

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

FOLMANN

Commercial Product Name : PEP 033//57

Article-No. : E23000138

Revision date : 15.10.2015

Version : 1 /en

Print date : 30.10.2015

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

1.1 Product identifier

Commercial Product Name PEP 033//57

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 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 isodecyl-diphenyl-phosphite. May produce an allergic reaction.

EUH210: Safety data sheet available on request.

SECTION 3: Composition/information on ingredients

3.2 Mixture

Chemical characterization Dispersion of polyvinylchloride in plasticizer

Hazardous ingredients

Ingredient		Classification (EC) 1272/2008	Concentration
(2-Methoxymethylethoxy)propanol (isomers mixture)	CAS No. : 34590-94-8 EC-No. : 252-104-2 REACH No. : 01-2119450011-60-XXXX		1.0 - 5.0 % by weight
Alkylarylphosphit	CAS No. : 26544-23-0 EC-No. : 247-777-4	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.

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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). 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.

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.

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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 10 – 30 °C

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

(2-Methoxymethylethoxy)propanol (isomers mixture)

Europe

Long-term exposure value/ mg/m ³	Long-term exposure value/ ppm	Note	Issuing date	Source
308	50	Skin	2000/39	24

Source : 24 – DIRECTIVE 2009/161/EU

DNEL

Value	Target group	Exposure route	Exposure frequency	Source
308 mg/m ³	Workers	Inhalation	Long term effects systemic	100
283 mg/kg	Workers	dermal	Long term effects systemic	100
37,2 mg/m ³	Consumers	Inhalation	Long term effects systemic	100
121 mg/kg	Consumers	dermal	Long term effects systemic	100
36 mg/kg	Consumers	Oral	Long term effects systemic	100

Source : 100 – Firmendaten

PNEC

Value	Exposure route	Source
19 mg/l	freshwater	100
1,9 mg/l	marine water	100
190 mg/l	Continuous release.	100
4168 mg/l	Waste water treatment	100
70,2	freshwater sediment	100
7,02	marine sediment	100
2,74 mg/kg	Soil	100

Source : 100 – Firmendaten

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.

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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	Paste
Colour	milky
Odour	characteristic
Flash point [°C]	> 100 °C
Evaporation rate [kg/(s*m ²)]	not determined
Vapour density	not determined
Density [g/cm ³]	approx. 1,19 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)]	approx. 1300 – 1800 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.
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10.5 Incompatible materials

Materials to avoid	Strong acids and oxidizing agents
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10.6 Hazardous decomposition products

Hazardous decomposition products	nitrogen oxides (NO _x) Ammonia
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SECTION 11: Toxicological information**11.1 Information on toxicological effects****Hazardous ingredients****(2-Methoxymethylethoxy)propanol (isomers mixture)**

Oral toxicity [mg/kg]	Test criterion	Test species	Source
5135 mg/kg	LD50	rat	100

Source : 100 - Firmendaten

Dermal toxicity [mg/kg]	Test criterion	Test species	Source
9500 mg/kg	LD50	rat	100

Source : 100 - Firmendaten

Inhalative toxicity [mg/l]	Test criterion	Test species	Exposure duration	Source
55 - 60 mg/l	LC50	rat	4 h	100

Source : 100 - Firmendaten

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

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

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11.2 Additional information

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

SECTION 12: Ecological information**12.1 Toxicity****Hazardous ingredients****(2-Methoxymethylethoxy)propanol (isomers mixture)**

Toxicity to fish [mg/l]	Test criterion	Test species	Exposure duration	Source
> 10000 mg/l	LC50	Pimephales promelas (fathead minnow)	96 h	100

Source : 100 - Firmendaten

Toxicity to daphnia [mg/l]	Test criterion	Test species	Exposure duration	Source
1919 mg/l	LC50	Daphnia magna (Water flea)	48 h	100

Source : 100 - Firmendaten

Toxicity to algae [mg/l]	Test criterion	Test species	Exposure duration	Source
969 mg/l	EC 50	Selenastrum capricornutum (green algae)	96 h	100

Source : 100 - Firmendaten

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

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).

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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 -

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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.
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
14.3 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 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!

SECTION 16: Other information

Relevant H-phrases EUH208: Contains Alkylarylphosphit. May produce an allergic reaction.
EUH210: Safety data sheet available on request.
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 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

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.