,5 %	Xn - Harmful; R22 Xi - Irritant; R38, R43 T - Toxic; R48/25, R61 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.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:
In case of adverse health effects seek medical advice.

Inhalation:
Move to fresh air, consult doctor if complaint persists.

Skin contact:
Rinse with running water and soap. Skin care. Remove contaminated clothes immediately.

Eye contact:
Immediately flush eyes with soft jet of water or eye rinse solution for at least 5 minutes. If pains remains (intensive smarting, sensivity to light, visual disturbance) continue flushing and contact/seek doctor or hospital.

Ingestion:
Rinse mouth and throat. Drink 1-2 glasses of water. Seek medical advice.

4.2. Most important symptoms and effects, both acute and delayed
EYE: Irritation, conjunctivitis.

SKIN: Redness, inflammation.

RESPIRATORY: Irritation, coughing, shortness of breath, chest tightness.

INGESTION: Nausea, vomiting, diarrhoea, abdominal pain.

Vapors may cause drowsiness and dizziness.

4.3. Indication of any immediate medical attention and special treatment needed
See section: Description of first aid measures

SECTION 5: Firefighting measures

5.1. Extinguishing media
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

5.2. Special hazards arising from the substance or mixture
In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO2) can be released.
Hydrogen chloride.

5.3. Advice for firefighters
Wear self-contained breathing apparatus.
Wear protective equipment.

Additional information:
Cool endangered containers with water spray jet.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation.
Wear protective equipment.
Danger of slipping on spilled product.
Avoid contact with skin and eyes.

6.2. Environmental precautions
Do not empty into drains / surface water / ground water.

6.3. Methods and material for containment and cleaning up
Remove with liquid-absorbing material (sand, peat, sawdust).
Dispose of contaminated material as waste according to Section 13.

6.4. Reference to other sections
See advice in section 8

SECTION 7: Handling and storage

7.1. Precautions for safe 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.
Also to be noted when processing larger amounts (> 1 kg): during processing and drying after adhesion, ventilate well. Avoid all sources of fire such as stoves and ovens. Switch off all electrical devices such as parabolic heaters, hot plates, storage heaters etc. in good time for them to have cooled down before commencing work. Avoid all sparks, including those occurring at electrical switches and devices.

Hygiene measures:

Do not eat, drink or smoke while working.
Wash hands before work breaks and after finishing work.

7.2. Conditions for safe storage, including any incompatibilities

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

7.3. Specific end use(s)

Pipe adhesive

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure Limits

Valid for
Germany

Ingredient	ppm	mg/m³	Type	Category	Remarks
Dichloromethane 75-09-2	75	260	AGW:	4	TRGS 900
Dichloromethane 75-09-2			Short Term Exposure Classification:	Category II: substances with a resorptive effect.	TRGS 900

Predicted No-Effect Concentration (PNEC):

Name on list	Environmental Compartment	Exposure period	Value				Remarks
			mg/l	ppm	mg/kg	others	
Dichloromethane 75-09-2	aqua (freshwater)					0,54 mg/L	
Dichloromethane 75-09-2	aqua (marine water)					0,194 mg/L	
Dichloromethane 75-09-2	aqua (intermittent releases)					0,27 mg/L	
Dichloromethane 75-09-2	sediment (freshwater)				4,47 mg/kg		
Dichloromethane 75-09-2	sediment (marine water)				1,61 mg/kg		
Dichloromethane 75-09-2	soil				0,583 mg/kg		
Dichloromethane 75-09-2	STP					26 mg/L	

Derived No-Effect Level (DNEL):

Name on list	Application Area	Route of Exposure	Health Effect	Exposure Time	Value	Remarks
Dichloromethane 75-09-2	worker	inhalation	Acute/short term exposure - systemic effects		353 mg/m3	
Dichloromethane 75-09-2	worker	Dermal	Long term exposure - systemic effects		2395 mg/kg bw/day	
Dichloromethane 75-09-2	worker	Dermal	Long term exposure - local effects		88,3 mg/cm2	
Dichloromethane 75-09-2	worker	oral	Long term exposure - local effects		0,06 mg/kg bw/day	
Dichloromethane 75-09-2	general population	inhalation	Acute/short term exposure - systemic effects		706 mg/m3	
Dichloromethane 75-09-2	general population	Dermal	Long term exposure - systemic effects		4750 mg/kg bw/day	
Dichloromethane 75-09-2	general population	inhalation	Long term exposure - systemic effects		353 mg/m3	

Biological Exposure Indices:

Ingredient	Parameters	Biological specimen	Sampling time	Conc.	Basis of biol. exposure index	Remark	Additional Information
Dichloromethane 75-09-2	dichloromethane	Blood	Sampling time: End of shift.	1 mg/l	DE BAT		
Dichloromethane 75-09-2	Co-Hb	Blood	Sampling time: End of shift.	5 %	DE BAT		

8.2. Exposure controls:

Respiratory protection:
Suitable breathing mask when there is inadequate ventilation.
Filter : AX
This recommendation should be matched to local conditions.

