



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

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TEROSTAT 8517 H 100 ML

sds no. : 75819
V005.0

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

TEROSTAT 8517 H 100 ML

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use:
Primer

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

1.4. Emergency telephone number

0800 202 202

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (CLP):

No data available.

Classification (DPD):

F - Highly flammable
R11 Highly flammable.
Xi - Irritant
R36 Irritating to eyes.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

2.2. Label elements

Label elements (CLP):

No data available.

Label elements (DPD):

F - Highly flammable



Xi - Irritant



Risk phrases:

- R11 Highly flammable.
- R36 Irritating to eyes.
- 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.
- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S51 Use only in well-ventilated areas.

2.3. Other hazards

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

The solvent vapors are heavier than air and may collect in high concentrations at floor level.

SECTION 3: Composition/information on ingredients

General chemical description:

Primer, containing solvents

Base substances of preparation:

Solvent mixture

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

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
Butanone 78-93-3	201-159-0	< 50 %	Flammable liquids 2 H225 Specific target organ toxicity - single exposure 3 H336 Serious eye irritation 2 H319
Ethyl acetate 141-78-6	205-500-4	< 5 %	Flammable liquids 2 H225 Specific target organ toxicity - single exposure 3 H336 Serious eye irritation 2 H319
n-Butyl acetate 123-86-4	204-658-1	< 5 %	Flammable liquids 3 H226 Specific target organ toxicity - single exposure 3 H336
Acrylic acid 79-10-7	201-177-9	< 1 %	Acute toxicity 4; Oral H302 Skin corrosion 1A H314 Flammable liquids 3 H226 Acute toxicity 4; Dermal H312 Acute hazards to the aquatic environment 1 H400 Acute toxicity 4; Inhalation H332

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
Butanone 78-93-3	201-159-0	< 50 %	F - Highly flammable; R11 R67 Xi - Irritant; R36 R66
Ethyl acetate 141-78-6	205-500-4	< 5 %	F - Highly flammable; R11 R66 Xi - Irritant; R36 R67
n-Butyl acetate 123-86-4	204-658-1	< 5 %	R10 R66 R67
Acrylic acid 79-10-7	201-177-9	< 1 %	Xn - Harmful; R20/21/22 R10 C - Corrosive; R35 N - Dangerous for the environment; R50

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

4.2. Most important symptoms and effects, both acute and delayed

Irritating to eyes.

Repeated exposure may cause skin dryness or cracking.

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:

All common extinguishing agents are suitable.

Extinguishing media which must not be used for safety reasons:

Water jet (solvent-containing product).

5.2. Special hazards arising from the substance or mixture

In case of fire toxic gases can be released.

5.3. Advice for firefighters

Wear self-contained breathing apparatus.

Wear protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment.

Avoid contact with skin and eyes.

Keep unprotected persons away.

Danger of slipping on spilled product.

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 Chapter 13.

6.4. Reference to other sections

See advice in chapter 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid open flames and sources of ignition.

Take measures to prevent the build-up of electrostatic charges.

Hygiene measures:

Wash hands before work breaks and after finishing work.

Do not eat, drink or smoke while working.

7.2. Conditions for safe storage, including any incompatibilities

Ensure good ventilation/extraction.

Store in a cool, dry place.

Storage at 15 to 25°C is recommended.

Do not store together with food or other consumables (coffee, tea, tobacco, etc.).

