

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

FOLMANN

Commercial Product Name: PEP 033//54/5

Article-No.: E23000076

Revision date: 16.02.2015

Version: 1/en

Print date: 20.04.2015

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

1.1 Product identifier

Commercial Product Name PEP 033//54/5

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

Relevant identified uses wallpaper

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 Directive 67/548/EEC / 1999/45/EEC This product is not classified as dangerous according to 67/548/EEC / 1999/45/EEC.

2.2 Label elements

Labelling (67/548/EEC or 1999/45/EC) The product does not have to be labelled according to guideline 67/548/EEC / 1999/45/EEC.

contains Alkylarylphosphit
May cause allergic reactions.

SECTION 3: Composition/information on ingredients

3.2 Mixture

Chemical characterization Dispersion of polyvinylchloride in plasticizer

Hazardous ingredients

Ingredient		Classification (EEC) No 67/548	Concentration
		Classification (EC) 1272/2008	
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics	EC-No.: 918-481-9 REACH No.: 01-2119457273-39	Xn; R65 R66	1.0 - 5.0 % by weight
		Asp. Tox. 1; H304	
Alkylarylphosphit	CAS No.: 26544-23-0 EC-No.: 247-777-4	R43 Xi; R38 N; R51/53	0.1 - 1.0 % by weight
		Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Chronic 2; H411	

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.

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

FOLMANN

Commercial Product Name: PEP 033//54/5

Article-No.: E23000076

Revision date: 16.02.2015

Version: 1/en

Print date: 20.04.2015

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 (CO₂), 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).

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.

6.5 Additional information

Other information Treat recovered material as described in the section "Disposal considerations".

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.

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

FOLMANN

Commercial Product Name: PEP 033//54/5

Article-No.: E23000076

Revision date: 16.02.2015

Version: 1/en

Print date: 20.04.2015

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.

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 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.

Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust).

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.

Suitable material: Nitriles

Unsuitable material: woven fabric, Leather gloves

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

Form Pasty

Colour transparent

Odour characteristic

Flash point [°C] > 100 °C

Evaporation rate [kg/(s*m²)] not determined

Vapour density not determined

Density [g/cm³] appr. 1,16 g/cm³

Partition coefficient n-octanol /water (log P O/W) not determined

Autoignition temperature [°C] not determined

Viscosity, dynamic [kg/(m*s)] approx. 1500 – 2500 mPa.s

Temperature: 20 °C

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

FOLMANN

Commercial Product Name: PEP 033//54/5

Article-No.: E23000076

Revision date: 16.02.2015

Version: 1/en

Print date: 20.04.2015

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

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.

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 mg/kg	LD50	rabbit	24 h	Value taken from the literature	100

Source: 100 - Firmendaten

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

Commercial Product Name: PEP 033//54/5

Article-No.: E23000076

Revision date: 16.02.2015

Version: 1/en

Print date: 20.04.2015

Inhalative toxicity [mg/l]	Test criterion	Duration of dosage	Test species	Note	Source
> 8,4 mg/l	LD50	1 h	rabbit	Value taken from the literature	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****Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics**

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

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

Alkylarylphosphit

Toxicity to fish [mg/l]	Test criterion	Exposure duration	Remarks	Source
> 16 mg/l	LC50	96 h	Value taken from the literature	100

Source: 100 - Firmendaten

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

FOLMANN

Commercial Product Name: PEP 033//54/5

Article-No.: E23000076

Revision date: 16.02.2015

Version: 1/en

Print date: 20.04.2015

Toxicity to daphnia [mg/l]	Test criterion	Test species	Exposure duration	Remarks	Source
5 mg/l	EC 50	Daphnia magna (Water flea)	48 h	Value taken from the literature	100

Source: 100 - Firmendaten

Toxicity to algae [mg/l]	Test criterion	Exposure duration	Remarks	Source
1,6 mg/l	EC 50	72 h	Value taken from the literature	100

Source: 100 - Firmendaten

Biodegradability	1,31 %
Reference substance	Information given is based on data obtained from similar substances.
Evaluation	Not inherently 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 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 -

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG	Air transport ICAO/IATA
14.2 Description of the goods	Non dangerous good	Non dangerous good IATA	Non dangerous good IATA
14.2 UN proper shipping name		Non dangerous good	Non dangerous good

14.7 Transport in bulk according to Annex II of MARPOL73/78 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!

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

FOLMANN

Commercial Product Name: PEP 033//54/5

Article-No.: E23000076

Revision date: 16.02.2015

Version: 1/en

Print date: 20.04.2015

SECTION 16: Other information

Relevant R-phrases	R38: Irritating to skin. R43: May cause sensitisation by skin contact. R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R65: Harmful: may cause lung damage if swallowed. R66: Repeated exposure may cause skin dryness or cracking.
Relevant H-phrases	H304: May be fatal if swallowed and enters airways. H315: Causes skin irritation. H317: May cause an allergic skin reaction. H411: Toxic to aquatic life with long lasting effects.
Wording of the hazard classes	Asp. Tox.: Aspiration hazard Skin Irrit.: Skin irritation Skin Sens.: Skin sensitization Aquatic Chronic: Hazardous to the aquatic environment
Department issuing safety data sheet	Environmental Department
Further information	Full text of R-phrases referred to under sections 2 and 3