

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

1. Identification of the substance/ preparation and of the company/ undertaking

Identification of the substance or preparation: ProPerla Facade Coating

Supplier (manufacturer/importer/downstream user/distributor):
 Emalux GmbH
 Werner-von-Siemens-Strasse 6

D-28832 Achim

Dept. responsible for information:
 Labor

Emergency telephone:
 Only available during office hours.

Telephone: + 49 4202 622 330
 Telefax: + 49 4202 615 36

E-mail: kontakt@emalux.de
 + 49 4202 622 330

2. Hazards identification

This preparation is not classified as dangerous according to 1999/45/EC.
Information pertaining to special dangers for human and environment

3. Composition/ Information on ingredients

chemical characterization (preparation)

Description: wässrige Kunststoffdispersionsfarbe

Hazardous ingredients:

EC No:	Identification of the hazard:	Hazard symbol(s):	% by weight
CAS No.:	R phrases:	Remark:	
INDEX no.:	REACH No:		
236-675-5	Titanium dioxide		12,5 - 21
13463-67-7		*	

Additional information

Full text of R-phrases: see section 16.

4. First-aid measures

General information:

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in unconscious position and seek medical advice.

After inhalation

Move victim to fresh air. Put victim at rest and keep warm. In case of irregular breathing or respiratory arrest provide artificial respiration.

In case of skin contact:

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

In case of eye contact:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice.

After ingestion:

If swallowed, rinse mouth with water (only if the person is conscious). Consult physician immediately. Keep victim calm. Do not induce vomiting.

5. Firefighting measures

Suitable extinguishing media:

Alcohol resistant foam, Carbon dioxide, Powder, spray mist, (water)

Extinguishing media which must not be used for safety reasons:

Strong water jet

Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases:

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Special protective equipment for firefighters:

Provide a conveniently located respiratory protective device.

Additional information:

Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous.

6. Accidental release measures

Personal precautions

Ventilate affected area. Do not breathe vapours. See protective measures under point 7 and 8.

Environmental measures

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

methods for cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see chapter 13). Clean using cleansing agents. Do not use solvents.

7. Handling and storage

Handling

Advices on safe handling

Avoid contact with skin, eyes and clothes. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to chapter 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

Storage

Requirements for storerooms and containers:

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 15 °C and 30 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

8. Exposure controls / Personal protection

Technical measures to prevent exposure

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

Components with occupational exposure limits resp. biological occupational exposure limits requiring monitoring:

EC No: CAS No.:	Description:	type:	Limit value		Unit
			STEL (EC)	TWA (EC)	
236-675-5 13463-67-7	Titanium dioxide		10		mg/m3

Additional information

Stated values are taken from the then applicable German TRGS 900 or the German VCI table for exposure limit values.

TWA (EC): Occupational exposure limit value

STEL (EC): Short-term occupational exposure limit value

Occupational exposure controls:

Respiratory protection:

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Use only respiratory protection equipment with CE-symbol including four digit test number.

Hand protection:

For prolonged or repeated handling the following glove material must be used: NR (natural rubber, natural latex).

Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles: DIN EN 374 Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Eye protection:

Wear closely fitting protective glasses in case of splashes.

Body protection:

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

Protective measures:

After contact clean skin thoroughly with water and soap oder use appropriate cleanser.

9. Physical and chemical properties

Appearance:

Physical state: liquid

Colour refer to label

Odour:

Safety relevant basis data

	Unit	Method	Remark:
Flash point (°C):	°C		
Ignition temperature (AIT):			
lower explosion limit:	0,7 Vol-%		
Upper explosion limit:	33,6 Vol-%		
Vapour pressure at 20 °C: 20	9,04 hPa		
Density at 20 °C: 20	1,450 g/cm ³		
Water solubility (g/l):	partially miscible		
pH at 20 °C: 20	9,0 +/- 0,5		
Viscosity at °C:	hochviskos		
Solvent separation test (%):	< 3 %		
Solid content (%):	63 % by weight		
solvent content:			
Organic solvents::	0,0 % by weight		
Water:	36,6 % by weight		

10. Stability and reactivity

Conditions to avoid

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7. Hazardous decomposition byproducts may form with exposure to high temperatures.

Materials to avoid

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

11. Toxicological information

No data on preparation itself available.

Practical experience

Other observations:

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

Overall Assessment on CMR properties:

The components in this formulation do not meet the criteria for classification as CMR category 1 or 2.

There is no information available on the preparation itself . The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and has not been classified.

12. Ecological information

Overall evaluation:

There is no information available on the preparation itself .

Do not allow to enter into surface water or drains.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Results of PBT assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is not classified as dangerous for the environment.

13. Disposal considerations

Appropriate disposal / Product

Recommendation:

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to EC directives 75/442/EEC and 91/689/EEC in the corresponding versions, covering waste and dangerous waste.

Control report for waste code/ waste marking according to EAKV:

080112 waste paint and varnish other than those mentioned in 080111

Contaminated packaging:

Recommendation:

Cleaned containers may be recycled. Vessels not properly emptied are special waste.

14. Transport information

This mixture is not classified as dangerous according to international transport regulations (ADR/RID, IMDG, ICAO/IATA).

15. Regulatory information

EU legislation

Chemical Safety Assessment

Chemical safety assessments for substances in this preparation were not carried out.

Labelling (67/548/EEC or 1999/45/EC)

This preparation is not classified as dangerous according to 1999/45/EC.

R phrases:

S-phrases:

Special provisions concerning the labelling of certain mixtures

Other regulations (EU):

biocide directive (98/8/EC).

biocide, active substance

Terbutryn (ISO)	0,1 g/kg
Zinkpyrithion	0,1 g/kg
octhilinone (ISO)	0,045 g/kg

Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline).

VOC-value (in g/l) ISO 11890-2:	39
VOC-value (in g/l) ASTM D 2369:	7

To follow:

Use biocides safely. Always read the label and product information before use.

National regulations

Informations on working limitations:

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Giscode:

16. Other information

Wording of the r-phrases under paragraph 3:

Further remarks:

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in chapter 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.

Annex

At present, data / information on exposure scenarios are not available, so that an evaluation of the preparation cannot yet be made.