

Safety Data Sheet

according to Regulation (EC) No. 1907/2006, Annex II

Permanon PSi +14 Silverline Ready to Use

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Product code: 5002

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

Product identifier

Permanon PSi +14 Silver Line Ready to use

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

Details of the supplier of the safety data sheet

Company name:	Permanon GmbH	
Street:	Winterstetten 53	
Place:	D-88299 Leutkirch	
Telephone:	+49(0)7567/1563	Telefax: +49(0)7567/1031
e-mail:	info@permanon.de	
Contact person:	S. Krücken	Telephone: +49(0)7567/1563

Emergency telephone: +49 (0)700/24 11 21 12 (PER)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

This mixture is not classified as dangerous in the terms of the Regulation (EC) No. 1272/2008(CLP)

2.2 Label elements

Labeling according to Regulation(EC) 1272/2008(CLP)

Not applicable

2.3 Other hazards

The mixture does not contain any vPvB substances (vPvB= very persistent, very bioaccumulative) or is not included under

XIII of the regulation (EC)1907/2006.

The mixture does not contain any PBT= persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC)1907/2006.

Regulation (EC) No 648/2004

Less than 5% amphoteric surfactants

SECTION 3: Composition/information on ingredients

3.1 Substance

n.a

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3.2 Mixture

Registration Number (REACH)	--
Einecs	-
CAS No.	-
Index No.	-
Contents	-
Classification according to Regulation(EC) 1272/2008(CLP)	---

SECTION 4: First aid measures

Description of first aid measures

General information

Remove from exposure, lie down.

After inhalation

Move to fresh air. If symptoms persist, call a physician.

After contact with skin

Wash off with: Water.

After contact with eyes

Immediately flush eye(s) with plenty of water.

After ingestion

Rinse mouth.

If swallowed, do not induce vomiting - seek medical advice.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

water spray, carbon dioxide (CO₂), alcohol-resistant foam , dry chemical

The product itself does not burn.

Special hazards arising from the substance or mixture

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Heating or fire can release toxic gas. nitrogen oxides (NOx) Carbon oxides

Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.
Avoid contact with skin, eyes and

Environmental precautions

Do not flush into surface water.

Methods and material for containment and cleaning up

Clean-up methods - small spillage Dilute with plenty of water.
After cleaning, flush away traces with water.
Clean-up methods - large spillage Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Treat recovered material as described in the section "Disposal considerations".

SECTION 7: Handling and storage

Precautions for safe handling

Advice on safe handling

Avoid contact with skin and eyes.
Keep container tightly closed.

Advice on protection against fire and explosion

The product itself does not burn.

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store in original container.

Advice on storage compatibility

Keep away from food and drink.

Further information on storage conditions

Protect from frost, heat and sunlight.

SECTION 8: Exposure controls/personal protection

Control parameters

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Exposure controls

Protective and hygiene measures

Avoid contact with the skin and the eyes.

Wash hands before breaks and at the end of workday.

Respiratory protection

Breathing apparatus needed only when aerosol or mist is formed.

Hand protection

As the product is a preparation of several substances, the durability of the glove materials cannot be calculated in advance and has to be tested before use. The data about break through time/strength of material are standard values! The exact break through time/strength of material has to be obtained from the producer of the protective glove.

Polyvinylchlorid - PVC (0,5 mm)

Eye protection

If splashes are likely to occur, wear:

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	liquid
Colour:	light milky
Odour:	pleasant

Test method

pH-Value (at 20°C): 1%	7,0
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Changes in the physical state

Melting point:	not determined
Boiling point:	not determined
Flash point:	not applicable

Explosive properties

Not explosive

Ignition temperature:	not applicable
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Oxidizing properties

Not applicable.

Density (at 20 °C):	1,0g/cm ³ kg/m ³
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SECTION 10: Stability and reactivity

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Reactivity

Not to be expected.

Chemical stability

No decomposition if used as directed.

Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

SECTION 11: Toxicological information

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Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity oral:						n.d.a
Acute toxicity by dermal:						n.d.a
Acute toxicity by inhalation						n.d.a
Skin corrosion/irritation						n.d.a.
Serious eye Damage/irritation:						n.d.a.
Respiration or skin sensitation						n.d.a.
Gem cell mutagenicity						n.d.a
Carcinogenity						n.d.a.
Reproductive toxicity:						n.d.a.
Specific target organ toxicity- Single exposure (STOT-SE):						n.d.a.
Specific target organ toxicity- repeated exposure (STOT- SE):						
Aspiration hazard						n.d.a
Symtoms:						n.d.a
Toxizität bei wiederholter Verabreichung						n.d.a
Symptome:						n.d.a

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SECTION 12: Ecological information

Possibly more information on environmental effects, see Section 2.1 (classification).