7.3. Specific end use(s)

Primer

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

Valid for

South Africa

Ingredient	ppm	mg/m ³	Type	Category	Remarks
BUTAN-2-ONE METHYL ETHYL KETONE (MEK) 78-93-3	200	590	Time Weighted Average (TWA):		ZA REL
BUTAN-2-ONE METHYL ETHYL KETONE (MEK) 78-93-3	300	885	Short Term Exposure Limit (STEL):		ZA REL
ETHYL ACETATE 141-78-6	400	1.400	Time Weighted Average (TWA):		ZA REL
BUTYL ACETATE 123-86-4	150	710	Time Weighted Average (TWA):		ZA REL
BUTYL ACETATE 123-86-4	200	950	Short Term Exposure Limit (STEL):		ZA REL

Predicted No-Effect Concentration (PNEC):

Name on list	Environmental Compartment	Exposure period	Value				Remarks
			mg/l	ppm	mg/kg	others	
Butanone 78-93-3	aqua (freshwater)					55,8 mg/L	
Butanone 78-93-3	aqua (marine water)					55,8 mg/L	
Butanone 78-93-3	aqua (intermittent releases)					55,8 mg/L	
Butanone 78-93-3	STP					709 mg/L	
Butanone 78-93-3	sediment (freshwater)					284,7 mg/kg	
Butanone 78-93-3	sediment (marine water)					284,7 mg/kg	
Butanone 78-93-3	soil					22,5 mg/kg	
Ethyl acetate 141-78-6	STP					650 mg/L	
Ethyl acetate 141-78-6	aqua (freshwater)					0,26 mg/L	
Ethyl acetate 141-78-6	aqua (marine water)					0,026 mg/L	
Ethyl acetate 141-78-6	sediment (freshwater)					0,34 mg/kg	
Ethyl acetate 141-78-6	soil					0,22 mg/kg	
Ethyl acetate 141-78-6	sediment (marine water)					0,034 mg/kg	
Acrylic acid 79-10-7	aqua (freshwater)		0,003 mg/l				
Acrylic acid 79-10-7	aqua (marine water)		0,0003 mg/l				
Acrylic acid 79-10-7	aqua (intermittent releases)		0,0013 mg/l				
Acrylic acid 79-10-7	STP		0,9 mg/l				
Acrylic acid 79-10-7	sediment (freshwater)					0,0236 mg/kg	
Acrylic acid 79-10-7	sediment (marine water)					0,00236 mg/kg	
Acrylic acid 79-10-7	soil					1 mg/kg	
Acrylic acid 79-10-7	oral					0,0023 mg/kg	

Derived No-Effect Level (DNEL):

Name on list	Application Area	Route of Exposure	Health Effect	Exposure Time	Value	Remarks
Butanone 78-93-3	worker	dermal	Long term exposure - systemic effects		1161 mg/kg bw/day	
Butanone 78-93-3	worker	inhalation	Long term exposure - systemic effects		600 mg/m ³	
Butanone 78-93-3	general population	dermal	Long term exposure - systemic effects		412 mg/kg bw/day	
Butanone 78-93-3	general population	inhalation	Long term exposure - systemic effects		106 mg/m ³	
Butanone 78-93-3	general population	oral	Long term exposure - systemic effects		31 mg/kg bw/day	
Ethyl acetate 141-78-6	worker	inhalation	Acute/short term exposure - systemic effects		1468 mg/m ³	
Ethyl acetate 141-78-6	worker	inhalation	Acute/short term exposure - local effects		1468 mg/m ³	
Ethyl acetate 141-78-6	worker	dermal	Long term exposure - systemic effects		63 mg/kg bw/day	
Ethyl acetate 141-78-6	worker	inhalation	Long term exposure - systemic effects		734 mg/m ³	
Ethyl acetate 141-78-6	worker	inhalation	Long term exposure - local effects		734 mg/m ³	
Ethyl acetate 141-78-6	general population	inhalation	Acute/short term exposure - systemic effects		734 mg/m ³	
Ethyl acetate 141-78-6	general population	inhalation	Acute/short term exposure - local effects		734 mg/m ³	
Ethyl acetate 141-78-6	general population	dermal	Long term exposure - systemic effects		37 mg/kg bw/day	
Ethyl acetate 141-78-6	general population	inhalation	Long term exposure - systemic effects		367 mg/m ³	
Ethyl acetate 141-78-6	general population	inhalation	Long term exposure - local effects		367 mg/m ³	
Ethyl acetate 141-78-6	general population	oral	Long term exposure - systemic effects		4,5 mg/kg bw/day	
Acrylic acid 79-10-7	worker	inhalation	Long term exposure - local effects		30 mg/m ³	
Acrylic acid 79-10-7	worker	inhalation	Acute/short term exposure - local effects		30 mg/m ³	
Acrylic acid 79-10-7	worker	dermal	Acute/short term exposure - local effects		1 mg/cm ²	

8.2. Exposure controls:

Engineering controls:

Use only in well ventilated areas.

