

# DECLARATION OF PERFORMANCE DoP No. MKT-310 - en

- 1. Unique identification code of the product-type: MKT Injection System VMZ and VMZ-IG
- 2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):

ETA-04/0092, Annex 3 und 24
Batch number: see packaging of the product.

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

generic type	torque controlled bonded anchor				
for use in	cracked and non-cracked concrete C20/25 - C50/60 (EN 206)				
option	1				
loading	static or quasi-static, seismic category C2				
material	hot-dip galvanized steel: dry internal conditions only covered sizes: VMZ: M8, M10, M12, M16, M20, M24  zinc-plated steel: dry internal conditions only covered sizes: VMZ: M8, M10, M12, M16, M20, M24 VMZ-IG: M6, M8, M10, M12, M16, M20  stainless steel (marking A4): internal and external use without particular aggressive conditions covered sizes: VMZ: M8, M10, M12, M16, M20, M24 VMZ-IG: M6, M8, M10, M12, M16, M20  high corrosion resistant steel (marking HCR): internal and external use with particular aggressive conditions covered sizes: VMZ: M8, M10, M12, M16, M20, M24 VMZ-IG: M8, M10, M12, M16, M20, M24 VMZ-IG: M8, M10, M12, M16, M20, M24				
temperature range (if applicable)	Range I: -40 °C to +80 °C Range II: -40 °C to +120 °C				

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):

MKT Metall-Kunststoff-Technik GmbH & Co. KG Auf dem Immel 2 D - 67685 Weilerbach

- 5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): --
- 6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: System 1
- 7. In case of the declaration of performance concerning a construction product covered by a harmonised standard: --

- 1 - 20.06.2013

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

Deutsches Institut für Bautechnik, Berlin

issued

ETA-04/0092

on the basis of

**ETAG 001-5** 

The notified body 0756-CPD performed under system 1:

- (i) determination of the product type on the basis of type testing (including sampling), type calculation, tabulated values or descriptive documentation of the product;
- (ii) initial inspection of the manufacturing plant and of factory production control;
- (iii) continuous surveillance, assessment and evaluation of factory production control.

and issued:

certificate of conformity 0756-CPD-0020

9. Declared performance:

Essential	MITIGI		mance	Harmonized
Characteristics	Design Method	VMZ-A	VMZ-IG	Technical Specification
characteristic resistance for tension	ETAG 001, Annex C	ETA-04/0092, Annex 11, 12	ETA-04/0092, Annex 29	
(static or quasi-static)	CEN/TS 1992-4	ETA-04/0092, Annex 16, 17	ETA-04/0092, Annex 31	,
characteristic	ETAG 001, Annex C	ETA-04/0092, Annex 14, 15	ETA-04/0092, Annex 30	
resistance for shear (static or quasi-static)	CEN/TS 1992-4	ETA-04/0092, Annex 19, 20	ETA-04/0092, Annex 32	
characteristic resistance for seismic action	TR 045	ETA-04/0092, Annex 21, 22	1	ETAG 001
minimum spacing and	ETAG 001, Annex C	ETA-04/0092, Annex 10	ETA-04/0092, Annex 28	3
minimum edge distance	CEN/TS 1992-4	ETA-04/0092, Annex 10	ETA-04/0092, Annex 28	
displacement for	ETAG 001, Annex C	ETA-04/0092, Annex 13, 14, 15	ETA.04/0092, Annex 30	
serviceability limit state	CEN/TS 1992-4	ETA-04/0092, Annex 18, 19, 20	ETA-04/0092, Annex 32	

Where pursuant to Article 37 or 38 in the Specific Technical Documentation has been used, the requirements with which the product complies: --

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Lore Weustenhagen

(General Manager)

Weilerbach, 30.06.2013

Dipl.-Ing. Detlef Bigalke

(Head of product development)

CETA CE

Annex: Safety Data Sheet

# Safety Data Sheet according to (EC) No 1907/2006 - ISO 11014-1

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MKT injection adhesive VMZ

V002.0 Revision: 19.07.2011 printing date: 13.09.2011

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

#### Product identifier:

MKT injection adhesive VMZ, Comp A

### Relevant identified uses of the substance or mixture and uses advised against:

Intended use: compound mortar

## Company name:

MKT Metall-Kunststoff-Technik GmbH & Co. KG

Auf dem Immel 2

D-67685 Weilerbach

Phone: +49 (0) 6374/9116-0

E-Mail: Responsible for the safety data sheet: mkt@mkt-duebel.de

## **SECTION 2: Hazards identification**

#### Classification of the substance or mixture:

#### **Classification (DPD):**

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## Label elements (DPD):

Risk phrases:

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## Safety phrases:

S2 Keep out of the reach of children.

S46 If swallowed, seek medical advice immediately and show this container or label.

S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

### Other hazards:

Persons suffering from allergic reactions to acrylates should avoid contact with the product.

## **SECTION 3: Composition/information on ingredients**

### General chemical description:

Resin

## Base substances of preparation:

Inorganic fillers

Methacrylates

## Declaration of the ingredients according to CLP (EC) No 1272/2008:

Hazardous components CAS-No.	EINECS REACH-Reg No.	content	Classification
Hexanediol dimethacrylate 6606-59-3	229-551-7	< 10 %	Specific target organ toxicity - single exposure 3 H335 Serious eye irritation 2 H319 Skin irritation 2 H315
N,N-Diethylaniline 91-66-7	202-088-8	< 0,5 %	Acute toxicity 3; Oral H301 Acute toxicity 3; Inhalation H331 Acute toxicity 3; Dermal H311 Specific target organ toxicity - repeated exposure 2 H373 Chronic hazards to the aquatic environment 2 H411

Only dangerous ingredients for which a CLP classification is already available are displayed in this table. For full text of the H - statements and other abbreviations see section 16 "Other information". Substances without classification may have community workplace exposure limits available.