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Toxity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:							n.d.a.
Toxicity to daphnia:							n.d.a.
Toxicity to algae:							n.d.a.
Persistence and degradability:							The surfactant(s) contained in this mixture complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
Bioaccumulative Potential:							n.d.a.
Mobility in soil:							n.d.a.

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Results of PBT and vPvB assessment							n.d.a.
Other adverse effects:							n.d.a.

SECTION 13: Disposal considerations

Waste treatment methods

For the substance / mixture/ residual amounts

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product.

Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2014/955/EU)

07 06 99 wastes not otherwise specified

20 01 30 detergents other than those mentioned in 20 01 29

Recommendation:

Sewage disposal shall be discouraged.

Pay attention to local and national official regulations.

E.g. suitable incineration plant.

E.g. dispose at suitable refuse site.

For contaminated packing material

Pay attention to local and national official regulations.

Empty container completely.

Uncontaminated packaging can be recycled.

Dispose of packaging that cannot be cleaned in the same manner as the substance.

Recommended cleaner:

Water

SECTION 14: Transport information

Land transport (ADR/RID)

Other applicable information (land transport)

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Not classified as dangerous in the meaning of transport regulations.

Marine transport

Other applicable information (marine transport)

Not classified as dangerous in the meaning of transport regulations.

Air transport

Other applicable information (air transport)

Not classified as dangerous in the meaning of transport regulations.

Special precautions for user

Unless specified otherwise, general measures for safe transport must be followed.

Transport in bulk according to Annex II of Marpol and the IBC Code

Non- dangerous material according to Transport Regulations.

SECTION 15: Regulatory information

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

For classification and labelling see Section 2.

Observe restrictions:

General hygiene measures for the handling of chemicals are applicable.

No.

Chemical safety assessments

A chemical safety assessment is not provided for mixtures.

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

SECTION 16: Other information

Classification and processes used to derive the classification of the mixture in accordance with the Ordinance (EG) 1272/2008(CLP)

Not applicable

Further Information

AC Article Categories (=Erzeugniskategorien)

ACGIH Rat für Arbeitsschutz und Gefahrstoffe, Amerika (American Conference of

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Government Industrial Hygienists)

ADR	Europäisches Übereinkommen über die internationale Beförderung gefährlicher Güter auf der Straße (Accord européen relatif transport des marchandises dangereuses par route)
AGW	Arbeitsplatzgrenzwert Spb.Üf. = Spitzenbegrenzung – Überschreitungsfaktor (1 bis 8) und Kategorie (I, II) für Kurzzeitwerte (TRGS 900, Deutschland)
Alkoholbest.	Alkoholbeständig
Allg.Allgemein	
Anm.Anmerkung	
AOEL	Acceptable Operator Exposure Level
Art., Art.-Nr.	Adsorbierbare organisch gebundene Halogene (Adsorbable Organic halogen compounds)
Artikelnummer	
r AOX	
ATE	Acute Toxicity Estimate (=Schätzwert Akuter Toxizität) gemäß der Verordnung (EG) Nr. 1272/2008 (CLP)
BAM	Bundesanstalt für Materialforschung und -prüfung
BAT	Biologische Arbeitsstofftoleranzwerte (Schweiz)
BAuA	Bundesanstalt für Arbeitsschutz und Arbeitsmedizin
BCF	Biokonzentrationsfaktor (Bio-Concentration Factor)
Bem.	Bemerkung
BGBerufsgenossenschaft	
BGVBerufsgenossenschaftliche Vorschrift	
BGW	Biologischer Grenzwert (TRGS 903, Deutschland)
BGW /VLB=	Biologischer grenswaarde / Valeur limite biologique (Belgien)
BGW, VGÜ	BGW=Biologischer Grenzwert. VGÜ=Verordnung des Bundesministers für Arbeit und Soziales über die Gesundheitsüberwachung am Arbeitsplatz (Österreich)
BHT	Butylhydroxytoluol (=2,6-Di-t-butyl-4-methyl-phenol)
BOD	Biochemical oxygen demand (=biochemischer Sauerstoffbedarf – BSB)
BSEF	Bromine Science and Environmental Forum
bw	body weight (=Körpergewicht)
bzw.	Beziehungsweise
ca.	zirka / circa
CAS	Chemical Abstracts Service

