

**SILWET GOLD EC**

Country: IL :MSDS Number :Revision Date Version  
Language: EN 400000004034 28.06.2016 1.0

---

**1. PRODUCT AND COMPANY IDENTIFICATION****Product name**SILWET GOLD EC :**Product code**400000004034**Chemical nature**  
Defoamer**Details of the supplier of the safety data sheet**

Company: Arysta LifeScience Great Britain Ltd.  
Brooklands Farm, Cheltenham Road  
Evesham, Worcestershire  
United Kingdom  
WR11 2LS  
Telephone : +44 1386 425500

Prepared by sds.request@arysta.com

Further information for the safety data sheet :  
sds.request@arysta.com

**1.4 Emergency telephone number**

Emergency telephone number: +44 (0) 1235 239 670 (NCEC)  
For additional emergency telephone numbers see section 16 of the Safety Data Sheet.

**Recommended use of the chemical and restrictions on use****Recommended use**  
Defoamer**Restrictions on use**  
Agriculture  
For professional users only.

---

**2. HAZARDS IDENTIFICATION**

Harmful by inhalation. :R20

**Most important hazards**  
HarmfulToxic to aquatic organisms, may cause :R51/53  
long-term adverse effects in the aquatic  
environment.

Dangerous for the environment

**Other hazards**  
None known.

**SILWET GOLD EC**

Country: IL :MSDS Number :Revision Date Version  
 Language: EN 400000004034 28.06.2016 1.0

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Substance / Mixture** :Mixture

**Chemical nature** :  
 Defoamer

**Hazardous components**

% )Concentration (w/w)	Classification	CAS-No.	Chemical Name
>= 90 - <= 100	Xn; R20 N; R51/53	134180-76-0	Oxirane, methyl-, polymer with oxirane, mono[3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl] ether

**4. FIRST AID MEASURES**
**General advice**

Move out of dangerous area.  
 Consult a physician.  
 Show this safety data sheet to the doctor in attendance.

**If inhaled**

Move to fresh air.  
 Consult a physician after significant exposure.

**In case of skin contact**

Take off contaminated clothing and shoes immediately.  
 Wash off with soap and plenty of water.

**In case of eye contact**

Flush eyes with water as a precaution.  
 Remove contact lenses.  
 Protect unharmed eye.  
 Keep eye wide open while rinsing.  
 If eye irritation persists, consult a specialist.

**If swallowed**

Clean mouth with water and drink afterwards plenty of water.  
 Do not give milk or alcoholic beverages.  
 Never give anything by mouth to an unconscious person.  
 Obtain medical attention.

**Most important symptoms and effects, both acute and delayed**

Symptoms may be delayed.  
 Harmful if inhaled.

**Notes to physician**

The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.

**5. FIREFIGHTING MEASURES**
**Suitable extinguishing media**

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

**Specific hazards during firefighting**

**SILWET GOLD EC**

Country: IL :MSDS Number :Revision Date Version  
Language: EN 400000004034 28.06.2016 1.0

---

Do not allow run-off from fire fighting to enter drains or water courses.

**Specific extinguishing methods**

Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

**Special protective equipment for firefighters**

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

---

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment.  
Ensure adequate ventilation.

**Environmental precautions**

Do not flush into surface water or sanitary sewer system.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

**Methods and materials for containment and cleaning up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.

---

**7. HANDLING AND STORAGE****Advice on protection against fire and explosion**

Normal measures for preventive fire protection.

**Advice on safe handling**

Avoid exceeding the given occupational exposure limits (see section 8).  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Dispose of rinse water in accordance with local and national regulations.

**Conditions for safe storage**

Keep container tightly closed in a dry and well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.

---

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

**Exposure controls****Engineering measures**

Ensure that eyewash stations and safety showers are close to the workstation location.

**Personal protective equipment****Respiratory protection**

In the case of vapour formation use a respirator with an approved filter.

**Eye protection**

Eye wash bottle with pure water

---

**SILWET GOLD EC**

Country: IL :MSDS Number :Revision Date Version  
Language: EN 400000004034 28.06.2016 1.0

---

Tightly fitting safety goggles

**Skin and body protection**

Impervious clothing

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

**Hand protection**

:Remarks

Polyvinyl alcohol or nitrile- butyl-rubber gloves

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Before removing gloves clean them with soap and water.

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice.

When using do not eat or drink.

When using do not smoke.

Wash hands before breaks and at the end of workday.