## Declaration of ingredients according to DPD (EC) No 1999/45:

Hazardous components	EINECS	content	Classification
CAS-No.	REACH-Reg No.		
Hexanediol dimethacrylate	229-551-7	< 10 %	Xi - Irritant; R36/37/38
6606-59-3			N - Dangerous for the environment; R51/53
N,N-Diethylaniline	202-088-8	< 0,5 %	T - Toxic; R23/24/25
91-66-7			N - Dangerous for the environment; R51, R53
			R33
4-tert-Butylpyrocatechol	202-653-9	< 1 %	C - Corrosive; R34
98-29-3			Xn - Harmful; R21/22
			N - Dangerous for the environment; R51/53

For full text of the R-Phrases indicated by codes see section 16 'Other Information'. Substances without classification may have community workplace exposure limits available.

## **SECTION 4: First aid measures**

### Description of first aid measures:

General information:

In case of adverse health effects seek medical advice.

Inhalation:

Move to fresh air, consult doctor if complaint persists.

Skin contact:

Rinse with running water and soap. Skin care. Remove contaminated clothes immediately.

Eve contact

Rinse immediately with plenty of running water, seek medical advice if necessary.

Ingestion:

Rinse mouth and throat. Drink 1-2 glasses of water. Seek medical advice.

Most important symptoms and effects, both acute and delayed:

No data available.

### Indication of any immediate medical attention and special treatment needed:

See section: Description of first aid measures

## **SECTION 5: Firefighting measures**

### **Extinguishing media:**

### Suitable extinguishing media:

carbon dioxide powder Fine water spray water spray jet

#### Extinguishing media which must not be used for safety reasons:

High pressure waterjet foam

### Special hazards arising from the substance or mixture:

In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO2) can be released.

### Advice for firefighters:

Wear self-contained breathing apparatus.

Wear protective equipment.

## **SECTION 6: Accidental release measures**

## Personal precautions, protective equipment and emergency procedures:

Avoid contact with eyes.

Ensure adequate ventilation.

Wear protective equipment.

Danger of slipping on spilled product.

#### **Environmental precautions:**

Do not empty into drains / surface water / ground water.

## Methods and material for containment and cleaning up:

Remove mechanically.

Dispose of contaminated material as waste according to Chapter 13.

## **Reference to other sections:**

See advice in chapter 8

## **SECTION 7: Handling and storage**

#### Precautions for safe handling:

Avoid skin and eye contact.

Ensure that workrooms are adequately ventilated.

## Hygiene measures:

Do not eat, drink or smoke while working.

Wash hands before work breaks and after finishing work.

## Conditions for safe storage, including any incompatibilities:

Store in sealed original container protected against moisture.

Store in a cool, dry place.

Storage at 5 to 25°C is recommended.

Keep container in a well ventilated place.

Do not store together with food or other consumables (coffee, tea, tobacco, etc.).

#### Specific end use(s):

compound mortar

## **SECTION 8: Exposure controls/personal protection**

## **Control parameters:**

Valid for

Great Britain

None

### **Exposure controls:**

Respiratory protection:

When processing large amounts.

Suitable breathing mask when there is inadequate ventilation.

Filter: A - P2

#### Hand protection:

Recommended are gloves made from Nitril rubber (Material thickness >0,1 mm, Perforation time < 30s). Gloves should be replaced after each short time contact or contamination. Available at laboratory specialized trade or at pharmacies / chemist's shops.

#### Eye protection:

Goggles which can be tightly sealed.

### Skin protection:

Suitable protective clothing

## **SECTION 9: Physical and chemical properties**

#### Information on basic physical and chemical properties:

Appearance paste pasty

light beige

Odor characteristic

pH No data available / Not applicable
Initial boiling point No data available / Not applicable
Flash point No data available / Not applicable
Decomposition temperature No data available / Not applicable
Vapour pressure No data available / Not applicable

Density 1,55 g/cm<sup>3</sup>

(23 °C (73.4 °F))

Bulk density
No data available / Not applicable
Viscosity
No data available / Not applicable
Viscosity (kinematic)
No data available / Not applicable
Explosive properties
No data available / Not applicable

Solubility (qualitative) practically insoluble

(20 °C (68 °F); Solvent: Water)

Solidification temperature No data available / Not applicable Melting point No data available / Not applicable Flammability No data available / Not applicable No data available / Not applicable Auto-ignition temperature No data available / Not applicable Explosive limits Partition coefficient: n-octanol/water No data available / Not applicable Evaporation rate No data available / Not applicable Vapor density No data available / Not applicable Oxidising properties No data available / Not applicable

#### Other information:

No data available / Not applicable

## **SECTION 10: Stability and reactivity**

### Reactivity:

Reaction with oxidants. Reaction with strong acids.

### Chemical stability:

Stable under recommended storage conditions.

### Possibility of hazardous reactions:

See section reactivity

## Conditions to avoid:

None if used for intended purpose.

## Incompatible materials:

None if used properly.

### Hazardous decomposition products:

None known

## **SECTION 11: Toxicological information**

### General toxicological information:

The preparation is classified based on the conventional method outlined in Article 6(1)(a) of Directive 1999/45/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following. Persons suffering from allergic reactions to acrylates should avoid contact with the product.

## **SECTION 12: Ecological information**

### General ecological information:

The preparation is classified based on the conventional method outlined in Article 6(1)(a) of Directive 1999/45/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following. Do not empty into drains, soil or bodies of water.