Hand protection:
For shorttime contact (e.g. as protection against splashes) protective gloves made from nitrile / chloroprene rubber are recommended according to EN 374.
Perforation time > 10 minutes
material thickness > 0.6 mm
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:
Goggles which can be tightly sealed.

Skin protection:
Suitable protective clothing

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	liquid low viscosity brownish, clear
Odor	of solvent
Odour threshold	No data available / Not applicable
pH	No data available / Not applicable
Initial boiling point	41 °C (105.8 °F)
Flash point	not applicable
Decomposition temperature	No data available / Not applicable
Vapour pressure	No data available / Not applicable
Density (20 °C (68 °F))	1,34 - 1,36 g/cm3
Bulk density	No data available / Not applicable
Viscosity (Brookfield; 20 °C (68 °F))	170 - 320 mPa.s
Viscosity (kinematic)	No data available / Not applicable
Explosive properties	No data available / Not applicable
Solubility (qualitative) (23 °C (73.4 °F); Solvent: Water)	Insoluble
Solidification temperature	No data available / Not applicable
Melting point	No data available / Not applicable
Flammability	No data available / Not applicable
Auto-ignition temperature	No data available / Not applicable
Explosive limits	
lower	13 %(V)
upper	22 %(V) The product is not explosive. The formation of explosive vapor/air mixtures is possible.
Partition coefficient: n-octanol/water	No data available / Not applicable
Evaporation rate	No data available / Not applicable
Vapor density	No data available / Not applicable
Oxidising properties	No data available / Not applicable

9.2. Other information

No data available / Not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity
None if used for intended purpose.

10.2. Chemical stability
Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions
See section reactivity

10.4. Conditions to avoid
None if used for intended purpose.

10.5. Incompatible materials
None if used properly.

10.6. 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.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

General toxicological information:
The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation 1272/2008/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.
May cause damage to organs through prolonged or repeated exposure.

Inhalative toxicity:
May cause respiratory irritation.
Vapors may cause drowsiness and dizziness.
The toxicity of the product is due to its narcotic effect after inhalation.
In the event of protracted or repeated exposure, damage to health cannot be excluded.

Skin irritation:
Causes skin irritation.

Eye irritation:
Causes serious eye irritation.

Sensitizing:
An allergic reaction cannot be excluded after repeated skin contact.

Carcinogenicity:
Suspected of causing cancer

Acute oral toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Dichloromethane 75-09-2	LD50	2.120 mg/kg	oral		rat	
Di-n-octyltinbis(2ethylhexylmercaptoacetate) 15571-58-1	LD50	2.000 mg/kg	oral		rat	OECD Guideline 401 (Acute Oral Toxicity)

Acute dermal toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Dichloromethane 75-09-2	LD50	> 2.000 mg/kg	dermal		rat	OECD Guideline 402 (Acute Dermal Toxicity)
Di-n-octyltinbis(2ethylhexylmercaptoacetate) 15571-58-1	LD50	> 2.000 mg/kg	dermal		rat	OECD Guideline 402 (Acute Dermal Toxicity)

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Dichloromethane 75-09-2	irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Di-n-octyltinbis(2ethylhexylmercaptoacetate) 15571-58-1	not irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Dichloromethane 75-09-2	irritating		rabbit	

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
Dichloromethane 75-09-2	not sensitising	Mouse local lymphnode assay (LLNA)	mouse	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)
Di-n-octyltinbis(2ethylhexylmercaptoacetate) 15571-58-1	sensitising	Guinea pig maximisation test	guinea pig	OECD Guideline 406 (Skin Sensitisation)

Germ cell mutagenicity:

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Dichloromethane 75-09-2	positive	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Di-n-octyltinbis(2ethylhexylmercaptoacetate) 15571-58-1	ambiguous	bacterial reverse mutation assay (e.g Ames test)	with and without		

Carcinogenicity:

Hazardous components CAS-No.	Result	Species	Sex	Exposure timeFrequency of treatment	Route of application	Method
Dichloromethane 75-09-2	carcinogenic	rat	male/female	102 w 6 h/d, 5 d/w	inhalation: vapour	OECD Guideline 451 (Carcinogenicity Studies)