Respiratory protection:

Suitable breathing mask when there is inadequate ventilation.

Combination filter: ABEKP

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): Polychloroprene (CR; >= 1 mm thickness) or natural rubber (NR; >=1 mm thickness) Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374): Polychloroprene (CR; >= 1 mm thickness) or natural rubber (NR; >=1 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:

Goggles which can be tightly sealed.

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.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Appearance	liquid liquid black
Odor	of methyl ethyl ketone
pH	No data available / Not applicable
Initial boiling point	75 °C (167 °F)
Flash point	-4 °C (24.8 °F); no method
Decomposition temperature	No data available / Not applicable
Vapour pressure	25 kPa
Density (20 °C (68 °F))	0,98 g/cm ³
Bulk density	No data available / Not applicable
Viscosity (; 20 °C (68 °F))	9 - 19 mPa.s
Viscosity (kinematic)	No data available / Not applicable
Explosive properties	No data available / Not applicable
Solubility (qualitative) (20 °C (68 °F); Solvent: Water)	Not miscible
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	1,8 % (V)
upper	11,5 % (V)
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

Flow cup viscosity (23 °C (73.4 °F); ; Nozzle: 25 mm)	13 s
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SECTION 10: Stability and reactivity**10.1. Reactivity**

Strong oxidizing agents.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

See section reactivity

10.4. Conditions to avoid

Heat, flames, sparks and other sources of ignition.

10.5. Incompatible materials

None if used properly.

10.6. Hazardous decomposition products

At higher temperatures acetic acid may be released.

SECTION 11: Toxicological information

11.1. Information on toxicological effects**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:

Vapors may cause drowsiness and dizziness.

Skin irritation:

Prolonged or repeated skin contact can lead to skin degreasing and hence to skin irritation.

Eye irritation:

Primary eye irritation: irritating

Acute toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Butanone 78-93-3	LD50 LC50 LD50	2.600 - 5.400 mg/kg > 5000 ppm 6.400 - 8.000 mg/kg	oral inhalation dermal	6 h	rat rat rabbit	
Ethyl acetate 141-78-6	LD50 LC50 LD50	6.100 mg/kg 200 mg/l > 18.000 mg/kg	oral inhalation dermal	1 h	rat rat rabbit	
n-Butyl acetate 123-86-4	LD50 LC50	> 8.800 mg/kg > 23,4 mg/l	oral inhalation	4 h	rat rat	OECD Guideline 403 (Acute Inhalation Toxicity)

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Butanone 78-93-3	moderately irritating		rabbit	
Ethyl acetate 141-78-6	not irritating	24 h	rabbit	
n-Butyl acetate 123-86-4	not irritating		rabbit	

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Butanone 78-93-3	irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Ethyl acetate 141-78-6	slightly irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
n-Butyl acetate 123-86-4	not irritating		rabbit	

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
Butanone 78-93-3	not sensitising	Guinea pig maximisation test	guinea pig	
Ethyl acetate 141-78-6	not sensitising	Guinea pig maximisation test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
n-Butyl acetate 123-86-4	not sensitising	Guinea pig maximisation test	guinea pig	

Germ cell mutagenicity:

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Butanone 78-93-3	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Ethyl acetate 141-78-6	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		
n-Butyl acetate 123-86-4	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		
Acrylic acid 79-10-7	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
Butanone 78-93-3	NOAEL=2500 ppm	inhalation	90 days 6 hours/day, 5 days/week	rat	
Ethyl acetate 141-78-6	NOAEL=900 mg/kg	oral: gavage	90 d daily	rat	
Ethyl acetate 141-78-6	NOAEL=0,002 mg/l	inhalation	90 d continuous	rat	

SECTION 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.