## **Toxicity:**

Hazardous components	Value	Value	Acute	Exposure	Species	Method
CAS-No.	type		Toxicity Study	time		
N,N-Diethylaniline 91-66-7	LC50	16,4 mg/l	Fish	96 h	Pimephales promelas	EPA OPP 72-1 (Fish Acute
N,N-Diethylaniline 91-66-7	EC50	1 - 1,6 mg/l	Daphnia	48 h	Daphnia magna	Toxicity Test) EPA OTS 797.1300 (Aquatic Invertebrate Acute Toxicity Test, Freshwater
N,N-Diethylaniline 91-66-7	EC50	5,6 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	Daphnids)
4-tert-Butylpyrocatechol 98-29-3	EC50	1,4 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

## Persistence and degradability:

Ī	Hazardous components	Result	Route of	Degradability	Method
	CAS-No.		application		
ſ	N,N-Diethylaniline		aerobic	> 90 %	OECD Guideline 301 D (Ready
	91-66-7				Biodegradability: Closed Bottle
					Test)

## Bioaccumulative potential / Mobility in soil:

Hazardous components CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
N,N-Diethylaniline 91-66-7 N,N-Diethylaniline 91-66-7	3,17	17 - 125	56 d	Cyprinus carpio	25 °C	OECD Guideline 107 (Partition Coefficient (noctanol / water), Shake Flask Method)
4-tert-Butylpyrocatechol 98-29-3	2,94					

# **SECTION 13: Disposal considerations**

## Waste treatment methods:

Product disposal:

Dispose of waste and residues in accordance with local authority requirements.

Disposal of uncleaned packages:

Use packages for recycling only when totally empty.

Waste code

08 04 09 waste adhesives and sealants containing organic solvents and other dangerous substances

## **SECTION 14: Transport information**

## Road transport ADR:

Not dangerous goods

## Railroad transport RID:

Not dangerous goods

### **Inland water transport ADN:**

Not dangerous goods

#### **Marine transport IMDG:**

Not dangerous goods

#### Air transport IATA:

Not dangerous goods

## **SECTION 15: Regulatory information**

### Safety, health and environmental regulations/legislation specific for the substance or mixture:

VOC content 0,00 %

(VOCV 814.018 VOC regulation

CH)

## **SECTION 16: Other information**

The labelling of the product is indicated in Section 2. The full text

of all abbreviations indicated by codes in this safety data sheet are as follows:

R21/22 Harmful in contact with skin and if swallowed.

R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

R33 Danger of cumulative effects.

R34 Causes burns.

R36/37/38 Irritating to eyes, respiratory system and skin.

R51 Toxic to aquatic organisms.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R53 May cause long-term adverse effects in the aquatic environment.

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

### **Further information:**

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

# Safety Data Sheet according to (EC) No 1907/2006 - ISO 11014-1

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## MKT injection adhesive VMZ

V002.0 Revision: 19.07.2011 printing date: 13.09.2011

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

#### Product identifier:

MKT injection adhesive VMZ, Comp. B

### Relevant identified uses of the substance or mixture and uses advised against:

Intended use: compound mortar

## Company name:

MKT Metall-Kunststoff-Technik GmbH & Co. KG

Auf dem Immel 2

D-67685 Weilerbach

Phone: +49 (0) 6374/9116-0

E-Mail: Responsible for the safety data sheet: mkt@mkt-duebel.de

## **SECTION 2: Hazards identification**

#### Classification of the substance or mixture:

### Classification (DPD):

Sensitizing

R43 May cause sensitisation by skin contact.

## Label elements (DPD):

Xi - Irritant



## Risk phrases:

R43 May cause sensitisation by skin contact.

### Safety phrases:

S2 Keep out of the reach of children.

S3/7 Keep container tightly closed in a cool place.

S14 Keep away from dirt, rust, alkalis, acids and accelerators.

S24/25 Avoid contact with skin and eyes.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S46 If swallowed, seek medical advice immediately and show this container or label.

#### Contains:

Dibenzoyl peroxide

### Other hazards:

Persons suffering from allergic reactions to peroxides should avoid contact with the product.

## **SECTION 3: Composition/information on ingredients**

#### General chemical description:

Hardener

### Base substances of preparation:

Dibenzoyl peroxide Inorganic fillers

#### Declaration of the ingredients according to CLP (EC) No 1272/2008:

Hazardous components	EINECS	content	Classification
CAS-No.	REACH-Reg No.		
Dibenzoyl peroxide	202-327-6	>= 10-< 20 %	Organic peroxides B
94-36-0			H241
			Serious eye irritation 2
			H319
			Skin sensitizer 1
			H317

Only dangerous ingredients for which a CLP classification is already available are displayed in this table. For full text of the H - statements and other abbreviations see section 16 "Other information". Substances without classification may have community workplace exposure limits available.

Declaration of ingredients according to DPD (EC) No 1999/45:

Hazardous components	EINECS	content	Classification
CAS-No.	REACH-Reg No.		
Dibenzoyl peroxide	202-327-6	>= 10 - < 20 %	E - Explosive; R3
94-36-0			Xi - Irritant; R36
			O - Oxidizing; R7
			R43

For full text of the R-Phrases indicated by codes see section 16 'Other Information'. Substances without classification may have community workplace exposure limits available.

## **SECTION 4: First aid measures**

## Description of first aid measures:

General information:

In case of adverse health effects seek medical advice.

Inhalation:

Move to fresh air, consult doctor if complaint persists.

Skin contact:

Rinse with running water and soap. Apply replenishing cream. Change all contaminated clothing. If necessary, see a dermatologist.

Eye contact:

Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

Ingestion:

Rinse the mouth. Drink 1-2 glasses of water.