---

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance** :liquid

**Colour** :clear

:to

:light yellow

**Odour** :ether-like

**Odour Threshold**

No data available

**pH**

6.0 - 9.0

No information available. :Method

**Melting point/range**

-50 °C

**Boiling point/boiling range**

> 150 °C

**Flash point**

143 °C

**Evaporation rate**

< 1

**Upper explosion limit**

Not explosive

**Lower explosion limit**

Not explosive

**Vapour pressure**

< 1.33 hPa, 25 °C

**Relative vapour density**

> 1Relative density

No data available

---

**SILWET GOLD EC**

Country: IL :MSDS Number :Revision Date Version  
Language: EN 400000004034 28.06.2016 1.0

---

**Density**  
1.002 g/cm<sup>3</sup>, 25 °C

**Solubility(ies)**

**Water solubility**  
dispersible

**Solubility in other solvents**  
No data available

**Partition coefficient: n-octanol/water**  
26 :Pow  
1.42 :log Pow

**Auto-ignition temperature**  
No data available

**Thermal decomposition**  
No data available

**Viscosity**

**Viscosity, dynamic**  
3,000 - 4,000 mPa.s, 20 °C  
No information available. :Method

**Viscosity, kinematic**  
No data available

**Oxidizing potential**  
The substance or mixture is not classified as oxidizing.

---

**10. STABILITY AND REACTIVITY**

**Reactivity**  
No dangerous reaction known under conditions of normal use.

**Chemical stability**  
Stable under normal conditions.

**Possibility of hazardous reactions**  
No decomposition if used as directed.

**Conditions to avoid**  
None known.

**Incompatible materials**  
None known.

**Hazardous decomposition products**  
Carbon oxides

---

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**  
Inhalation

**Acute toxicity**

**Product:**

**SILWET GOLD EC**

Country: IL :MSDS Number :Revision Date Version  
Language: EN 400000004034 28.06.2016 1.0

---

**Acute oral toxicity**  
> 2,000 mg/kg :Rat ,LD50

**Acute inhalation toxicity**  
> 11.78 mg/l :Rat ,LC50  
4 h :Exposure time  
dust/mist :Test atmosphere

Information given is based on data obtained from similar substances. :Remarks

**Acute dermal toxicity**  
> 2,000 mg/kg :Rat ,LD50

**Skin corrosion/irritation****Product:**

Rabbit :Species

4 h :Exposure time

slight irritation :Assessment

Not classified due to data which are conclusive although insufficient for classification. :Remarks

**Serious eye damage/eye irritation****Product:**

Rabbit :Species

slight irritation :Assessment

Not classified due to data which are conclusive although insufficient for classification. :Remarks

**Respiratory or skin sensitisation****Product:**

Guinea pig :Species

Did not cause sensitisation on laboratory animals. :Result

**Germ cell mutagenicity****Product:****Germ cell mutagenicity - Assessment**

Not mutagenic in Ames Test

**Carcinogenicity****Product:****Carcinogenicity - Assessment**

Not classified due to lack of data.

**Reproductive toxicity****Product:****Reproductive toxicity - Assessment**

Not classified due to lack of data.

**STOT - single exposure****Product:**

:Assessment

Based on available data, the classification criteria are not met.

**STOT - repeated exposure****Product:**

Based on available data, the classification criteria are not met. :Assessment

**SILWET GOLD EC**

Country: IL :MSDS Number :Revision Date Version  
Language: EN 400000004034 28.06.2016 1.0

---

**Repeated dose toxicity****Product:**

Rat :Species

300 mg/kg :NOAEL

Oral :Application Route

14 d :Exposure time

**Aspiration toxicity**

---

**12. ECOLOGICAL INFORMATION****Ecotoxicity****Product:****Toxicity to fish**

2.1 mg/l :Oncorhynchus mykiss (rainbow trout) ,LC50

96 h :Exposure time

**Persistence and degradability****Product:****Biodegradability**

According to the results of tests of biodegradability this product is not readily biodegradable. :Result  
Not readily biodegradable. :Remarks

**Bioaccumulative potential****Product:****Bioaccumulation**

No data available :Remarks

**Mobility in soil****Product:****Mobility**

No data available :Remarks

**Other adverse effects****Product:****Additional ecological information**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

---

**13. DISPOSAL CONSIDERATIONS****Disposal methods****Waste from residues**

The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Offer surplus and non-recyclable solutions to a licensed disposal company.  
Dispose of in accordance with the European Directives on waste and hazardous waste.

**Contaminated packaging**

Empty remaining contents.

