

Safety Data Sheet 1907/2006/EC - REACH (GB)
Powermix Harz (Polyol)

Date printed 29.09.2011, Revision 29.09.2011

Version 01

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1 Identification of the substance / preparation and of the company

1.1 Product identifier

Powermix Harz (Polyol)

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

1.2.1 Relevant uses

Resin

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company Voelkel Industrie-Produkte GmbH
Lohenstr.11
82166 Gräfelfing / GERMANY
Phone: +49 (0) 89-895 580 90
Fax: +49 (0) 89-895 580 999
Homepage: www.vip-gmbh.com
E-mail: info@vip-gmbh.com

Address enquiries to

Technical information

Safety Data Sheet

info@vip-gmbh.com
sdb@chemiebuero.de

1.4 Emergency phone

+49 (0) 89-19240 (24h) (english)

2 Hazards identification

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]

Acute Tox. 4, H302 H312 H332
Eye Irrit. 2, H319
Skin Irrit. 2, H315
Aquatic Chronic 3, H412
Classification according to conversion table Annex VII 1272/2008/EC

2.1.2 Classification according to Regulation 67/548/EEC or 1999/45/EC

Xn, R 36/38-20/21/22-52/53

2.2 Label elements

Hazard symbols



Harmful

Contains:

Propoxylated Glycerin
2,2'-Dimethyl-4,4'-methylenebis(cyclohexylamine)

R-phrases

R 36/38: Irritating to eyes and skin.
R 20/21/22: Harmful by inhalation, in contact with skin and if swallowed.
R 52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases

S 2: Keep out of the reach of children.
S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 36/37/39: Wear suitable protective clothing, gloves and eye/face protection.
S 46: If swallowed, seek medical advice immediately and show this container or label.

Special labelling

not applicable

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2.3 Other hazards

Physico-chemical hazards	See chapter 10.
Human health dangers	See chapter 11.
Environmental hazards	See chapter 12.
Other hazards	Further hazards were not determined with the current level of knowledge.

3 Composition / Information on ingredients**3.1 Product-type:**

The product in question is a mixture.

Range [%]	Substance
40 - <80	Ethylenediamine, propoxylated CAS: 25214-63-5, EINECS/ELINCS: 500-035-6 GHS/CLP: not determined EEC: Xi, R 36
25 - <50	Propoxylated Glycerin CAS: 25791-96-2, EINECS/ELINCS: 500-044-5 GHS/CLP: not determined EEC: Xn, R 22
3 - <5	2,2'-Dimethyl-4,4'-methylenebis(cyclohexylamine) CAS: 8864-37-5, EINECS/ELINCS: 229-962-1, EU-INDEX: 612-110-00-1 GHS/CLP: Acute Tox. 3, H331 - Acute Tox. 4, H311 - H302 - Aquatic Chronic 2, H314 - H411 EEC: T-C-N, R 22-23/24-35-51/53
1 - <5	Trimethoxyvinylsilane CAS: 2768-02-7, EINECS/ELINCS: 220-449-8 GHS/CLP: Flam. Liq. 3, H226 - Acute Tox. 4, H332 EEC: Xn, R 10-20

Comment on component parts Substances of Very High Concern - SVHC: substances are not contained or are below 0,1%. For the wording of the listed risk phrases refer to section 16.

4 First aid measures**4.1 Description of first aid measures**

General information	Remove contaminated soaked clothing immediately and dispose of safely.
Inhalation	Remove the victim into fresh air and keep him calm. In the event of symptoms seek for medical treatment.
Skin contact	In case of contact with skin wash off immediately with soap and water. Consult a doctor if skin irritation persists.
Eye contact	In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.
Ingestion	Do not induce vomiting. Supply with medical care.

4.2 Most important symptoms and effects, both acute and delayed

No informations available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5 Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media Carbon dioxide.
Dry powder.
Sand.

Extinguishing media that must not be used Full water jet

5.2 Special hazards arising from the substance or mixture

Unknown risk of formation of toxic pyrolysis products.

5.3 Advice for firefighters

Do not inhale explosion and/or combustion gases.
Use self-contained breathing apparatus.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.
Use personal protective equipment.
High risk of slipping due to leakage/spillage of product.

6.2 Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers).
Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Pick up with absorbent material (e.g. sand, universal absorbent, diatomaceous earth).
Dispose of absorbed material in accordance within the regulations.

6.4 Reference to other sections

See Chapter 8+13

7 Handling and storage

7.1 Precautions for safe handling

Use only in well-ventilated areas.
Vacuuming in situ required.
Keep away from all sources of ignition - Refrain from smoking.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.
Prevent penetration into the ground.
Do not store together with oxidizing agents.
Keep container tightly closed.
Keep container in a well-ventilated place.
Store in a dry place.
Do not keep at temperatures above 50 °C.

7.3 Specific end use(s)

See product use, Chapter 1.2

8 Exposure controls / personal protection**8.1 Control parameters**

Ingredients with occupational exposure limits to be monitored (GB) not applicable

8.2 Exposure controls

Additional advice on system design Ensure adequate ventilation on workstation.

Eye protection safety glasses

Hand protection The details concerned are recommendations. Please contact the glove supplier for further information.

In full contact

Nitrile rubber, >480 min (EN 374).