Most important symptoms and effects, both acute and delayed:

SKIN: Rash, Urticaria.

## Indication of any immediate medical attention and special treatment needed:

See section: Description of first aid measures

## **SECTION 5: Firefighting measures**

### **Extinguishing media:**

## Suitable extinguishing media:

powder

Carbon dioxide.

water spray jet

Fine water spray

### Extinguishing media which must not be used for safety reasons:

foam

High pressure waterjet

#### Special hazards arising from the substance or mixture:

In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO2) can be released.

#### Advice for firefighters:

Wear self-contained breathing apparatus.

Wear protective equipment.

### Additional information:

Dispose of combustion residues and contaminated fire-fighting water in accordance with statutory regulations.

## **SECTION 6: Accidental release measures**

## Personal precautions, protective equipment and emergency procedures:

Avoid contact with skin and eyes.

Ensure adequate ventilation.

Wear protective equipment.

Danger of slipping on spilled product.

### **Environmental precautions:**

Do not empty into drains / surface water / ground water.

## Methods and material for containment and cleaning up:

Remove mechanically.

Dispose of contaminated material as waste according to Chapter 13.

## Reference to other sections:

See advice in chapter 8

## **SECTION 7: Handling and storage**

#### Precautions for safe handling:

Avoid skin and eye contact.

Throw out sparks on burning.

#### Hygiene measures:

Do not eat, drink or smoke while working.

Wash hands before work breaks and after finishing work.

## Conditions for safe storage, including any incompatibilities:

Store in sealed original container protected against moisture.

Store in a cool place in closed original container.

Store in a cool, dry place.

Storage at 5 to 25°C is recommended.

store in dark

Do not store together with food or other consumables (coffee, tea, tobacco, etc.).

Do not store together with highly flammable substances (F or F+).

#### Specific end use(s):

compound mortar

## **SECTION 8: Exposure controls/personal protection**

### **Control parameters:**

Valid for

Great Britain

Ingredient	ppm	mg/m <sup>3</sup>	Type	Category	Remarks
GLYCEROL, MIST		10	Time Weighted Average		EH40 WEL
56-81-5			(TWA):		

### **Exposure controls:**

Respiratory protection:

Suitable breathing mask when there is inadequate ventilation.

Filter: A - P2

Hand protection:

Recommended are gloves made from Nitril rubber (Material thickness >0,1 mm, Perforation time < 30s). Gloves should be replaced after each short time contact or contamination. Available at laboratory specialized trade or at pharmacies / chemist's shops.

Eye protection:

Goggles which can be tightly sealed.

Skin protection:

Odor

Suitable protective clothing

## **SECTION 9: Physical and chemical properties**

### Information on basic physical and chemical properties:

Appearance paste paste

black

characteristic

рH No data available / Not applicable Initial boiling point No data available / Not applicable Flash point 116 °C (240.8 °F); no method Decomposition temperature No data available / Not applicable Vapour pressure No data available / Not applicable Density No data available / Not applicable Bulk density No data available / Not applicable Viscosity No data available / Not applicable Viscosity (kinematic) No data available / Not applicable Explosive properties No data available / Not applicable

Solubility (qualitative) Insoluble

(20 °C (68 °F); Solvent: Water)

Solidification temperature No data available / Not applicable Melting point No data available / Not applicable Flammability No data available / Not applicable No data available / Not applicable Auto-ignition temperature No data available / Not applicable Explosive limits Partition coefficient: n-octanol/water No data available / Not applicable No data available / Not applicable Evaporation rate Vapor density No data available / Not applicable Oxidising properties No data available / Not applicable

#### Other information:

No data available / Not applicable

## **SECTION 10: Stability and reactivity**

### Reactivity:

Reaction with oxidants.

#### Chemical stability:

Stable under recommended storage conditions.

## Possibility of hazardous reactions:

See section reactivity

## Conditions to avoid:

Temperatures over appr. 80 °C

### **Incompatible materials:**

None if used properly.

#### **Hazardous decomposition products:**

None known

## **SECTION 11: Toxicological information**

### General toxicological information:

The preparation is classified based on the conventional method outlined in Article 6(1)(a) of Directive 1999/45/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following. Persons suffering from allergic reactions to peroxides should avoid contact with the product.

### Eye irritation:

Primary eye irritation: slightly irritating, does not require labeling

#### Sensitizing

May cause sensitization by skin contact.

## **SECTION 12: Ecological information**

## General ecological information:

The preparation is classified based on the conventional method outlined in Article 6(1)(a) of Directive 1999/45/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following. Do not empty into drains, soil or bodies of water.

## Toxicity:

Hazardous components	Value	Value	Acute	Exposure	Species	Method
CAS-No.	type		Toxicity	time		
			Study			
Dibenzoyl peroxide	LC50	2 mg/l	Fish	96 h	Poecilia reticulata	OECD Guideline
94-36-0						203 (Fish, Acute
						Toxicity Test)
Dibenzoyl peroxide	EC50	2,91 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline
94-36-0						202 (Daphnia sp.
						Acute
						Immobilisation
						Test)

### Persistence and degradability:

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Dibenzoyl peroxide	readily biodegradable		> 60 %	OECD Guideline 301 D (Ready
94-36-0				Biodegradability: Closed Bottle
				Test)

## Bioaccumulative potential / Mobility in soil:

Ha	zardous components CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
1	Dibenzoyl peroxide 94-36-0	3,46	, ,				

## **SECTION 13: Disposal considerations**

## Waste treatment methods:

Product disposal:

Dispose of waste and residues in accordance with local authority requirements.

Disposal of uncleaned packages:

Use packages for recycling only when totally empty.

