



Safety Data Sheet

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

PSI + 14 Silverline

Product code: 2449

Page 1-5

Date: January 16, 2017

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

Product identifier

PSI + 14 Silverline

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

Classification of the substance or mixture

This mixture is not classified as dangerous according to Directive 1999/45/EC.

GHS classification

This mixture is not classified as dangerous according to Regulation (EC) No. 1272/2008.

Label elements

SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

EC No.	Chemical name	-----
Quantity		
CAS No.	Classification	-----
Index No.	GHS classification	

Full text of R- and H-phrases: see section 16.

SECTION 4: First aid measures

Description of first aid measures

General information

Remove from exposure, lie down.

After inhalation



Safety Data Sheet

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

PSI + 14 Silverline

Product code: 2449

Page 2-5

Date: January 16, 2017

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

Heating or fire can release toxic gas: nitrogen oxides (NO_x) 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 clothing.

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.



Safety Data Sheet

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

PSI + 14 Silverline

Product code: 2449

Page 3-5

Date: January 16, 2017

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

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:	white
Odour:	pleasant

pH-Value (at 20°C): 1%

7,0

Test method

Changes in the physical state

Melting point: not determined

Boiling point: not determined

Safety Data Sheet

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

PSI + 14 Silverline

Product code: 2449

Page 4-5

Date: January 16, 2017

Flash point: not applicable

Explosive properties

Not explosive

Ignition temperature:

not applicable

Oxidizing properties

Not applicable.

Density (at 20 °C):

1,0g/cm³ kg/m³

SECTION 10: Stability and reactivity

Reactivity

No dangerous reaction known under conditions of normal use.

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

Information on toxicological effects

Acute toxicity

CAS No.	Chemical name	Exposure routes	Method	Dose	Species	h
61789-40-0	cocoamidopropyl betaine	Acute oral toxicity	LD50	> 2000 mg/kg	Ratte	

Irritation and corrosivity

Skin irritation: None known.

Eye irritation: None known.

SECTION 12: Ecological information

Toxicity

CAS No.	Chemical name	Aquatic toxicity	Method	Dose	Species	h
61789-40-0	cocoamidopropyl betaine	Acute fish toxicity	LC50	1-10 mg/l	Cyprinus carpio	96
		Acute algae toxicity	ErC50	1-10 mg/l	scenedesmus subspicatus	72
		Acute crustacea toxicity	EC50	1-10 mg/l	Daphnia magna	48

Persistence and degradability



Safety Data Sheet

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

PSI + 14 Silverline

Product code: 2449

Page 5-5

Date: January 16, 2017

Contained tenside is more than 90% biodegradable.

SECTION 13: Disposal considerations

Waste treatment methods

Advice on disposal

In accordance with local and national regulations.

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

Contaminated packaging

water.

Completely emptied packages may be recycled.

Dispose of packages that cannot be cleaned.

SECTION 14: Transport information

Land transport (ADR/RID)

Other applicable information (land transport)

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.

SECTION 15: Regulatory information

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

National regulatory information

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

SECTION 16: Other information

Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)

Ausgestellt von:

**Permanon GmbH, Winterstetten 53, D-88299 Leutkirch,
Tel. +49 7567- 1563, Fax: +49 7567-1031**