



## Safety Data Sheet according to (EC) No 1907/2006

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TEROTEX-SUPER 3000 SZ DS 1L INT

sds no. : 76464

V005.0

Revision: 16.02.2011

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

**Product identifier:**

TEROTEX-SUPER 3000 SZ DS 1L INT

**Relevant identified uses of the substance or mixture and uses advised against:**

Intended use:

Road stone anti chip agent

**Details of the supplier of the safety data sheet:**

Henkel Limited  
Technologies House  
Wood Lane End  
HP2 4RQ Hemel Hempstead

Great Britain

Phone: +44 (0)1442 278000

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ua-productsafety.uk@uk.henkel.com

**Emergency telephone number:**

24 Hours Emergency Tel: +44 (0)1442 278497

### 2. Hazards identification

**Classification of the substance or mixture:**

**Classification (CLP):**

No data available.

**Classification (DPD):**

F - Highly flammable

R10 Flammable.

Xn - Harmful

R20/21 Harmful by inhalation and in contact with skin.

Xi - Irritant

R38 Irritating to skin.

N - Dangerous for the environment

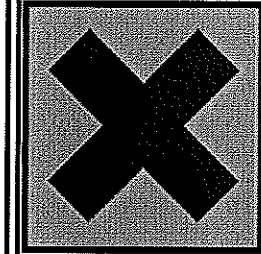
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Label elements (CLP):**

No data available.

**Label elements (DPD):**

**Xn - Harmful**



**Risk phrases:**

- R10 Flammable.
- R20/21 Harmful by inhalation and in contact with skin.
- R38 Irritating to skin.
- R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Safety phrases:**

- S9 Keep container in a well-ventilated place.
- S24 Avoid contact with skin.
- S28 After contact with skin, wash immediately with plenty of water and soap.
- S37 Wear suitable gloves.
- S51 Use only in well-ventilated areas.
- S60 This material and its container must be disposed of as hazardous waste.

**Contains:**

Xylene - mixture of isomeres,  
Naphtha (petroleum), hydrodesulfurized heavy

**Other hazards:**

The solvent vapors are heavier than air and may collect in high concentrations at floor level. In use, may form explosive or highly flammable vapor-air mixtures.

### 3. Composition/information on ingredients

**General chemical description:**

Coating

**Base substances of preparation:**

Resin  
Inorganic fillers  
Hydrocarbon mixture, low aromatics

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

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
Xylene - mixture of isomers 1330-20-7	215-535-7	< 25 %	Acute toxicity 4; Inhalation H332 Acute toxicity 4; Dermal H312 Skin irritation 2 H315 Flammable liquids 3 H226
Naphtha (petroleum), hydrodesulfurized heavy 64742-82-1	265-185-4	< 20 %	Carcinogenicity 1B H350 Germ cell mutagenicity 1B H340 Aspiration hazard 1 H304
Ethylbenzene 100-41-4	202-849-4	< 10 %	Flammable liquids 2 H225 Acute toxicity 4; Inhalation H332
Solvent naphtha (petroleum), heavy arom. 64742-94-5	265-198-5	< 1 %	Aspiration hazard 1 H304

Only dangerous ingredients for which a CLP classification is already available are displayed in this table.  
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
Xylene - mixture of isomers 1330-20-7	215-535-7	< 25 %	R10 Xi - Irritant; R38 Xn - Harmful; R20/21
Naphtha (petroleum), hydrodesulfurized heavy 64742-82-1	265-185-4	< 20 %	R10 N - Dangerous for the environment; R51/53 Xn - Harmful; R65 R66, R67
Ethylbenzene 100-41-4	202-849-4	< 10 %	F - Highly flammable; R11 Xn - Harmful; R20
Solvent naphtha (petroleum), heavy arom. 64742-94-5	265-198-5	< 1 %	Xn - Harmful; R65 N - Dangerous for the environment; R51/53

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****Description of first aid measures:****General information:**

If adverse health effects develop seek medical attention.

**Inhalation:**

Move to fresh air, consult doctor if complaint persists.

**Skin contact:**

Rinse immediately with plenty of running water (for 10 minutes), Remove all contaminated clothing and apply bandage. Seek medical advice.

**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 out mouth, drink 1-2 glasses of water, do not induce vomiting.  
Seek medical advice, symptomatic treatment.