Waste code

08 04 09 Waste adhesives and sealants containing organic solvents or other dangerous substances

## **SECTION 14: Transport information**

## **General information:**

Not hazardous according to RID, ADR, ADNR, IMDG, IATA-DGR.

## **SECTION 15: Regulatory information**

Safety, health and environmental regulations/legislation specific for the substance or mixture:

VOC content 0,0 (VOCV 814.018 VOC regulation CH)

## **SECTION 16: Other information**

The labelling of the product is indicated in Section 2. The full text

of all abbreviations indicated by codes in this safety data sheet are as follows:

R3 Extreme risk of explosion by shock, friction, fire or other sources of ignition.

R36 Irritating to eyes.

R43 May cause sensitisation by skin contact.

R7 May cause fire.

H241 Heating may cause a fire or explosion.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

### **Further information:**

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

# Safety Data Sheet according to (EC) No 1907/2006 - ISO 11014-1

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V003.0

Revision: 04.11.2011 printing date: 04.06.2012

## MKT injection adhesive VMZ express

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

#### Product identifier:

MKT injection adhesive VMZ express, Comp. A

#### Relevant identified uses of the substance or mixture and uses advised against:

Intended use: compound mortar

### Company name:

MKT Metall-Kunststoff-Technik GmbH & Co. KG

Auf dem Immel 2

D-67685 Weilerbach

Phone: +49 (0) 6374/9116-0

E-Mail: Responsible for the safety data sheet: mkt@mkt.de

#### **Emergency information:**

Advisory office in case of poisoning: +49 (0) 89/19240 (Munich)

## **SECTION 2: Hazards identification**

#### Classification of the substance or mixture:

#### **Classification (DPD):**

Dangerous for the environment

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### Label elements (DPD):

Risk phrases:

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## Safety phrases:

S2 Keep out of the reach of children.

S46 If swallowed, seek medical advice immediately and show this container or label.

S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

#### Other hazards:

Persons suffering from allergic reactions to acrylates should avoid contact with the product.

## **SECTION 3: Composition/information on ingredients**

### General chemical description:

Resin

### **Base substances of preparation:**

Inorganic fillers Methacrylates

### Declaration of the ingredients according to CLP (EC) No 1272/2008:

Hazardous components	EINECS	content	Classification
CAS-No.	REACH-Reg No.		
Hexanediol dimethacrylate	229-551-7	< 10 %	Specific target organ toxicity - single
6606-59-3			exposure 3
			H335
			Serious eye irritation 2
			H319
			Skin irritation 2
			H315
N,N-Diethylaniline	202-088-8	< 0,5 %	Acute toxicity 3; Oral
91-66-7			H301
			Acute toxicity 3; Inhalation
			H331
			Acute toxicity 3; Dermal
			H311
			Specific target organ toxicity - repeated
			exposure 2
			H373
			Chronic hazards to the aquatic environment 2
			H411

Only dangerous ingredients for which a CLP classification is already available are displayed in this table. For full text of the H - statements and other abbreviations see section 16 "Other information". Substances without classification may have community workplace exposure limits available.

## Declaration of ingredients according to DPD (EC) No 1999/45:

Hazardous components	EINECS	content	Classification
CAS-No.	REACH-Reg No.		
Hexanediol dimethacrylate	229-551-7	< 10 %	Xi - Irritant; R36/37/38
6606-59-3			N - Dangerous for the environment; R51/53
N,N-Diethylaniline	202-088-8	< 0,5 %	T - Toxic; R23/24/25
91-66-7			R33
			N - Dangerous for the environment; R51/53
4-tert-Butylpyrocatechol	202-653-9	< 1 %	C - Corrosive; R34
98-29-3			Xn - Harmful; R21/22
			N - Dangerous for the environment; R51/53

For full text of the R-Phrases indicated by codes see section 16 'Other Information'. Substances without classification may have community workplace exposure limits available.

## **SECTION 4: First aid measures**

## Description of first aid measures:

General information:

In case of adverse health effects seek medical advice.

Inhalation:

Move to fresh air, consult doctor if complaint persists.

Skin contact:

Rinse with running water and soap. Skin care. Remove contaminated clothes immediately.

Eye contact:

Rinse immediately with plenty of running water, seek medical advice if necessary.

Ingestion:

Rinse mouth and throat. Drink 1-2 glasses of water. Seek medical advice.

Most important symptoms and effects, both acute and delayed:

No data available.

### Indication of any immediate medical attention and special treatment needed:

See section: Description of first aid measures

## **SECTION 5: Firefighting measures**

### **Extinguishing media:**

### Suitable extinguishing media:

carbon dioxide powder Fine water spray water spray jet

#### Extinguishing media which must not be used for safety reasons:

High pressure waterjet foam

### Special hazards arising from the substance or mixture:

In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO2) can be released.

### Advice for firefighters:

Wear self-contained breathing apparatus.

Wear protective equipment.

## **SECTION 6: Accidental release measures**

#### Personal precautions, protective equipment and emergency procedures:

Avoid contact with eyes.

Ensure adequate ventilation.

Wear protective equipment.

Danger of slipping on spilled product.

### **Environmental precautions:**

Do not empty into drains / surface water / ground water.

### Methods and material for containment and cleaning up:

Remove mechanically.

Dispose of contaminated material as waste according to Chapter 13.

### Reference to other sections:

See advice in chapter 8

## **SECTION 7: Handling and storage**

## Precautions for safe handling:

Avoid skin and eye contact.

Ensure that workrooms are adequately ventilated.

## Hygiene measures:

Do not eat, drink or smoke while working.

Wash hands before work breaks and after finishing work.