Butyl rubber, >480 min (EN 374).

PVC (EN 374).

In splash contact

Nitrile rubber, >120 min (EN 374).

butyl rubber, > 120 min (EN 374)

Skin protection

Protective overalls.

Other

Do not inhale vapours.

Avoid contact with eyes and skin.

Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of these equipments to chemicals should be ascertained with the respective supplier.

Do not eat, drink, smoke or take drugs at work.

Wash hands before breaks and after work.

Use barrier skin cream.

Respiratory protection

Breathing apparatus in the event of high concentrations.

Short term: filter apparatus, combination filter A-P2.

Thermal hazards

not applicable

Delimitation and monitoring of the environmental exposition

See Chapter 6+7.

9 Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Form	liquid
Color	various
Odor	characteristic
Odour threshold	not determined
pH-value	> 7
pH-value [1%]	not determined
Boiling point [°C]	not determined
Flash point [°C]	> 180
Flammability [°C]	> 350
Lower explosion limit	not determined
Upper explosion limit	not determined
Oxidizing properties	no
Vapour pressure [kPa]	not determined
Density [g/ml]	1,02 (23°C)
Bulk density [kg/m ³]	not applicable
Solubility in water	partially soluble
Partition coefficient [n-octanol/water]	not determined
Viscosity	ca. 900 mPas
Relative vapour density determined in air	not determined
Evaporation speed	not determined
Melting point [°C]	not determined
Autoignition temperature [°C]	not determined
Decomposition temperature	> 200

9.2 Other information

none

10 Stability and reactivity**10.1 Reactivity**

No dangerous reactions known if used as directed.

10.2 Chemical stability

The product is stable under standard conditions.

10.3 Possibility of hazardous reactionsReactions with oxidizing agents.
Reactions with isocyanate.**10.4 Conditions to avoid**

See chapter 7.2.

10.5 Incompatible materials

See chapter 10.3.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

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11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Range [%]	Substance
	LD50, oral, Rat: > 200 - 2000 mg/kg.

Serious eye damage/irritation	Irritant
Skin corrosion/irritation	Irritant
Respiratory or skin sensitisation	not determined
Specific target organ toxicity — single exposure	not determined
Specific target organ toxicity — repeated exposure	not determined
Mutagenicity	not determined
Reproduction toxicity	not determined
Carcinogenicity	not determined
General remarks	

The product was classified on the basis of the calculation procedure of the preparation directive.

12 Ecological information

12.1 Toxicity

Range [%]	Substance
	Bacteria: EG50: > 100 mg/l.
	LC50, fish: > 50 mg/l.

12.2 Persistence and degradability

Behaviour in environment compartments	not determined
Behaviour in sewage plant	not determined
Biological degradability	The product is only slightly biodegradable.

12.3 Bioaccumulative potential

No informations available.

12.4 Mobility in soil

No informations available.

12.5 Results of PBT and vPvB assessment

No informations available.

12.6 Other adverse effects

The product was classified on the basis of the calculation procedure of the preparation directive.

Do not discharge product unmonitored into the environment or into the drainage.

13 Disposal considerations**13.1 Waste treatment methods**

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Product

Dispose of as hazardous waste.
For recycling, consult manufacturer.

Waste no. (recommended)

080409*

Contaminated packaging

Packaging that cannot be cleaned should be disposed of as for product.

Waste no. (recommended)

150110*

14 Transport information**14.1 UN number**

See point 14.2 in accordance with UN shipping name

14.2 UN proper shipping name**Classification according to ADR**

NO DANGEROUS GOODS

Classification according to IMDG

NOT CLASSIFIED AS "DANGEROUS GOODS"

Classification according to IATA

NOT CLASSIFIED AS "DANGEROUS GOODS"

14.3 Transport hazard class(es)

See point 14.2 in accordance with UN shipping name

14.4 Packing group

See point 14.2 in accordance with UN shipping name

14.5 Environmental hazards

See point 14.2 in accordance with UN shipping name

14.6 Special precautions for user

Relevant information under points 6 to 8.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

not applicable

15 Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EEC-REGULATIONS**

1967/548 (1999/45); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (Reach);
1272/2008; 75/324/EEC (2008/47/EC); 453/2010/EC

TRANSPORT-REGULATIONS

DOT-Classification, ADR (2011); IMDG-Code (2011, 35. Amdt.); IATA-DGR (2011).

NATIONAL REGULATIONS (GB):

EH40/2005 Workplace exposure limits with amendments October 2007.
CHIP 3/ CHIP 4

15.2 Chemical safety assessment

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

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16 Other informations

R-phrases (Chapter 03)

R 36: Irritating to eyes.
R 22: Harmful if swallowed.
R 10: Flammable.
R 20: Harmful by inhalation.
R 23/24: Toxic by inhalation and in contact with skin.
R 35: Causes severe burns.
R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard statements (Chapter 03)

H226 Flammable liquid and vapour.
H332 Harmful if inhaled.
H331 Toxic if inhaled.
H311 Toxic in contact with skin.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H411 Toxic to aquatic life with long lasting effects.

Observe employment restrictions for people **yes**

VOC (1999/13/CE)

ca. 63 %

Customs Tariff

not determined

Disclaimer: This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
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