



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

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TEROKAL-150 SD150ML

sds no. : 76950

V004.0

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

Product identifier:

TEROKAL-150 SD150ML

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

Intended use:

Primer

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

Fax-no.: +44 (0)1442 278071

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+ - Extremely flammable

R12 Extremely flammable.

Xi - Irritant

R38 Irritating to skin.

Xn - Harmful

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

Label elements (CLP):

No data available.

Label elements (DPD):

F+ - Extremely flammable

Xn - Harmful

**Risk phrases:**

R12 Extremely flammable.

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

R38 Irritating to skin.

Safety phrases:

S16 Keep away from sources of ignition - No smoking.

S23 Do not breathe gas/fumes/vapour/spray.

S36 Wear suitable protective clothing.

S51 Use only in well-ventilated areas.

Additional labeling:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children

Contains:

Xylene - mixture of isomers

Contains AminoEt-3-aminopropyl)Medimethoxysilane. May produce an allergic reaction.

Other hazards:

The aerosol container is under pressure. Do not expose to high temperatures.

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.

Persons suffering from allergic reactions to amines should avoid contact with the product.

3. Composition/information on ingredients**General chemical description:**

Primer, containing solvents

Base substances of preparation:

Mixture of organic solvents

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
Dimethyl ether 115-10-6	204-065-8	> 25 %	Flammable gases 1 H220 Gases under pressure

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 isomeres 1330-20-7	215-535-7	> 25 %	R10 Xi - Irritant; R38 Xn - Harmful; R20/21
Dimethyl ether 115-10-6	204-065-8	> 25 %	F+ - Extremely flammable; R12
AminoEt-3- aminopropyl)Medimethoxysilane 3069-29-2	221-336-6	< 1 %	Xi - Irritant; R41, R43

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:

In case of adverse health effects seek medical advice.

Inhalation:

Fresh air, oxygen supply, warmth; seek specialist medical attention.

Skin contact:

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

Eye contact:

Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

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 in contact with skin.

Harmful by inhalation.

Irritating to the skin.

Indication of any immediate medical attention and special treatment needed:

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

Move to fresh air, consult doctor if complaint persists.

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:

Water jet (solvent-containing product).

Special hazards arising from the substance or mixture:

Cool aerosol containers with jet of water. Containers may explode.

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

Advice for firefighters:

- Wear protective equipment.
- Wear self-contained breathing apparatus.

6. Accidental release measures

General information:

- Sort out leaking cans, spray until empty and destroy.

Personal precautions, protective equipment and emergency procedures:

- Wear protective equipment.
- Don't breathe vapours or aerosole.
- Avoid contact with skin and eyes.
- Danger of slipping on spilled product.
- Keep unprotected persons away.

Environmental precautions:

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

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.

Reference to other sections:

- See advice in chapter 8

7. Handling and storage

Precautions for safe handling:

- Avoid naked flames, sparking and sources of ignition.
- Ensure good ventilation/suction at the workplace.
- Take measures to prevent the build-up of electrostatic charges.
- Use explosion-proof equipment.

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 place.
- Protect from direct sunlight and temperatures above 50°C. The storage regulations for aerosols apply.
- Storage at 15 to 25°C is recommended.

Specific end use(s):

- Primer

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			Skin designation:	Can be absorbed through the skin.	ECLTV
XYLENE, O-, M-, P- OR MIXED ISOMERS 1330-20-7	50	220	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	ECLTV
XYLENE, MIXED ISOMERS, PURE 1330-20-7	100	442	Short Term Exposure Limit (STEL):	Indicative	ECLTV
DIMETHYL ETHER 115-10-6	500	958	Short Term Exposure Limit (STEL):		EH40 WEL
DIMETHYL ETHER 115-10-6	400	766	Time Weighted Average (TWA):		EH40 WEL
DIMETHYLETHER 115-10-6	1.000	1.920	Time Weighted Average (TWA):	Indicative	ECLTV

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:

Suitable breathing mask when there is inadequate ventilation.