12.1. Toxicity

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Butanone 78-93-3	LC50	3.220 mg/l	Fish	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
Butanone 78-93-3	EC50	5.091 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Butanone 78-93-3	EC50	> 1.000 mg/l	Algae			OECD Guideline 201 (Alga, Growth Inhibition Test)
Ethyl acetate 141-78-6	LC50	270 mg/l	Fish	48 h	Leuciscus idus melanotus	
Ethyl acetate 141-78-6	EC50	164 mg/l	Daphnia	48 h	Daphnia cucullata	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Ethyl acetate 141-78-6	EC50	> 2.000 mg/l	Algae	96 h	Selenastrum capricornutum (new name: Pseudokirchnerella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
n-Butyl acetate 123-86-4	LC50	62 mg/l	Fish	96 h	Leuciscus idus	
n-Butyl acetate 123-86-4	EC50	72,8 mg/l	Daphnia	24 h	Daphnia magna	
n-Butyl acetate 123-86-4	EC50	674,7 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Acrylic acid 79-10-7	LC50	27 mg/l	Fish	96 h	Salmo gairdneri (new name: Oncorhynchus mykiss)	OECD Guideline 203 (Fish, Acute Toxicity Test)
Acrylic acid 79-10-7	EC50	47 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Acrylic acid 79-10-7	EC50	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
Butanone 78-93-3	readily biodegradable	aerobic	> 60 %	
Ethyl acetate 141-78-6	readily biodegradable	aerobic	100 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
n-Butyl acetate 123-86-4	readily biodegradable	aerobic	98 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
Acrylic acid 79-10-7	readily biodegradable	aerobic	81 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)

12.3. Bioaccumulative potential / 12.4. Mobility in soil

Hazardous components CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
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Butanone 78-93-3	0,29					
Ethyl acetate 141-78-6	0,6					OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)
n-Butyl acetate 123-86-4	1,81				23 °C	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)
Acrylic acid 79-10-7	0,46				25 °C	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)

SECTION 13: Disposal considerations

13.1. 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.

SECTION 14: Transport information

Road transport ADR:

Class: 3
Packaging group: II
Classification code: F1
Hazard ident. number: 33
UN no.: 1139
Label: 3
Technical name: COATING SOLUTION
Tunnelcode: (D/E)
Additional information: Special provision 640D

Railroad transport RID:

Class: 3
Packaging group: II
Classification code: F1
Hazard ident. number: 33
UN no.: 1139
Label: 3
Technical name: COATING SOLUTION
Tunnelcode:
Additional information: Special provision 640D

Inland water transport ADN:

Class: 3
Packaging group: II
Classification code: F1
Hazard ident. number: 33
UN no.: 1139
Label: 3
Technical name: COATING SOLUTION
Additional information: Special provision 640D

Marine transport IMDG:

Class: 3
Packaging group: II
UN no.: 1139
Label: 3

EmS: F-E ,S-E
Seawater pollutant: -
Proper shipping name: COATING SOLUTION

Air transport IATA:

Class: 3
Packaging group: II
Packaging instructions (passenger) 353
Packaging instructions (cargo) 364
UN no.: 1139
Label: 3
Proper shipping name: Coating solution

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

VOC content 53 %
(VOCV 814.018 VOC regulation
CH)

VOC Paints and Varnishes (EU):

Product (sub)category: This product is not a subject of the Directive 2004/42/EC

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:

R10 Flammable.
R11 Highly flammable.
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R35 Causes severe burns.
R36 Irritating to eyes.
R50 Very toxic to aquatic organisms.
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.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H336 May cause drowsiness or dizziness.
H400 Very toxic to aquatic life.

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.