**Most important symptoms and effects, both acute and delayed:**

Harmful by inhalation.

Harmful in contact with skin.

Irritating to the skin.

**Indication of any immediate medical attention and special treatment needed:**

Move to fresh air, consult doctor if complaint persists.

Wipe off affected skin area immediately with a soft cloth and then wash with running water and mild soap; apply skin care product.

Seek medical attention from a specialist.

### 5. Firefighting measures

**Extinguishing media:**

**Suitable extinguishing media:**

All common extinguishing agents are suitable.

**Extinguishing media which must not be used for safety reasons:**

High pressure waterjet

**Special hazards arising from the substance or mixture:**

In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>) can be released.

**Advice for firefighters:**

Wear self-contained breathing apparatus.

Wear protective equipment.

### 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:**

Wear protective equipment.

See advice in chapter 8

Avoid contact with skin and eyes.

**Environmental precautions:**

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

Inform authorities in the event of product spillage to water courses or sewage systems.

**Methods and material for containment and cleaning up:**

Remove with liquid-absorbing material (sand, peat, sawdust).

Dispose of contaminated material as waste according to Chapter 13.

### 7. Handling and storage

**Precautions for safe handling:**

**Hygiene measures:**

Do not eat, drink or smoke while working.

Wash hands before work breaks and after finishing work.

**Conditions for safe storage, including any incompatibilities:**

Ensure good ventilation/extraction.

Store in a cool, well-ventilated place.

Temperatures between + 10 °C and + 25 °C

**Specific end use(s):**  
Road stone anti chip agent

### 8. Exposure controls/personal protection

**Control parameters:**  
Valid for  
Great Britain  
Basis  
UK EH40 WELs

Ingredient	ppm	mg/m3	Type	Category	Remarks
XYLENE, MIXED ISOMERS, PURE 1330-20-7	50	220	Skin designation:	Can be absorbed through the skin.	ECTLV
XYLENE, O-, M-, P- OR MIXED ISOMERS 1330-20-7			Time Weighted Average (TWA):		EH40 WEL
XYLENE, O-, M-, P- OR MIXED ISOMERS 1330-20-7	100	441	Short Term Exposure Limit (STEL):		EH40 WEL
XYLENE, O-, M-, P- OR MIXED ISOMERS 1330-20-7			Skin designation:	Can be absorbed through the skin.	EH40 WEL
XYLENE, MIXED ISOMERS, PURE 1330-20-7	50	221	Time Weighted Average (TWA):	Indicative	ECTLV
XYLENE, MIXED ISOMERS, PURE 1330-20-7	100	442	Short Term Exposure Limit (STEL):	Indicative	ECTLV
ETHYLBENZENE 100-41-4	125	552	Short Term Exposure Limit (STEL):		EH40 WEL
ETHYLBENZENE 100-41-4	100	441	Skin designation:	Can be absorbed through the skin.	EH40 WEL
ETHYLBENZENE 100-41-4			Time Weighted Average (TWA):	EH40 WEL	
ETHYLBENZENE 100-41-4			Skin designation:	Can be absorbed through the skin.	ECTLV
ETHYLBENZENE 100-41-4	100	442	Time Weighted Average (TWA):	Indicative	ECTLV
ETHYLBENZENE 100-41-4	200	884	Short Term Exposure Limit (STEL):	Indicative	ECTLV
DIISONONYL PHTHALATE 28553-12-0		5	Time Weighted Average (TWA):		EH40 WEL

**Exposure controls:**

**Engineering controls:**

Use only in well ventilated areas.  
Draw off vapors and fumes directly at the point of generation or release. In the case of regular work use bench-mounted extraction equipment.

**Respiratory protection:**

The product should only be used at workplaces with intensive ventilation/extraction. If intensive ventilation/extraction is not possible then self-contained independent respiratory protection should be worn.