#### Conditions for safe storage, including any incompatibilities:

Store in sealed original container protected against moisture.

Store in a cool, dry place.

Storage at 5 to 25°C is recommended.

Keep container in a well ventilated place.

Do not store together with food or other consumables (coffee, tea, tobacco, etc.).

### **Specific end use(s):**

compound mortar

## **SECTION 8: Exposure controls/personal protection**

### **Control parameters:**

Valid for

Great Britain

None

#### **Exposure controls:**

Respiratory protection:

When processing large amounts.

Suitable breathing mask when there is inadequate ventilation.

Filter: A - P2

### Hand protection:

Recommended are gloves made from Nitril rubber (Material thickness >0,1 mm, Perforation time < 30s). Gloves should be replaced after each short time contact or contamination. Available at laboratory specialized trade or at pharmacies / chemist's shops.

Eye protection:

Goggles which can be tightly sealed.

Skin protection:

Suitable protective clothing

## **SECTION 9: Physical and chemical properties**

### Information on basic physical and chemical properties:

Appearance paste

pasty light beige

Odor characteristic

pH No data available / Not applicable
Initial boiling point No data available / Not applicable
Flash point No data available / Not applicable
Decomposition temperature No data available / Not applicable
Vapour pressure No data available / Not applicable

Density 1,55 g/cm<sup>3</sup>

(23 °C (73.4 °F))

Bulk density

No data available / Not applicable
Viscosity

No data available / Not applicable
Viscosity (kinematic)

No data available / Not applicable
Explosive properties

No data available / Not applicable

Solubility (qualitative) practically insoluble

(20 °C (68 °F); Solvent: Water)

Solidification temperature No data available / Not applicable No data available / Not applicable Melting point Flammability No data available / Not applicable Auto-ignition temperature No data available / Not applicable Explosive limits No data available / Not applicable Partition coefficient: n-octanol/water No data available / Not applicable No data available / Not applicable Evaporation rate No data available / Not applicable Vapor density Oxidising properties No data available / Not applicable

### Other information:

No data available / Not applicable

## **SECTION 10: Stability and reactivity**

#### Reactivity:

Reaction with oxidants. Reaction with strong acids.

### Chemical stability:

Stable under recommended storage conditions.

### Possibility of hazardous reactions:

See section reactivity

## Conditions to avoid:

None if used for intended purpose.

### **Incompatible materials:**

None if used properly.

### Hazardous decomposition products:

None known

## **SECTION 11: Toxicological information**

### General toxicological information:

The preparation is classified based on the conventional method outlined in Article 6(1)(a) of Directive 1999/45/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following. Persons suffering from allergic reactions to acrylates should avoid contact with the product.

## **SECTION 12: Ecological information**

### General ecological information:

The preparation is classified based on the conventional method outlined in Article 6(1)(a) of Directive 1999/45/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

Do not empty into drains, soil or bodies of water.

Harmful to aquatic organisms.

May cause long-term adverse effects in the aquatic environment.

### **Toxicity:**

Hazardous components CAS-No.	Value type	Value	Acute Toxicity	Exposure time	Species	Method
0125 1107	0, pc		Study			
N,N-Diethylaniline	LC50	16,4 mg/l	Fish	96 h	Pimephales promelas	EPA OPP 72-1
91-66-7						(Fish Acute
	Į l			ļ		Toxicity Test)
N,N-Diethylaniline	EC50	1 - 1,6 mg/l	Daphnia	48 h	Daphnia magna	EPA OTS
91-66-7						797.1300 (Aquatic
						Invertebrate Acute
						Toxicity Test,
						Freshwater
				J		Daphnids)
N,N-Diethylaniline	EC50	5,6 mg/l	Algae	72 h	Scenedesmus subspicatus (new	
91-66-7					name: Desmodesmus	
				ļ	subspicatus)	
4-tert-Butylpyrocatechol	EC50	1,4 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline
98-29-3						202 (Daphnia sp.
						Acute
						Immobilisation
						Test)

## Persistence and degradability:

Hazardous components	Result	Route of	Degradability	Method
CAS-No.		application		
N,N-Diethylaniline		aerobic	> 90 %	OECD Guideline 301 D (Ready
91-66-7				Biodegradability: Closed Bottle
				Test)

### Bioaccumulative potential / Mobility in soil:

	Hazardous components	LogKow	Bioconcentration	Exposure	Species	Temperature	Method
	CAS-No.		factor (BCF)	time			
	N,N-Diethylaniline 91-66-7 N,N-Diethylaniline 91-66-7	3,17	17 - 125	56 d	Cyprinus carpio	25 °C	OECD Guideline 107 (Partition Coefficient (noctanol / water), Shake Flask Method)
•	4-tert-Butylpyrocatechol 98-29-3	2,94					ŕ

## **SECTION 13: Disposal considerations**

### Waste treatment methods:

Product disposal:

Dispose of waste and residues in accordance with local authority requirements.

Disposal of uncleaned packages:

Use packages for recycling only when totally empty.

Waste code

08 04 09 waste adhesives and sealants containing organic solvents and other dangerous substances

## **SECTION 14: Transport information**

### Road transport ADR:

Not dangerous goods

### Railroad transport RID:

Not dangerous goods

## Inland water transport ADN:

Not dangerous goods

## **Marine transport IMDG:**

Not dangerous goods

### Air transport IATA:

Not dangerous goods

## **SECTION 15: Regulatory information**

Safety, health and environmental regulations/legislation specific for the substance or mixture: 0,00 %

VOC content

(VOCV 814.018 VOC regulation

CH)

## **SECTION 16: Other information**

The labelling of the product is indicated in Section 2. The full text

of all abbreviations indicated by codes in this safety data sheet are as follows:

R21/22 Harmful in contact with skin and if swallowed.