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:

Wear tight fitting 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	aerosol liquid yellowish
Odor	aromatic
pH	No data available / Not applicable
Initial boiling point	No data available / Not applicable
Flash point	-42 °C (-43.6 °F); no method
Decomposition temperature	No data available / Not applicable
Vapour pressure	No data available / Not applicable
Density (20 °C (68 °F))	0,72 g/cm ³
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) (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
Oxidising properties	No data available / Not applicable

Other information:

No data available / Not applicable

10. Stability and reactivity

Reactivity:

None if used for intended purpose.

Chemical stability:

Stable under recommended storage conditions.

Possibility of hazardous reactions:

See section reactivity

Conditions to avoid:

Temperatures over appr. 50 °C

Container may burst when heated to over 50°C. The contents may form explosive, combustible mixture. Avoid ignition sources and naked flames. Comply with warning on container label.

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.

Persons suffering from allergic reactions to amines should avoid contact with the product.

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 LC50 LD50	3.523 - 8.700 mg/kg 6350 ppm > 4.350 mg/kg	oral inhalation dermal	4 h	rat rabbit	
AminoEt-3- aminopropyl)Medimethox ysilane 3069-29-2	LD50	> 2.000 mg/kg	oral		rat	OECD Guideline 401 (Acute Oral 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		
Dimethyl ether 115-10-6	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		

Repeated dose toxicity

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
Dimethyl ether 115-10-6	NOAEL=> 10000 ppm	inhalation	4 week 6 hours/day, 5 days/week	rat	

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.

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)
Dimethyl ether 115-10-6	LC50	> 4.000 mg/l	Fish	96 h	Poecilia reticulata	OECD Guideline 203 (Fish, Acute Toxicity Test)
Dimethyl ether 115-10-6	EC50	> 4.000 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Dimethyl ether 115-10-6	EC50	> 1.000 mg/l	Algae			OECD Guideline 201 (Alga, Growth Inhibition Test)
AminoEt-3- aminopropyl)Medimethoxysil ane 3069-29-2	LC50	168 mg/l	Fish	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
AminoEt-3- aminopropyl)Medimethoxysil ane 3069-29-2	EC50	> 100 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
AminoEt-3- aminopropyl)Medimethoxysil ane 3069-29-2	EC50	110 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	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 %	
Dimethyl ether 115-10-6	under test conditions no biodegradation observed	aerobic	5 %	EU Method C.4-A (Determination of the "Ready" Biodegradability/Dissolved Organic Carbon (DOC) Die-Away Test)
AminoEt-3- aminopropyl)Medimethoxysil ane 3069-29-2		aerobic	50 %	OECD Guideline 301 A (new version) (Ready Biodegradability: DOC Die Away 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					
Dimethyl ether 115-10-6	0,1					
AminoEt-3- aminopropyl)Medimethoxysil ane 3069-29-2	-0,42					

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:	2
Packaging group:	
Classification code:	5F
Hazard ident. number:	
UN no.:	1950
Label:	2.1
Technical name:	AEROSOLS
Tunnelcode:	(D)

Railroad transport RID:

Class:	2
Packaging group:	
Classification code:	5F
Hazard ident. number:	
UN no.:	1950
Label:	2.2
Technical name:	AEROSOLS
Tunnelcode:	

Inland water transport ADN:

Class:	2
Packaging group:	
Classification code:	5F
Hazard ident. number:	
UN no.:	1950
Label:	2.1
Technical name:	AEROSOLS

Marine transport IMDG:

Class:	2.1
Packaging group:	
UN no.:	1950
Label:	2.1
EmS:	F-D ,S-U
Seawater pollutant:	-
Proper shipping name:	AEROSOLS

Air transport IATA:

Class:	2.1
Packaging group:	
Packaging instructions (passenger)	203
Packaging instructions (cargo)	203
UN no.:	1950
Label:	2.1
Proper shipping name:	Aerosols, flammable

15. Regulatory information

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

VOC content 97 %
(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:	790 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.
R12 Extremely flammable.
R20/21 Harmful by inhalation and in contact with skin.
R38 Irritating to skin.
R41 Risk of serious damage to eyes.
R43 May cause sensitisation by skin contact.
H220 Extremely flammable gas.
H226 Flammable liquid and vapour.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H332 Harmful if inhaled.

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.