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CESIO	Comité Européen des Agents de Surface et de leurs Intermédiaire Organiques (=Europäischer Verband für oberflächenaktive Substanzen und deren organische Zwischenprodukte)
ChemRRV	Chemikalien-Risikoreduktions-Verordnung (Schweiz)
CIPAC	Collaborative International Pesticides Analytical Council
CLP	Classification, Labelling and Packaging (VERORDNUNG (EG) Nr. 1272/2008 über die Einstufung, Kennzeichnung und Verpackung von Stoffen und Gemischen)
CMR	carcinogen, mutagen, reproduktionstoxisch (krebserzeugend, erbgutverändernd, fortpflanzungsgefährdend)
COD	Chemical oxygen demand (=chemischer Sauerstoffbedarf - CSB)
CTFA	Cosmetic, Toiletry, and Fragrance Association
DIN	Deutsches Institut für Normung
DMEL	Derived Minimum Effect Level (=abgeleiteter Minimaler -Effekt-Grenzwert)
DNEL	Derived No Effect Level (=abgeleiteter Nicht-Effekt-Grenzwert)
DOC	Dissolved organic carbon (=gelöster organischer Kohlenstoff)
DT50	Dwell Time - 50 % reduction of start concentration (Verweilzeit 50 % Konzentration - Als DT50-Wert wird der Zeitraum bezeichnet, in dem die Anfangskonzentration einer Substanz auf die Hälfte abnimmt.)
DVS	Deutscher Verband für Schweißen und verwandte Verfahren e.V.
Dw	dry weight (=Trockengewicht)
EAK	Europäischer Abfallkatalog
ECHA	European Chemicals Agency (=Europäische Chemikalienagentur)
EG	Europäische Gemeinschaft
EINECS	Europäisches Inventar der bekannten kommerziellen chemischen Stoffe / Altstoffinventar (European Inventory of Existing Commercial Chemical Substances)
ELINCS	Europäische Liste angemeldeter chemischer Stoffe / Neustoffliste (European List of Notified Chemical Substances)
EN	Europäische Normen
EPA	United States Environmental Protection Agency (United States of America)
ERC	Environmental Release Categories (=Umweltfreisetzungskategorien)
ES	Expositionsszenario
etc., usw.	et cetera, und so weiter
EU	Europäische Union
EWG	Europäische Wirtschaftsgemeinschaft
EW	Europäischer Wirtschaftsraum
Fax	Faxnummer

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gem.gemäß

ggf.gegebenenfalls

GGVSE	Gefahrgutverordnung Straße und Eisenbahn (Deutschland) – Diese Verordnung wurde durch die GGVSEB abgelöst bzw. ging in dieser auf.
GGVSEB	Gefahrgutverordnung Straße, Eisenbahn und Binnenschifffahrt (Deutschland)
GGVSee	Gefahrgutverordnung See (Verordnung über die Beförderung gefährlicher Güter mit Seeschiffen, Deutschland=
GHS	Weltweit harmonisiertes System zur Einstufung und Kennzeichnung von Stoffen und Gemischen (Globally Harmonised System of Classification, Labelling and Packaging of Chemicals)
GTN	Glycerintrinitrat
GW/VL	Grenswaarde voor beroepsmatige blootstelling (Valeur limite d'exposition professionnelle (Belgien)
GW-kw/VL-cd	Grenswaarde voor beroepsmatige blootstelling – Kortetijdswaarde / Valeur limite d'exposition professionnelle – Valeur courte durée (Belgien)
GW-M/VL-M	Grenswaarde voor beroepsmatige blootstelling – „Ceiling“ / Valeur limite d'exposition professionnelle – „Ceiling“ (Belgien)
GWP	Global warming potential (=Treibhauspotenzial)
HET-CAM	Hen's Egg Test – Chorionallantoic Membrane
HGWP	Halocarbon Global Warming Potential
IARC	Internationale Agentur für Krebsforschung (International Agency for Research on Cancer)
IATA	Verband für den internationalen Lufttransport (International Air Transport Association)
IBC	Großpackmittel (Intermediate Bulk Container)
IBC (Code)	International Bulk Chemical (Code)
IC	Inhibitorische Konzentration
IMDG-Code	Gefahrgutvorschriften für den internationalen Seetransport (International Maritime Dangerous Goods Code)
Inkl.	Inklusive, einschließlich
IUCLID	Datenbanksoftware wie sie zur Registrierung eingesetzt wird (International Uniform Chemical Information Database)
K.D.v.	Keine Daten vorhanden
KFZ, Kfz	Kraftfahrzeug
Konz.	Konzentration
LC	Letalkonzentration
LD	letale (tödliche) Dosis einer Chemikalie
LD50	Lethal Dose, 50 % (=mittlere letale Dosis)

