



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

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TEROSON VR 610

SDS No. : 75977
V003.0

Revision: 22.08.2017
printing date: 03.04.2021

Replaces version from: 26.02.2015

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

1.1. Product identifier

TEROSON VR 610

Contains:

Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene

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

Intended use:

Others

1.3. Details of the supplier of the safety data sheet

Henkel AG & Co. KGaA

Henkelstr. 67

40589 Düsseldorf

Germany

Phone: +49 211 797 0

Fax-no.: +49 211 798 2009

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.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (CLP):

Aspiration hazard

Category 1

H304 May be fatal if swallowed and enters airways.

|| Skin irritation

Category 2

|| H315 Causes skin irritation.

|| Specific target organ toxicity - single exposure

Category 3

|| H336 May cause drowsiness or dizziness.

|| Target organ: Central Nervous System

2.2. Label elements

Label elements (CLP):

Hazard pictogram:**Signal word:**

Danger

Hazard statement:

H304 May be fatal if swallowed and enters airways.
 H315 Causes skin irritation.
 H336 May cause drowsiness or dizziness.

Supplemental information

Contains Sulfonic acids, petroleum, calcium salts. May produce an allergic reaction.

**Precautionary statement:
Prevention**

P261 Avoid breathing vapours.
 P280 Wear protective gloves.

**Precautionary statement:
Response**

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
 P331 Do NOT induce vomiting.

2.3. Other hazards

Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Base substances of preparation:**

Oils
 Aliphatic/Aromatic hydrocarbons

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

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
Distillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8	265-149-8 01-2119453414-43 01-2119456377-30 01-2119456620-43	40- 60 %	Asp. Tox. 1 H304 STOT SE 3 H336 Skin Irrit. 2 H315
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts 68584-23-6	271-529-4	0,1- < 1 %	Skin Sens. 1B H317
Sulfonic acids, petroleum, calcium salts 61789-86-4	263-093-9 01-2119488992-18	0,1- < 1 %	Skin Sens. 1 H317 Aquatic Chronic 4 H413
(C16-C24)Alkylbenzenesulfonic acid, Ca 70024-69-0	274-263-7 01-2119492616-28	0,1- < 1 %	Skin Sens. 1B H317

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.

SECTION 4: First aid measures**4.1. Description of first aid measures**

Inhalation:

Move to fresh air, consult doctor if complaint persists.

Skin contact:

IF ON SKIN: Wash with plenty of soap and water.
In case of adverse health effects 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.

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

INGESTION: Nausea, vomiting, diarrhea, abdominal pain.

Repeated exposure may cause skin dryness or cracking.

SKIN: Redness, inflammation.

An allergic reaction cannot be excluded after repeated skin contact.

4.3. Indication of any immediate medical attention and special treatment needed

Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause bronchopneumonia or pulmonary oedema.

Do not induce vomiting.

Seek medical attention from a specialist.

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 Section 13.

6.4. Reference to other sections

See advice in section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Hygiene measures:

- Do not eat, drink or smoke while working.
- Wash hands before work breaks and after finishing work.
- Take off contaminated clothing and wash before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Ensure good ventilation/extraction.
Store in a cool place.
Temperatures between + 10 °C and + 25 °C

7.3. Specific end use(s)

Others

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

Valid for
Germany

Ingredient [Regulated substance]	ppm	mg/m ³	Value type	Short term exposure limit category / Remarks	Regulatory list
Sulfonic acids, petroleum, calcium salts 61789-86-4		5	Exposure limit(s):	4	TRGS 900
Sulfonic acids, petroleum, calcium salts 61789-86-4			Short Term Exposure Classification:	Category II: substances with a resorptive effect.	TRGS 900

Biological Exposure Indices:

None

8.2. Exposure controls:

Engineering controls:

Use only in well ventilated areas.

Respiratory protection:

Suitable breathing mask when there is inadequate ventilation.
Filter A1-A3 (brown)

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:

Goggles which can be tightly sealed.
Protective eye equipment should conform to EN166.

Skin protection:

Wear protective equipment.
Suitable protective clothing
Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

Advices to personal protection equipment:

Use only personal protection that's CE-labelled according to Directive 89/686/EEC (Europe) or to Regulation No. 819 of 19 August 1994 (Norway).

The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions. Personal protective equipment should conform to the relevant EN standard.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	liquid liquid grey, black
Odor	characteristic
Odour threshold	No data available / Not applicable
pH	No data available / Not applicable
Melting point	No data available / Not applicable
Solidification temperature	No data available / Not applicable
Initial boiling point	No data available / Not applicable
Flash point	75 °C (167 °F)
Evaporation rate	No data available / Not applicable
Flammability	No data available / Not applicable
Explosive limits	No data available / Not applicable
Vapour pressure	No data available / Not applicable
Relative vapour density:	No data available / Not applicable
Density (20 °C (68 °F))	0,819 g/cm ³
Bulk density	No data available / Not applicable
Solubility	No data available / Not applicable
Solubility (qualitative) (20 °C (68 °F); Solvent: Water)	Not miscible
Solubility (qualitative) (20 °C (68 °F); Solvent: aromatic solvents)	Miscible
Partition coefficient: n-octanol/water	No data available / Not applicable
Auto-ignition temperature	No data available / Not applicable
Decomposition temperature	No data available / Not applicable
Viscosity (Brookfield; 20 °C (68 °F))	4 mPa.s
Viscosity (kinematic) (40 °C (104 °F);)	4,9 mm ² /s
Explosive properties	No data available / Not applicable
Oxidising properties	No data available / Not applicable

9.2. Other information

Flow cup viscosity (20,0 °C (68 °F); Type of cup: DIN-Cup; Nozzle: 3,0 mm DIN EN ISO 2431; QP2017.1, QP1580.0; Running out time with flow cups)	21,0 s
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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

No decomposition if used according to specifications.