Repeated dose toxicity

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
Di-n-octyltinbis(2ethylhexylmercaptoacetate) 15571-58-1	NOAEL=25 ppm	oral: feed	90 days daily	rat	

SECTION 12: Ecological information

General ecological information:

The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation 1272/2008/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

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

12.1. Toxicity

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Dichloromethane 75-09-2	LC50	193 mg/l	Fish	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
Dichloromethane 75-09-2	EC50	220 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Dichloromethane 75-09-2	EC50	> 660 mg/l	Algae	96 h	Selenastrum capricornutum (new name: Pseudokirchnerella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Di-n-octyltinbis(2ethylhexylmercaptoacetate) 15571-58-1	LC50	> 93,2 mg/l	Fish	96 h	Brachydanio rerio (new name: Danio rerio)	EU Method C.1 (Acute Toxicity for Fish)
Di-n-octyltinbis(2ethylhexylmercaptoacetate) 15571-58-1	EC50	0,17 - 0,18 mg/l	Daphnia	48 h	Daphnia magna	EU Method C.2 (Acute Toxicity for Daphnia)
Di-n-octyltinbis(2ethylhexylmercaptoacetate) 15571-58-1	EC50	0,12 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)
	NOEC	0,04 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)

12.2. Persistence and degradability

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Dichloromethane 75-09-2	inherently biodegradable	aerobic	5 - 26 %	OECD Guideline 301 C (Ready Biodegradability: Modified MITI Test (I))
Di-n-octyltinbis(2ethylhexylmercaptoacetate) 15571-58-1		aerobic	19 %	OECD Guideline 301 C (Ready Biodegradability: Modified MITI Test (I))

12.3. Bioaccumulative potential / 12.4. Mobility in soil

Hazardous components CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
Dichloromethane 75-09-2	1,25					
Di-n-octyltinbis(2ethylhexylmercaptoacetate) 15571-58-1	15,35					

12.5. Results of PBT and vPvB assessment

Hazardous components CAS-No.	PBT/vPvB
Dichloromethane 75-09-2	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
Di-n-octyltinbis(2ethylhexylmercaptoacetate) 15571-58-1	Not fulfilling PBT (persistent/bioaccummulative/toxic) criteria

12.6. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product disposal:
Dispose of waste and residues in accordance with local authority requirements.

Disposal of uncleaned packages:
Use packages for recycling only when totally empty.

Waste code
08 04 09 Waste adhesives and sealants containing organic solvents or other dangerous substances

SECTION 14: Transport information

14.1. UN number

ADR	1593
RID	1593
ADNR	1593
IMDG	1593
IATA	1593

14.2. UN proper shipping name

ADR	DICHLOROMETHANE (solution)
RID	DICHLOROMETHANE
ADNR	DICHLOROMETHANE
IMDG	DICHLOROMETHANE (EH&S)
IATA	Dichloromethane (2027838)

14.3. Transport hazard class(es)

ADR	6.1
RID	6.1
ADNR	6.1
IMDG	6.1
IATA	6.1

14.4. Packaging group

ADR	III
RID	III
ADNR	III
IMDG	III
IATA	III

14.5. Environmental hazards

ADR	not applicable
RID	not applicable
ADNR	not applicable
IMDG	not applicable
IATA	not applicable

14.6. Special precautions for user

ADR	not applicable Tunnelcode: (E)
RID	not applicable
ADNR	not applicable
IMDG	not applicable
IATA	not applicable

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

VOC content 88,7 %
(VOCV 814.018 VOC regulation
CH)

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

National regulations/information (Germany):

WGK:	2, water-endangering product. (German VwVwS of May 17, 1999) Classification in conformity with the calculation method
Storage class according to TRGS 510:	6.1D
General remarks (DE):	This product is in scope of the German regulation "ChemikalienVerbotsVerordnung"

SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text
of all abbreviations indicated by codes in this safety data sheet are as follows:

R22 Harmful if swallowed.
R36/37/38 Irritating to eyes, respiratory system and skin.
R38 Irritating to skin.
R40 Limited evidence of a carcinogenic effect.
R43 May cause sensitisation by skin contact.
R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.
R48/25 Toxic: 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.
R61 May cause harm to the unborn child.
R67 Vapours may cause drowsiness and dizziness.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.
H360D May damage the unborn child.
H372 Causes damage to organs through prolonged or repeated exposure.
H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Further information:

The product is intended for industrial use.
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.