R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

R33 Danger of cumulative effects.

R34 Causes burns.

R36/37/38 Irritating to eyes, respiratory system and skin.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

#### **Further information:**

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

# Safety Data Sheet according to (EC) No 1907/2006 - ISO 11014-1

Page 1 of 8

V003.0

Revision: 04.11.2011 printing date: 04.06.2012

## MKT injection adhesive VMZ express

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

#### **Product identifier:**

MKT injection adhesive VMZ express, Comp. B

## Relevant identified uses of the substance or mixture and uses advised against:

Intended use: compound mortar

## Company name:

MKT Metall-Kunststoff-Technik GmbH & Co. KG

Auf dem Immel 2

D-67685 Weilerbach

Phone: +49 (0) 6374/9116-0

E-Mail: Responsible for the safety data sheet: mkt@mkt.de

#### **Emergency information:**

Advisory office in case of poisoning: +49 (0) 89/19240 (Munich)

## **SECTION 2: Hazards identification**

### Classification of the substance or mixture:

### Classification (DPD):

Sensitizing

R43 May cause sensitisation by skin contact.

#### Label elements (DPD):

#### Xi - Irritant



## Risk phrases:

R43 May cause sensitisation by skin contact.

#### Safety phrases:

S2 Keep out of the reach of children.

S3/7 Keep container tightly closed in a cool place.

S14 Keep away from dirt, rust, alkalis, acids and accelerators.

S24/25 Avoid contact with skin and eyes.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S46 If swallowed, seek medical advice immediately and show this container or label.

## Contains:

Dibenzoyl peroxide

### Other hazards:

Persons suffering from allergic reactions to peroxides should avoid contact with the product.

## **SECTION 3: Composition/information on ingredients**

#### General chemical description:

Hardener

### Base substances of preparation:

Dibenzoyl peroxide Inorganic fillers

## Declaration of the ingredients according to CLP (EC) No 1272/2008:

Hazardous components	EINECS	content	Classification
CAS-No.	REACH-Reg No.		
Dibenzoyl peroxide 94-36-0	202-327-6	>= 10-< 20 %	Organic peroxides B H241
			Serious eye irritation 2 H319
			Skin sensitizer 1 H317

Only dangerous ingredients for which a CLP classification is already available are displayed in this table. For full text of the H - statements and other abbreviations see section 16 "Other information". Substances without classification may have community workplace exposure limits available.

### Declaration of ingredients according to DPD (EC) No 1999/45:

Hazardous components	EINECS	content	Classification
CAS-No.	REACH-Reg No.		
Dibenzoyl peroxide	202-327-6	> 10 - < 20 %	E - Explosive; R3
94-36-0			Xi - Irritant; R36
			O - Oxidizing; R7
			R43
2-ethylhexyl benzoate	226-641-8	< 5 %	R53
5444-75-7			
Oxydipropyl dibenzoate	248-258-5	< 2,5 %	N - Dangerous for the environment; R51/53
27138-31-4			-

For full text of the R-Phrases indicated by codes see section 16 'Other Information'. Substances without classification may have community workplace exposure limits available.

## **SECTION 4: First aid measures**

## Description of first aid measures:

General information:

In case of adverse health effects seek medical advice.

Inhalation:

Move to fresh air, consult doctor if complaint persists.

Skin contact:

Rinse with running water and soap. Apply replenishing cream. Change all contaminated clothing. If necessary, see a dermatologist.

Eve contact

Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

Ingestion:

Rinse the mouth. Drink 1-2 glasses of water.

Most important symptoms and effects, both acute and delayed:

SKIN: Rash, Urticaria.

#### Indication of any immediate medical attention and special treatment needed:

See section: Description of first aid measures

## **SECTION 5: Firefighting measures**

#### Extinguishing media:

#### Suitable extinguishing media:

powder

Carbon dioxide.

water spray jet

Fine water spray

#### Extinguishing media which must not be used for safety reasons:

foam

High pressure waterjet

### Special hazards arising from the substance or mixture:

In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO2) can be released.

#### Advice for firefighters:

Wear self-contained breathing apparatus.

Wear protective equipment.

#### **Additional information:**

Dispose of combustion residues and contaminated fire-fighting water in accordance with statutory regulations.

### **SECTION 6: Accidental release measures**

### Personal precautions, protective equipment and emergency procedures:

Avoid contact with skin and eyes.

Ensure adequate ventilation.

Wear protective equipment.

Danger of slipping on spilled product.

### **Environmental precautions:**

Do not empty into drains / surface water / ground water.

### Methods and material for containment and cleaning up:

Remove mechanically.

Dispose of contaminated material as waste according to Chapter 13.

#### Reference to other sections:

See advice in chapter 8

## **SECTION 7: Handling and storage**

## Precautions for safe handling:

Avoid skin and eye contact.

Throw out sparks on burning.

### Hygiene measures:

Do not eat, drink or smoke while working.

Wash hands before work breaks and after finishing work.

### Conditions for safe storage, including any incompatibilities:

Store in sealed original container protected against moisture.

Store in a cool place in closed original container.

Store in a cool, dry place.

Storage at 5 to 25°C is recommended.

store in dark

Do not store together with food or other consumables (coffee, tea, tobacco, etc.).

Do not store together with highly flammable substances (F or F+).

#### Specific end use(s):

compound mortar

## **SECTION 8: Exposure controls/personal protection**

## **Control parameters:**

Valid for

Great Britain

Ingredient	ppm	mg/m <sup>3</sup>	Type	Category	Remarks
GLYCEROL, MIST		10	Time Weighted Average		EH40 WEL
56-81-5			(TWA):		

### **Exposure controls:**

Respiratory protection:

Suitable breathing mask when there is inadequate ventilation.