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 (EC) No 1272/2008. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

STOT-single exposure:

May cause drowsiness or dizziness.

Aspiration hazard:

May be fatal if swallowed and enters airways.

Skin irritation:

Causes skin irritation.

Sensitizing:

An allergic reaction cannot be excluded after repeated skin contact.

Acute oral toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8	LD50	> 5.000 mg/kg	oral		rat	OECD Guideline 401 (Acute Oral Toxicity)
Sulfonic acids, petroleum, calcium salts 61789-86-4	LD50	> 16.000 mg/kg	oral		rat	not specified
(C16-C24)Alkylbenzenesulfonic acid, Ca 70024-69-0	LD50	> 5.000 mg/kg	oral		rat	OECD Guideline 401 (Acute Oral Toxicity)

Acute inhalative toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8	LC50	> 5,3 mg/l	dust/mist	4 h	rat	not specified

Acute dermal toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8	LD50	> 5.000 mg/kg	dermal		rabbit	OECD Guideline 402 (Acute Dermal Toxicity)
Sulfonic acids, petroleum, calcium salts 61789-86-4	LD50	> 4.000 mg/kg	dermal		rabbit	other guideline:
(C16-C24)Alkylbenzenesulfonic acid, Ca 70024-69-0	LD50	> 5.000 mg/kg	dermal		rabbit	OECD Guideline 402 (Acute Dermal Toxicity)

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8	irritating		rabbit	EPA Guideline
Sulfonic acids, petroleum, calcium salts 61789-86-4	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
Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8	slightly irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Sulfonic acids, petroleum, calcium salts 61789-86-4	not irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8	not sensitising			OECD Guideline 406 (Skin Sensitisation)
Sulfonic acids, petroleum, calcium salts 61789-86-4	sensitising	Buehler 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
Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8	negative	bacterial reverse mutation assay (e.g Ames test)			OECD Guideline 471 (Bacterial Reverse Mutation Assay)
	negative	in vitro mammalian chromosome aberration test			OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
	negative	mammalian cell gene mutation assay			OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
	negative	sister chromatid exchange assay in mammalian cells			OECD Guideline 479 (Genetic Toxicology: In Vitro Sister Chromatid Exchange Assay in Mammalian Cells)
Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8	negative				OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
	negative				OECD Guideline 478 (Genetic Toxicology: Rodent Dominant Lethal Test)
Sulfonic acids, petroleum, calcium salts 61789-86-4	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)

Carcinogenicity:

Hazardous components CAS-No.	Result	Species	Sex	Exposure timeFrequency of treatment	Route of application	Method
Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8	not carcinogenic					OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)

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 (EC) No 1272/2008. 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
Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8	LL0	1.000 mg/l	Fish	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
	LL50	> 250 mg/l	Fish	96 h	Danio rerio	OECD Guideline 203 (Fish, Acute Toxicity Test)
Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8	ELO	1.000 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
	EC50	> 1.000 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8 Benzenesulfonic acid, C10-16- alkyl derivs., calcium salts 68584-23-6	ELO	1.000 mg/l	Algae	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
	EC50	> 1.000 mg/l	Algae	96 h	Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata)	EPA OTS 797.1050 (Algal Toxicity, Tiers I and II)

12.2. Persistence and degradability

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
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Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8	readily biodegradable	not specified	69 %	OECD 301 A - F
Benzenesulfonic acid, C10-16- alkyl derivs., calcium salts 68584-23-6		aerobic	8 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
Sulfonic acids, petroleum, calcium salts 61789-86-4		aerobic	8,6 %	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)
(C16- C24)Alkylbenzenesulfonic acid, Ca 70024-69-0		aerobic	8 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)

12.3. Bioaccumulative potential / 12.4. Mobility in soil

Hazardous components CAS-No.	LogPow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
Sulfonic acids, petroleum, calcium salts 61789-86-4	23,21					QSAR (Quantitative Structure Activity Relationship)
(C16- C24)Alkylbenzenesulfonic acid, Ca 70024-69-0	10,88				25 °C	OECD Guideline 117 (Partition Coefficient (n- octanol / water), HPLC Method)

12.5. Results of PBT and vPvB assessment

Hazardous components CAS-No.	PBT/vPvB
Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts 68584-23-6	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
Sulfonic acids, petroleum, calcium salts 61789-86-4	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
(C16-C24)Alkylbenzenesulfonic acid, Ca 70024-69-0	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

12.6. Other adverse effects

No data available.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Product disposal:

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

Waste code

The valid EWC waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users. We will be happy to advise you.

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SECTION 14: Transport information

- 14.1. UN number**
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.2. UN proper shipping name**
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.3. Transport hazard class(es)**
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.4. Packing group**
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.5. Environmental hazards**
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.6. Special precautions for user**
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.7. Transport in bulk according to Annex II of Marpol 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 53,4 %
(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

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

National regulations/information (Germany):

WGK: 1, slightly water-endangering product. (German VwVwS of July 27, 2005)
Classification in conformity with the calculation method
WGK: WGK = 1, slightly water endangering mixture. Classification according to the
mixture rules in German AwSV regulation annex 1, number 5.2 from 18. April
2017.

Storage class according to TRGS 510: 10

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:

- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H336 May cause drowsiness or dizziness.
- H413 May cause long lasting harmful effects 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.

Relevant changes in this safety data sheet are indicated by vertical lines at the left margin in the body of this document. Corresponding text is displayed in a different color on shadowed fields.