

Safety Data Sheet as per regulation (EC) 1907/2006

Commercial Product Name : K-RSD-E 0329 SILBER FOLCO SOL K-RSD-E

Article-No. : 17070-061

Revision Date : 08.06.2016

Version : 4 /en

FOLMANN

Replaces version from : 25.01.2016

Print date : 11.11.2016

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

1.1 Product identifier

*Commercial Product Name K-RSD-E 0329 SILBER FOLCO SOL K-RSD-E

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

*Relevant identified uses wallpaper coating

1.3 Details of the supplier of the safety data sheet

Address Follmann GmbH & Co. KG
Postfach 12 63
D-32372 Minden
Telephone : +49 (571) 93 39 -0
FAX : +49 (571) 93 39 -300

Responsible Department Environmental Department +49 (571) 9339-176

E-mail (competent person) sicherheitsdatenblatt@follmann.de

1.4 Emergency telephone number

Emergency telephone number Outside USA: -001 703 527 3887 (D813)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 Eye Irrit. 2; H319

2.2 Label elements

Hazard pictogram



GHS07

Signal word

Warning

H-statement(s)

H319: Causes serious eye irritation.

P-statement(s)

P280: Wear protective gloves/protective clothing/eye protection/face protection.
P337+P313: If eye irritation persists: Get medical advice/attention.

*Further information

EUH208: Contains isodecyl-diphenyl-phosphite. May produce an allergic reaction.

SECTION 3: Composition/information on ingredients

3.2 Mixture

Chemical characterization Dispersion of polyvinylchloride in plasticizer

Hazardous ingredients

Ingredient		Classification (EC) 1272/2008	Concentration
Dodecanol ethoxyliert	CAS No. : 9002-92-0 REACH No. : 01-2119968561-30-XXXY	Eye Dam. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 3; H412	1.0 - 5.0 % by weight

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Ingredient		Classification (EC) 1272/2008	Concentration
Alkylarylphosphit	CAS No. : 26544-23-0 EC-No. : 247-777-4 REACH No. : 01-2119968254-31-XXXY	Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Chronic 2; H411	0.1 – 1.0 % by weight

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice	Move out of dangerous area. Take off all contaminated clothing immediately. Do not leave the victim unattended. Show this safety data sheet to the doctor in attendance.
In case of skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation occurs, seek medical advice/attention.
In case of eye contact	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
If swallowed	Rinse mouth. Do NOT induce vomiting. Call a physician immediately.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	Carbon dioxide (CO ₂), Foam, Water spray, Dry powder
Extinguishing media which must not be used for safety reasons	High volume water jet

5.2 Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases	Hazardous decomposition products formed under fire conditions. Exposure to decomposition products may be a hazard to health. Gaseous hydrogen chloride (HCl).
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5.3 Advice for firefighters

Special protective equipment for firefighting	In the event of fire, wear self-contained breathing apparatus.
Additional information on firefighting	Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	Use personal protective equipment.
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6.2 Environmental precautions

Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.
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6.3 Methods and material for containment and cleaning up

Methods for cleaning up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Clean contaminated surface thoroughly. Treat recovered material as described in the section "Disposal considerations".
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6.4 Reference to other sections

Reference to other sections Disposal considerations See also section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling Handle and open container with care. Avoid contact with skin and eyes. Do not breathe vapours or spray mist. Provide appropriate exhaust ventilation at machinery.

Precautions Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8. Observe label precautions.

Advice on protection against fire and explosion No special protective measures against fire required.

7.2 Conditions for safe storage, including any incompatibilities

Storage space and container requirements Keep in properly labelled containers. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Storage specifications Protect from frost.

TRGS 510 10

Recommended storage temperature 0 – 30 °C

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2 Exposure controls

Respiratory protection Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust).
Note: Should no job-related limit values are indicated, the product, which a monitoring exposure limit is allocated, do not contains ingredients in relevant concentrations.

Hand protection Protective gloves complying with EN 374. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

Unsuitable material : woven fabric, Leather gloves

Suitable material : Nitriles

Eye protection Tightly fitting safety goggles

Skin and body protection Wear suitable protective equipment. Long sleeved clothing

General protective and hygiene measures Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feedingstuffs. Wash hands before breaks and at the end of workday. Use protective skin cream before handling the product. Avoid contact with the skin and the eyes.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state liquid

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*Form	paste
Colour	silver
Odour	characteristic
*Flash point [°C]	> 100 °C
Evaporation rate [kg/(s*m²)]	not determined
Vapour density	not determined
*Density [g/cm³]	approx. 1,21 g/cm³
Temperature :	20 °C
Partition coefficient n-octanol /water (log P O/W)	not determined
Autoignition temperature [°C]	not determined
*Viscosity, dynamic [kg/(m*s)]	approx. 4.000 – 7.000 mPas*s
Temperature :	20 °C
Measuring method :	Haake-Viscotester
Explosive properties	Not relevant
Oxidising properties	Not relevant

SECTION 10: Stability and reactivity**10.4 Conditions to avoid**

Conditions to avoid Hazardous decomposition products may be produced when the recommended processing temperatures or times are exceeded.