**SILWET GOLD EC**

Country: IL :MSDS Number :Revision Date Version  
Language: EN 400000004034 28.06.2016 1.0

Dispose of as unused product.  
Do not re-use empty containers.

**14. TRANSPORT INFORMATION****International Regulation****UNRTDG**

UN 3082 :UN number  
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. :Proper shipping name  
(Polyalkyleneoxide Modified Heptamethyltrisiloxane)  
9 :Class  
III :Packing group  
9 :Labels

**IATA-DGR**

UN 3082 :UN number  
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., :Proper shipping name  
Environmentally hazardous substance, liquid, n.o.s.  
(Polyalkyleneoxide Modified Heptamethyltrisiloxane)  
9 :Class  
III :Packing group  
Miscellaneous :Labels  
964 :Packing instruction (cargo aircraft)  
964 :Packing instruction (passenger aircraft)

**IMDG-Code**

UN 3082 :UN number  
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. :Proper shipping name  
(Polyalkyleneoxide Modified Heptamethyltrisiloxane)  
9 :Class  
III :Packing group  
9 :Labels  
F-A, S-F :EmS Code  
no :Marine pollutant

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**  
Not applicable for product as supplied.

**15. REGULATORY INFORMATION**

**Safety, health and environmental regulations/legislation specific for the substance or mixture**  
International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors  
Neither banned nor restricted

**Labelling according to EC 548/67, EC 45/1999****Symbol(s)**

Xn  
N

**Risk phrase(s)**

Harmful by inhalation. R20  
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R51/53

**Safety phrase(s)**

Keep out of the reach of children. S 2



**SILWET GOLD EC**

Country: IL	:MSDS Number	:Revision Date	Version
Language: EN	400000004034	28.06.2016	1.0

---

Keep away from food, drink and animal feedingstuffs.	S13
When using do not eat, drink or smoke.	S20/21
Do not breathe spray.	S23
Avoid contact with eyes.	S25
Use appropriate container to avoid environmental contamination.	S57

---

**16. OTHER INFORMATION****Full text of R-Phrases**

Harmful by inhalation. :R20

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. :R51/53

**Full text of other abbreviations**

(Q)SAR - (Quantitative) Structure Activity Relationship; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CPR - Controlled Products Regulations; DIN - Standard of the German Institute for Standardisation; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISO - International Organisation for Standardization; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TDG - Transportation of Dangerous Goods; UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System; DSL - Domestic Substances List (Canada); KECI - Korea Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); AICS - Australian Inventory of Chemical Substances; IECSC - Inventory of Existing Chemical Substances in China; ENCS - Existing and New Chemical Substances (Japan); ISHL - Industrial Safety and Health Law (Japan); PICCS - Philippines Inventory of Chemicals and Chemical Substances; NZIoC - New Zealand Inventory of Chemicals; TCSI - Taiwan Chemical Substance Inventory; CMR - Carcinogen, Mutagen or Reproductive Toxicant; GLP - Good Laboratory Practice

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

IL / EN

**SILWET GOLD EC**

Country: IL	:MSDS Number	:Revision Date	Version
Language: EN	400000004034	28.06.2016	1.0

**Carechem24 International Worldwide Coverage**
**Emergency Phone Number**

<u>Europe:</u>	All European Countries	+44 (0) 1235 239 670 (NCEC)
<u>Asia Pacific:</u>	East / South East Asia – Regional Number	+65 3158 1074
	Australia	+61 2801 44558
	New Zealand	+64 9929 1483
	China	+86 532 8388 9090
	China Taiwan	+86 10 5100 3039
	Japan	+81 345 789 341
	Indonesia	00780 3011 0293
	Malaysia	+60 3 6207 4347
	Thailand	001800 1 2066 6751
	Korea	+65 3158 1285 +82 (0)234 798 401
	Vietnam	+65 3158 1255
	India	+65 3158 1198 0800 100 7479
	Pakistan	+65 3158 1329
	Philippines	+65 31581203
	Sri Lanka	+65 3158 1195
	Emergency Phone Number	+65 3158 1200
<u>Middle East / Africa:</u>	Arabic speaking countries	+44 (0) 1235 239 671
	South Africa	+27 21 300 2732
	All other countries	+44 (0) 1235 239 670
<u>America</u>	United States of America and Canada	+1866 928 0789 +1 215 207 0061
<u>Latin America:</u>	Brazil	+55 11 3197 5891
	Mexico	+52 555 004 8763
	Chile	+56 225 829 336
	All other countries	+44 (0) 1235 239 670