

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

Commercial Product Name : S-RSD 2093/14 FOLCO SOL S-RSD

Article-No. : 17110-164

Revision Date : 01.02.2017

Version : 1 /en

FOLMANN

Replaces version from : 12.12.2016

Print date : 23.03.2017

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

1.1 Product identifier

Commercial Product Name S-RSD 2093/14 FOLCO SOL S-RSD

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 This product is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] The product does not have to be labelled according to Regulation (EC) No. 1272/2008 [CLP].

Further information EUH208: Contains C,C'-azodi(formamide). May produce an allergic reaction.
EUH210: Safety data sheet available on request.

SECTION 3: Composition/information on ingredients

3.2 Mixture

Chemical characterization polyvinylchloride compounded with plasticizer and blowing agent

Hazardous ingredients

Ingredient		Classification (EC) 1272/2008	SVHC	Concentration
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics	CAS No. : 64742-48-9 EC-No. : 918-481-9 Index-No. : 649-327-00-6 REACH No. : 01-2119457273-39-XXXX	Asp. Tox. 1; H304		1.0 - 5.0 % by weight
C,C'-azodi(formamide)	CAS No. : 123-77-3 EC-No. : 204-650-8 Index-No. : 611-028-00-3 REACH No. : 01-2119493056-35-XXXX	Resp. Sens. 1; H334	✓	0.1 - 1.0 % by weight

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

Commercial Product Name : S-RSD 2093/14 FOLCO SOL S-RSD

Article-No. : 17110-164

Revision Date : 01.02.2017

Version : 1 /en

FOLMANN

Replaces version from : 12.12.2016

Print date : 23.03.2017

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). nitrogen oxides (NO _x), Ammonia
---	--

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.
----------------------	------------------------------------

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.
---------------------------	--

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".
-------------------------	--

6.4 Reference to other sections

Reference to other sections	Disposal considerations See also section 13
-----------------------------	---

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

Commercial Product Name : S-RSD 2093/14 FOLCO SOL S-RSD

Article-No. : 17110-164

Revision Date : 01.02.2017

Version : 1 /en

FOLMANN

Replaces version from : 12.12.2016

Print date : 23.03.2017

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

10 – 30 °C

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

C,C'-AZODI(FORMAMID)

DNEL

Value	Target group	Exposure route	Exposure frequency	Source
10,58 mg/kg	Workers	inhale	Long term effects systemic	100
8,0	Workers	dermal	Long term effects systemic	100

Source : 100 – Firmendaten

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.

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

Commercial Product Name : S-RSD 2093/14 FOLCO SOL S-RSD

Article-No. : 17110-164

Revision Date : 01.02.2017

Version : 1 /en

FOLMANN

Replaces version from : 12.12.2016

Print date : 23.03.2017

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	liquid
Form	paste
Colour	white
Odour	characteristic
pH	not applicable
Melting point [°C] / Freezing point [°C]	not applicable
Boiling point [°C]	not applicable
Flash point [°C]	> 100 °C
Evaporation rate [kg/(s*m ²)]	not determined
Vapour pressure [kPa]	not applicable
Vapour density	not determined
Density [g/cm ³]	1,35 – 1,37 g/cm ³
Temperature :	20 °C
Partition coefficient n-octanol /water (log P O/W)	not determined
Autoignition temperature [°C]	not determined
Viscosity, dynamic [kg/(m*s)]	7.000 – 9.000 mPas*s
Temperature :	20 °C
Measuring method :	Haake-Viscotester
Explosive properties	Not relevant
Oxidising properties	Not relevant

9.2 Other information

Ignition temperature [°C]	not applicable
---------------------------	----------------

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	Strong acids and oxidizing agents
--------------------	-----------------------------------

10.6 Hazardous decomposition products

Hazardous decomposition products	nitrogen oxides (NOx) Ammonia
----------------------------------	-------------------------------

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

Commercial Product Name : S-RSD 2093/14 FOLCO SOL S-RSD

Article-No. : 17110-164

Revision Date : 01.02.2017

Version : 1 /en

FOLMANN

Replaces version from : 12.12.2016

Print date : 23.03.2017

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Hazardous ingredients****Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics**

Oral toxicity [mg/kg]	Test criterion	Test species	Source
>2001	LD50	rat	13

Source : 13 - TRGS 900

Dermal toxicity [mg/kg]	Test criterion	Test species	Source
>2001	LD50	rabbit	13

Source : 13 - TRGS 900

Inhalative toxicity [mg/l]	Test criterion	Test species	Note	Source
>5,1	LD50	rat	Saturated vapour concentration	100

Source : 100 - Firmendaten

Irritant effect on skin No skin irritation Repeated exposure may cause skin dryness or cracking.

Irritant effect on eyes No eye irritation

Sensitization No known effect.

C,C'-AZODI(FORMAMID)

Oral toxicity [mg/kg]	Test criterion	Test species	Source
>5000 mg/kg	LD50	rat	100

Source : 100 - Firmendaten

Dermal toxicity [mg/kg]	Test criterion	Test species	Source
>2000 mg/kg	LD50	rabbit	100

Source : 100 - Firmendaten

Inhalative toxicity [mg/l]	Test criterion	Test species	Source
>0,52 mg/l	LC50	rat	100

Source : 100 - Firmendaten

11.2 Additional information

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

SECTION 12: Ecological information**12.1 Toxicity****Hazardous ingredients****Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics**

Toxicity to fish [mg/l]	Test criterion	Source
>1001	LC50	13

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

FOLMANN

Commercial Product Name : S-RSD 2093/14 FOLCO SOL S-RSD

Article-No. : 17110-164

Revision Date : 01.02.2017

Version : 1 /en

Replaces version from : 12.12.2016

Print date : 23.03.2017

Source : 13 - TRGS 900

Toxicity to daphnia [mg/l]	Test criterion	Source
>1001	LC50	13

Source : 13 - TRGS 900

Toxicity to algae [mg/l]	Test criterion	Source
>1001	LC50	13

Source : 13 - TRGS 900

Biodegradability Inherently biodegradable.

Remarks estimated

Bioaccumulation Bioaccumulative potential

C,C'-AZODI(FORMAMID)

Toxicity to fish [mg/l]	Test criterion	Test species	Exposure duration	Source
50 mg/l	LC50	Carassius auratus (goldfish)	96 h	100

Source : 100 - Firmendaten

Toxicity to daphnia [mg/l]	Test criterion	Source
12 mg/l	LC50	100

Source : 100 - Firmendaten

Biodegradability Biodegradable.

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 No information on ecology is available.

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 -

-

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.
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.

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

FOLMANN

Commercial Product Name : S-RSD 2093/14 FOLCO SOL S-RSD

Article-No. : 17110-164

Revision Date : 01.02.2017

Version : 1 /en

Replaces version from : 12.12.2016

Print date : 23.03.2017

	Land transport ADR/RID	Marine transport IMDG	Air transport ICAO/IATA
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 C,C'-azodi(formamide). May produce an allergic reaction.
EUH210: Safety data sheet available on request.
H304: May be fatal if swallowed and enters airways.
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Wording of the hazard classes Resp. Sens.: Respiratory sensitization

Department issuing safety data sheet Environmental Department

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

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

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.