



SAFETY DATA SHEET ACCORDING TO (EC) NO 1907/2006

SISTA p897 pu-reiniger / terotech pu-cleaner

sds no. : 41980

V001.9

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Contact Details:

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

Product identifier:

Sista P897 PU-Reiniger / Terotech PU-Cleaner

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

Intended use:
Cleaner

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 4008

ua-productsafety.de@henkel.com

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

2. Hazards identification

Classification of the substance or mixture:

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.

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.
- S23 Do not breathe spray.
- 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.
- S46 If swallowed, seek medical advice immediately and show this container or label.

Additional labeling:

Container under pressure. Protect against direct sunshine and temperatures above 50°C. Do not forcibly open after use or burn the container. Do not spray into flames or onto glowing objects. Keep away from ignition sources. Do not smoke. Keep out of the reach of children.

Other hazards:

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

3. Composition/information on ingredients

General chemical description:

Cleaner

Base substances of preparation:

containing solvents
Propellant gas
Carbon dioxide

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

Hazardous components CAS-No.	EINECS REACH-Reg No.	content	Classification
Acetone 67-64-1	200-662-2	> 58 %	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	> 9 %	Flammable liquids 3 H226 Specific target organ toxicity - single exposure 3 H336
Isobutane 75-28-5	200-857-2	> 19 %	Flammable gases 1 H220 Gases under pressure
Propane 74-98-6	200-827-9	> 12 %	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.	EINECS REACH-Reg No.	content	Classification
Acetone 67-64-1	200-662-2	> 58 %	R66 Xi - Irritant; R36 F - Highly flammable; R11 R67
n-Butyl acetate 123-86-4	204-658-1	> 9 %	R10 R66 R67
Isobutane 75-28-5	200-857-2	> 19 %	F+ - Extremely flammable; R12
Propane 74-98-6	200-827-9	> 12 %	F+ - Extremely flammable; R12

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:

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.

Most important symptoms and effects, both acute and delayed:

Vapors may cause drowsiness and dizziness.

Repeated exposure may cause skin dryness or cracking.

Irritating to eyes.

Indication of any immediate medical attention and special treatment needed:

See section: Description of first aid measures

5. Firefighting measures

Extinguishing media:**Suitable extinguishing media:**

Sand.

carbon dioxide, foam, powder, water spray jet, fine water spray

Extinguishing media which must not be used for safety reasons:

High pressure waterjet

Special hazards arising from the substance or mixture:

Can form explosive gas/air mixtures.

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

Advice for firefighters:

Wear self-contained breathing apparatus.

Wear protective equipment.

Additional information:

In case of fire, keep containers cool with water spray.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation.

Keep away from sources of ignition.

Wear protective equipment.

Avoid contact with skin and eyes.

See advice in chapter 8

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:

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.

Avoid skin and eye contact.

Transport by automobile: leave the container wrapped in a cloth in the trunk, never in the passenger area.

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.

Hygiene measures:

- Avoid skin and eye contact.
- Do not breathe solvent vapors.
- Do not eat, drink or smoke while working.
- When using the product avoid alcohol consumption.
- Wash hands before work breaks and after finishing work.

Conditions for safe storage, including any incompatibilities:

- Ensure that storage and workrooms are adequately ventilated.
- Protect from direct sunlight and temperatures above 50°C. The storage regulations for aerosols apply.
- Do not store together with food or other consumables (coffee, tea, tobacco, etc.).

Specific end use(s):

Cleaner

8. Exposure controls/personal protection

Control parameters:

- Valid for
Germany
- Basis
Germany - Occupational Exposure Limits

Ingredient	ppm	mg/m3	Type	Category	Remarks
Acetone 67-64-1			Short Term Exposure Classification:	Category I: substances for which the localized effect has an assigned OEL or for substances with a sensitizing effect in respiratory passages.	TRGS 900
Acetone 67-64-1	500	1.200	AGW:	2	TRGS 900
ACETONE 67-64-1	500	1.210	Time Weighted Average (TWA):	Indicative	ECTLV
Isobutane 75-28-5			Short Term Exposure Classification:	Category II: substances with a resorptive effect.	TRGS 900
Isobutane 75-28-5	1.000	2.400	AGW:	4	TRGS 900
Propane 74-98-6	1.000	1.800	AGW:	4	TRGS 900
Propane 74-98-6			Short Term Exposure Classification:	Category II: substances with a resorptive effect.	TRGS 900

Exposure controls:

Respiratory protection:

- When processing large amounts.
- Suitable breathing mask when there is inadequate ventilation.
- Filter : AX

Hand protection:

Recommended are gloves made from Nitril rubber (Material thickness >0,1 mm).Gloves should be replaced after each short time contact or contamination. Available at Laboratory specialized trade an pharmacy/chemist shop`s.