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LFBG	Lebensmittel-, Bedarfsgegenstände- und Futtermittelgesetzbuch (Deutschland)
LOEC	Lowest Observed Effect Concentration (= Niedrigste Konzentration, bei der eine Wirkung beobachtet wird)
LOEL	niedrigste Dosierung mit beobachtetem Effekt (Lowest observable effect level)
LQ	Limited Quantities (=begrenzte Mengen)
LRV	Luftreinhalte-Verordnung (Schweiz)
MAK	Maximale Arbeitsplatzkonzentration - DFG
MAK-Kzw, TRK-Kzw	MAK-Kzw = Maximale Arbeitsplatzkonzentration - Kurzzeitwert / TRK-Kzw = n Technische Richtkonzentration - Kurzzeitwert (Österreich)
MAK-Mow	Maximale Arbeitsplatzkonzentration - Momentanwert (Österreich)
MAK-Tmw, TRK-Tmw	MAK-Tmw = Maximale Arbeitsplatzkonzentration - Tagesmittelwert / TRK-Tmw = Technische Richtkonzentration - Tagesmittelwert (Österreich)
MARPOL	Internationale Übereinkommen zur Verhütung der Meeresverschmutzung durch Schiffe
Min., min.	Minute(n) oder mindestens oder Minimum
n.a.	nicht anwendbar
n.g.	nicht geprüft
n.v.	nicht verfügbar
NIOSH	Nationales Institut für Arbeitsschutz, Amerika (National Institute for Occupational Safety & Health)
NOAEL	No observed Adverse Effect Level (=Dosis ohne beobachtete schädigende Wirkung)
NOEC	Höchste Dosis ohne schädliche Wirkung (No Observed Effect Concentration)
NOEL	Dosis ohne Wirkung (No Observed Effect Level)
ODP	Ozone Depletion Potential (=Ozonabbaupotenzial)
OECD	Internationale Organisation für wirtschaftliche Zusammenarbeit und Entwicklung (Organization for Economic Cooperation and Development)
org.	organisch
PAK	polyzyklischer aromatischer Kohlenwasserstoff
PBT	persistent, bioakkumulierbar, giftig (persistent, bioaccumulative, toxic)
PC	Produktkategorie (Product category)
PE	Polyethylen
PNEC	Abgeschätzte Nicht-Effekt-Konzentration (Predicted No Effect Concentration)
POCP	Photochemical ozone creation potential (=Photochemisches Ozonbildungspotenzial)
PP	Polypropylen
PROC	Prozesskategorie (Process category)
Pt.	Punkt

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PTFE	Polytetrafluorethylen
PUR	Polyurethane
PVC	Polyvinylchlorid
REACH	Registrierung, Bewertung und Zulassung von Chemikalien (Registration, Evaluation and Authorization of Chemicals)
REACH-IT List-No.	9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.
resp.	respektive
RID	Gefahrgutvorschriften für den Transport mit der Eisenbahn (Règlement International concernant le transport de marchandises dangereuses par chemin de fer)
SADT	Self-Acceleration Decomposition Temperature (=Selbstbeschleunigende Zersetzungstemperatur)
SU	Sector of use (=Verwendungssektor)
SVHC	Substances of Very High Concern (=besonders besorgniserregende Substanzen)
Tel.	Telefon
ThOD	Theoretischer Sauerstoffbedarf (Theoretical Oxygen Demand)
TOC	Total organic carbon (= Gesamter organischer Kohlenstoff)
TRG	Technische Regeln Druckgase
TRGS	Technische Regeln für Gefahrstoffe
UV	Ultraviolett
VbF	Verordnung über brennbare Flüssigkeiten (Österreichische Verordnung)
VCI	Verband der Chemischen Industrie e.V.
VOC	Flüchtige organische Kohlenwasserstoffe (Volatile Organic Compounds)
vPvB	sehr persistent, sehr bioakkumulierbar (very persistent, very bioaccumulative)
VwVwS	Verwaltungsvorschrift wassergefährdende Stoffe
WGK	Wassergefährdungsklasse gemäß Verwaltungsvorschrift wassergefährdende Stoffe – VwVwS (Deutsche Verordnung)
WGK1	schwach wassergefährdend
WGK2	wassergefährdend
WGK3	stark wassergefährdend
WHO	World Health Organization (=Weltgesundheitsorganisation)
wwt	wet weight (=Feuchtmasse)
z. Zt.	zur Zeit
z.B.	zum Beispiel

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The statements made here should describe the product with regard to the necessary safety precautions- they are not meant to guarantee definite characteristics- but they are based on our present up-to date knowledge. This statements were with the help by Chemical Check GmbH.

Ausgestellt von:

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