**Hand protection:**

Chemical-resistant protective gloves (EN 374). Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374): Isobutylene-isoprene rubber (IIR; >= 0.7 mm thickness) Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374): Isobutylene-isoprene rubber (IIR; >= 0.7 mm thickness) This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

**Eye protection:**

Protective goggles

**Skin protection:**  
Wear protective equipment.  
Protective clothing that covers arms and legs.

**Advices to personal protection equipment:**  
Use only personal protection that's CE-labelled according to the regulation no. 819 of 19 August 1994.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties:

Appearance	liquid highly viscous
Odor	black aromatic
pH	No data available / Not applicable
Initial boiling point (1.013 hPa)	139 °C (282.2 °F)
Flash point	27 °C (80.6 °F); DIN 51755 Closed cup flash point
Decomposition temperature	No data available / Not applicable
Vapour pressure	No data available / Not applicable
Density (20 °C (68 °F))	1,2 g/cm <sup>3</sup>
Bulk density	No data available / Not applicable
Viscosity	No data available / Not applicable
Viscosity (kinematic)	No data available / Not applicable
Explosive properties	No data available / Not applicable
Solubility (qualitative) (20 °C (68 °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	No data available / Not applicable
Partition coefficient: n-octanol/water	No data available / Not applicable
Evaporation rate	No data available / Not applicable
Vapor density	No data available / Not applicable
Solid content	58 - 60 %
Oxidising properties	No data available / Not applicable
<b>Other information:</b>	
Flow cup viscosity (23,0 °C (73.4 °F); Type of cup: DIN-Cup; Nozzle: 3,0 mm)	> 300,0 s

## 10. Stability and reactivity

### Reactivity:

Reaction with strong acids.  
Reaction with strong oxidants.

### Chemical stability:

Stable under recommended storage conditions.

### Possibility of hazardous reactions:

See section reactivity

### Conditions to avoid:

Take measures to prevent the build-up of electrostatic charges.  
Heat, flames, sparks and other sources of ignition.

**Hazardous decomposition products:**

No decomposition if used according to specifications.

**11. Toxicological information****General toxicological information:**

The preparation is classified based on the conventional method outlined in Article 6(1)(a) of Directive 1999/45/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

**Inhalative toxicity:**

Harmful by inhalation.

**Dermal toxicity:**

Harmful in contact with skin.

**Skin irritation:**

Irritating to the skin.

**Acute toxicity:**

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Xylene - mixture of isomeres 1330-20-7	LD50	3.523 - 8.700	oral	4 h	rat rabbit	
	LC50	mg/kg	inhalation			
	LD50	6350 ppm > 4.350 mg/kg	dermal			
Solvent naphtha (petroleum), heavy arom. 64742-94-5	LC50	> 0,17 mg/l	inhalation	4 h	rat	OECD Guideline 403 (Acute Inhalation Toxicity)

**Skin corrosion/irritation:**

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Xylene - mixture of isomeres 1330-20-7	moderately irritating		rabbit	

**Serious eye damage/irritation:**

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Xylene - mixture of isomeres 1330-20-7	not irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

**Germ cell mutagenicity:**

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Xylene - mixture of isomeres 1330-20-7	negative	bacterial reverse mutation assay (e.g. Ames test)	with and without		
Ethylbenzene 100-41-4	negative negative negative	sister chromatid exchange assay in mammalian cells in vitro mammalian chromosome aberration test bacterial reverse mutation assay (e.g. Ames test)	with and without with and without with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Ethylbenzene 100-41-4	negative	intraperitoneal		mouse	

## 12. Ecological information

### General ecological information:

The preparation is classified based on the conventional method outlined in Article 6(1)(a) of Directive 1999/45/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

Harmful to aquatic organisms.

May cause long-term adverse effects in the aquatic environment.