Eye protection:

- Goggles which can be tightly sealed.

Skin protection:

- Suitable protective clothing

9. Physical and chemical properties

Information on basic physical and chemical properties:

Appearance	aerosol low viscosity, Sprayable colourless
Odor	characteristic, of keton
pH	No data available.
Initial boiling point	No data available.
Flash point	No data available.
Decomposition temperature	No data available.
Vapour pressure (20 °C (68 °F))	>= 3000 mbarinner wall pressure of the can
Vapour pressure (50 °C (122 °F))	<= 8000 mbarinner wall pressure of the can
Density (20 °C (68 °F))	0,79 g/cm3
Bulk density	No data available.
Viscosity	No data available.
Viscosity (kinematic)	No data available.
Explosive properties	No data available.
Solubility (qualitative) (20 °C (68 °F); Solvent: Water)	Soluble
Solidification temperature	No data available.
Melting point	No data available.
Flammability	No data available.
Auto-ignition temperature	No data available.
Explosive limits	
lower	2,5 %(V)
upper	14,3 %(V)
Partition coefficient: n-octanol/water	No data available.
Evaporation rate	No data available.
Vapor density	No data available.
Oxidising properties	No data available.

Other information:

No data available.

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

Incompatible materials:

None if used properly.

Hazardous decomposition products:

None known

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:

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:

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
Acetone 67-64-1	LD50 LC50 LD50	5.800 mg/kg 76 mg/l > 15.688 mg/kg	oral inhalation dermal	4 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
n-Butyl acetate 123-86-4	not irritating		rabbit	

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Acetone 67-64-1	not 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
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
Acetone 67-64-1	negative	bacterial forward mutation assay	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
n-Butyl acetate 123-86-4	negative	bacterial forward mutation assay	with and without		

Repeated dose toxicity

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
Acetone 67-64-1	NOAEL=2500 ppm	oral: drinking water	13 weeks	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
Acetone 67-64-1	LC50	8.120 mg/l	Fish	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test) OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Acetone 67-64-1	EC50	6.098,4 mg/l	Daphnia	48 h	Daphnia magna	
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)	

Persistence and degradability:

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Acetone 67-64-1	readily biodegradable	aerobic	81 - 92 %	EU Method C.4-E (Determination of the "Ready" Biodegradability Closed Bottle Test)
n-Butyl acetate 123-86-4	readily biodegradable	aerobic	98 %	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
Acetone 67-64-1	0,24					
n-Butyl acetate 123-86-4	1,81				23 °C	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)
Isobutane 75-28-5	2,88				20 °C	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)

13. Disposal considerations

Waste treatment methods:

Product disposal:

Dispose of waste and residues in accordance with local authority requirements.
In consultation with the responsible local authority, must be subjected to special treatment.

Disposal of uncleaned packages:

Use packages for recycling only when totally empty.

Waste code

08 04 09 waste adhesives and sealants containing organic solvents and other dangerous substances

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:	23
UN no.:	1950
Label:	2.1
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	92,0 %
(VOCV 814.018 VOC regulation	
CH)	

List of ingredients according to Detergents regulation.

Acetone
Isobutane
Propane
n-Butyl acetate

National regulations/information (Germany):

WGK:	1, slightly water-endangering product. (German VwVwS of May 17, 1999) Classification in conformity with the calculation method
BG regulations, rules, infos:	BG data sheet: BGI 621 Solvents BG regulation: BGV B 1 Handling hazardous substances
Storage class VCI:	2B

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.
R12 Extremely flammable.
R36 Irritating to eyes.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

H220Extremely flammable gas.
H225Highly flammable liquid and vapour.
H226Flammable liquid and vapour.
H319Causes serious eye irritation.
H336May cause drowsiness or dizziness.

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.