10.5 Incompatible materials

Materials to avoid Oxidizing agents (strong)

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Hazardous ingredients****Dodecanol ethoxyliert**

Oral toxicity [mg/kg]	Test criterion	Test species	Source
2001 mg/kg	LD50	rat	100

Source : 100 – Firmendaten

Dermal toxicity [mg/kg]	Test criterion	Test species	Source
2001 mg/kg	LD50	rat	100

Source : 100 – Firmendaten

Irritant effect on skin	No skin irritation
Test species	rabbit
Irritant effect on eyes	Risk of serious damage to eyes.
Test species	rabbit
Sensitization	No sensitization responses were observed.
Test species	guinea pig

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Mutagenicity negative
 Measuring method In vitro methods
 Reproduction toxicity 251 mg/kg
 Type NOAEL (No observed adverse effect level)

Alkylarylphosphit

Oral toxicity [mg/kg]	Test criterion	Test species	Remarks	Source
> 4000 mg/kg	LD50	rat	Value taken from the literature	100

Source : 100 - Firmendaten

Dermal toxicity [mg/kg]	Test criterion	Test species	Duration	Remarks	Source
> 5000	LD50	rabbit	24 h	Value taken from the literature	100

Source : 100 - Firmendaten

Inhalative toxicity [mg/l]	Test criterion	Test species	Note	Exposure duration	Source
> 8,4 mg/l	LD50	rabbit	Value taken from the literature	1 h	100

Source : 100 - Firmendaten

Irritant effect on skin Mild skin irritation
 Measuring method Draize Test
 Remarks Value taken from the literature
 Irritant effect on eyes Mild eye irritation
 Measuring method Draize Test
 Remarks Value taken from the literature
 Mutagenicity negative
 Measuring method In vitro methods
 Remarks Value taken from the literature

11.2 Additional information

Other information (chapter 11.) No toxicology information is available.

SECTION 12: Ecological information**12.1 Toxicity****Hazardous ingredients****Dodecanol ethoxyliert**

Toxicity to fish [mg/l]	Test criterion	Test species	Exposure duration	Source
0,11 - 1 mg/l	LC50	Brachydanio rerio (zebra fish)	96 h	100

Source : 100 - Firmendaten

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Toxicity to daphnia [mg/l]	Test criterion	Test species	Exposure duration	Source
0,11 – 1 mg/l	EC 50	Daphnia magna (Water flea)	48 h	100

Source : 100 – Firmendaten

Ready degradability

Alkylarylphosphit

Toxicity to fish [mg/l]	Source
> 16 mg/l	100

Source : 100 – Firmendaten

Toxicity to daphnia [mg/l]	Source
5 mg/l	100

Source : 100 – Firmendaten

Toxicity to algae [mg/l]	Source
1,6 mg/l	100

Source : 100 – Firmendaten

Biodegradability	1,31 %
Duration	28 day(s)
Reference substance	Information given is based on data obtained from similar substances.
Evaluation	Not inherently biodegradable.
Bioaccumulation	Does not bioaccumulate.
Bioconcentration factor (BCF)	17

12.5 Results of PBT and vPvB assessment

Results of PBT characteristics determination This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

12.6 Other adverse effects

Further information on ecology We have no quantitative data concerning the ecological effects of this product.

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

Disposal considerations According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. The following Waste Codes are only suggestions:

Waste Code 07 02 08*: other still bottoms and reaction residues

Uncleaned empty packaging –

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SECTION 14: Transport information

	*Land transport ADR/RID	*Marine transport IMDG	*Air transport ICAO/IATA
14.1 UN-No	Not applicable.	Not applicable.	Not applicable.

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	*Land transport ADR/RID	*Marine transport IMDG	*Air transport ICAO/IATA
14.2 Description of the goods	Non dangerous good	Non dangerous good	Non dangerous good IATA
14.2 UN proper shipping name		Non dangerous good	Non dangerous good
14.3 Transport hazard class(es)	Not applicable.	Not applicable.	Not applicable.
14.4 Packaging group	Not applicable.	Not applicable.	Not applicable.
14.5 Environmental hazards	Not applicable.	Not applicable.	Not applicable.

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

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not relevant

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Additional regulations Additionally, observe any national regulations!

SECTION 16: Other information

Relevant H-phrases EUH208: Contains isodecyl-diphenyl-phosphite. May produce an allergic reaction.
 H315: Causes skin irritation.
 H317: May cause an allergic skin reaction.
 H318: Causes serious eye damage.
 H319: Causes serious eye irritation.
 H400: Very toxic to aquatic life.
 H411: Toxic to aquatic life with long lasting effects.
 H412: Harmful to aquatic life with long lasting effects.

Wording of the hazard classes Eye Dam.: Serious eye damage
 Aquatic Acute: Hazardous to the aquatic environment
 Aquatic Chronic: Hazardous to the aquatic environment
 Skin Irrit.: Skin irritation
 Skin Sens.: Skin sensitization

Modifications since last version Modifications of the previous version are denoted with an asterisk (*).

Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

Classification	evaluation
Eye Irrit. 2; H319	

Department issuing safety data sheet Environmental Department

Further information Full text of R-phrases referred to under sections 2 and 3

This information is provided in accordance with the current status of our knowledge and experience. The Safety Data Sheet describes products with a view to relevant safety requirements. This information does not constitute a warranty of properties, features or qualities.