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

### Toxicity:

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Xylene - mixture of isomeres 1330-20-7	LC50	86 mg/l	Fish		Leuciscus idus	OECD Guideline 203 (Fish, Acute Toxicity Test)
Xylene - mixture of isomeres 1330-20-7	EC50	3,1 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Xylene - mixture of isomeres 1330-20-7	EC50	1 - 10 mg/l	Algae		Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Naphtha (petroleum), hydrodesulfurized heavy 64742-82-1	LC50	68,2 mg/l	Fish	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
Naphtha (petroleum), hydrodesulfurized heavy 64742-82-1	EC50	100 - 220 mg/l	Daphnia		Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Naphtha (petroleum), hydrodesulfurized heavy 64742-82-1	EC50	10 - 100 mg/l	Algae			OECD Guideline 201 (Alga, Growth Inhibition Test)
Ethylbenzene 100-41-4	LC50	44 mg/l	Fish	48 h	Leuciscus idus melanotus	
Ethylbenzene 100-41-4	EC50	75 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Ethylbenzene 100-41-4	EC50	> 160 mg/l	Algae	8 d	Scenedesmus quadricauda	OECD Guideline 201 (Alga, Growth Inhibition Test)
Solvent naphtha (petroleum), heavy arom. 64742-94-5	LC50	3 mg/l	Fish			OECD Guideline 203 (Fish, Acute Toxicity Test)
Solvent naphtha (petroleum), heavy arom. 64742-94-5	EC50	1,1 mg/l	Daphnia		Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Solvent naphtha (petroleum), heavy arom. 64742-94-5	EC50	1 - 3 mg/l	Algae			OECD Guideline 201 (Alga, Growth Inhibition Test)

### Persistence and degradability:

Hazardous components CAS-No.	Result	Route of application	Degradability	Method

Xylene - mixture of isomeres 1330-20-7	readily biodegradable	aerobic	> 60 %	
Naphtha (petroleum), hydrodesulfurized heavy 64742-82-1	readily biodegradable	aerobic	63 %	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
Ethylbenzene 100-41-4		aerobic	69 %	EU Method C.4-F (Determination of the "Ready" Biodegradability MITI Test)
Solvent naphtha (petroleum), heavy arom. 64742-94-5		aerobic	39 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)

**Bioaccumulative potential / Mobility in soil:**

Hazardous components CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
Xylene - mixture of isomeres 1330-20-7		8,5	7 d	Oncorhynchus mykiss		
Xylene - mixture of isomeres 1330-20-7	3,12					
Naphtha (petroleum), hydrodesulfurized heavy 64742-82-1	3,5 - 6,4				20 °C	OECD Guideline 117 (Partition Coefficient (n- octanol / water), HPLC Method)
Ethylbenzene 100-41-4	3,15				25 °C	

**13. Disposal considerations****Waste treatment methods:****Product disposal:**

The valid EEC waste code numbers are not product-related but are largely source-related. These can be requested from the manufacturer.

In consultation with the responsible local authority, must be subjected to special treatment.

**14. Transport information****Road transport ADR:**

Class: 3  
Packaging group: III  
Classification code: F1  
Hazard ident. number: 30  
UN no.: 1139  
Label: 3  
Technical name: COATING SOLUTION  
Tunnelcode: (D/E)  
Additional information: Special provision 640E

**Railroad transport RID:**

Class: 3  
Packaging group: III  
Classification code: F1  
Hazard ident. number: 30  
UN no.: 1139  
Label: 3  
Technical name: COATING SOLUTION  
Tunnelcode:  
Additional information: Special provision 640E

**Inland water transport ADN:**

Class: 3  
Packaging group: III  
Classification code: F1  
Hazard ident. number:  
UN no.: 1139  
Label: 3  
Technical name: COATING SOLUTION  
Additional information: Special provision 640E

**Marine transport IMDG:**

Class: 3  
Packaging group: III  
UN no.: 1139  
Label: 3  
EmS: F-E ,S-E  
Seawater pollutant: Marine pollutant  
Proper shipping name: COATING SOLUTION (Solvent naphtha)

**Air transport IATA:**

Class: 3  
Packaging group: III  
Packaging instructions (passenger): 309  
Packaging instructions (cargo): 310  
UN no.: 1139  
Label: 3  
Proper shipping name: Coating solution

**15. Regulatory information**

**Safety, health and environmental regulations/legislation specific for the substance or mixture:**

VOC content 28 %  
(VOCV 814.018 VOC regulation  
CH)

**VOC Paints and Varnishes (EU):**

Regulatory Basis: Directive 2004/42/EC  
Product (sub)category: Special finishes  
Phase I (from 1.1.2007): 840 g/l  
max. VOC content: 360 g/l

#### 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:

- R10 Flammable.
- R11 Highly flammable.
- R20 Harmful by inhalation.
- R20/21 Harmful by inhalation and in contact with skin.
- R38 Irritating to skin.
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R65 Harmful: may cause lung damage if swallowed.
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.
  
- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H332 Harmful if inhaled.
- H340 May cause genetic defects.
- H350 May cause cancer.

**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.