Filter: A - P2

Hand protection:

Recommended are gloves made from Nitril rubber (Material thickness >0,1 mm, Perforation time < 30s). Gloves should be replaced after each short time contact or contamination. Available at laboratory specialized trade or at pharmacies / chemist's shops.

Eye protection:

Goggles which can be tightly sealed.

Skin protection:

Suitable protective clothing

## **SECTION 9: Physical and chemical properties**

## Information on basic physical and chemical properties:

Appearance paste

black

Odor characteristic

No data available / Not applicable pΗ Initial boiling point No data available / Not applicable 116 °C (240.8 °F); no method Flash point No data available / Not applicable Decomposition temperature Vapour pressure No data available / Not applicable No data available / Not applicable Density No data available / Not applicable Bulk density Viscosity No data available / Not applicable Viscosity (kinematic) No data available / Not applicable No data available / Not applicable Explosive properties

Solubility (qualitative) Insoluble

(20 °C (68 °F); Solvent: Water)

Solidification temperature No data available / Not applicable Melting point No data available / Not applicable No data available / Not applicable Flammability Auto-ignition temperature No data available / Not applicable **Explosive limits** No data available / Not applicable No data available / Not applicable Partition coefficient: n-octanol/water Evaporation rate No data available / Not applicable Vapor density No data available / Not applicable Oxidising properties No data available / Not applicable

#### Other information:

No data available / Not applicable

## **SECTION 10: Stability and reactivity**

### Reactivity:

Reaction with oxidants.

#### Chemical stability:

Stable under recommended storage conditions.

### Possibility of hazardous reactions:

See section reactivity

## Conditions to avoid:

Temperatures over appr. 80  $^{\circ}\text{C}$ 

### **Incompatible materials:**

None if used properly.

#### Hazardous decomposition products:

None known

## **SECTION 11: Toxicological information**

### General toxicological information:

The preparation is classified based on the conventional method outlined in Article 6(1)(a) of Directive 1999/45/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following. Persons suffering from allergic reactions to peroxides should avoid contact with the product.

## Eye irritation:

Primary eye irritation: slightly irritating, does not require labeling

## Sensitizing:

May cause sensitization by skin contact.

## Acute toxicity:

Hazardous components	Value	Value	Route of	Exposure	Species	Method
CAS-No.	type		application	time		
Oxydipropyl dibenzoate	LD50	3.914 mg/kg	oral		rat	OECD Guideline 401 (Acute
27138-31-4	LC50	> 200 mg/l	inhalation	4 h	rat	Oral Toxicity)
	LD50	> 2.000 mg/kg	dermal		rat	OECD Guideline 402 (Acute
						Dermal Toxicity)

## Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Oxydipropyl dibenzoate 27138-31-4	not irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

## Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Oxydipropyl dibenzoate 27138-31-4	slightly irritating			OECD Guideline 405 (Acute Eye Irritation / Corrosion)

## Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
Oxydipropyl dibenzoate 27138-31-4	not sensitising		guinea pig	OECD Guideline 406 (Skin Sensitisation)

## Germ cell mutagenicity:

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Oxydipropyl dibenzoate 27138-31-4	negative negative negative	in vitro mammalian chromosome aberration test bacterial reverse mutation assay (e.g Ames test) mammalian cell gene mutation assay	with and without with and without		OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test) OECD Guideline 471 (Bacterial Reverse Mutation Assay) OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)

## Repeated dose toxicity

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
Oxydipropyl dibenzoate 27138-31-4	NOAEL=> 1000 mg/kg	oral: feed	90 days daily		OECD Guideline 408 (Repeated Dose 90-Day Oral
					Toxicity in Rodents)

# **SECTION 12: Ecological information**

## General ecological information:

The preparation is classified based on the conventional method outlined in Article 6(1)(a) of Directive 1999/45/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following. Do not empty into drains, soil or bodies of water.

## Toxicity:

Hazardous components	Value	Value	Acute	Exposure	Species	Method
CAS-No.	type		Toxicity	time		
			Study			
Dibenzoyl peroxide	LC50	2 mg/l	Fish	96 h	Poecilia reticulata	OECD Guideline
94-36-0						203 (Fish, Acute
				ļ		Toxicity Test)
Dibenzoyl peroxide	EC50	2,91 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline
94-36-0						202 (Daphnia sp.
						Acute
						Immobilisation
				]		Test)
Oxydipropyl dibenzoate	LC50	3,7 mg/l	Fish	96 h	Pimephales promelas	OECD Guideline
27138-31-4						203 (Fish, Acute
				ļ		Toxicity Test)
Oxydipropyl dibenzoate	EC50	19,3 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline
27138-31-4						202 (Daphnia sp.
						Acute
						Immobilisation
				J		Test)
Oxydipropyl dibenzoate	EC50	15 mg/l	Algae	72 h	Selenastrum capricornutum	OECD Guideline
27138-31-4					(new name: Pseudokirchnerella	
					subcapitata)	Inhibition Test)

## Persistence and degradability:

Hazardous components	Result	Route of	Degradability	Method
CAS-No.		application		

Dibenzoyl peroxide 94-36-0	readily biodegradable		> 60 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
Oxydipropyl dibenzoate	readily biodegradable	aerobic	87 %	OECD Guideline 301 B (Ready
27138-31-4				Biodegradability: CO2 Evolution
				Test)

### Bioaccumulative potential / Mobility in soil:

Hazardous components CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
Dibenzoyl peroxide 94-36-0	3,46					
2-ethylhexyl benzoate 5444-75-7	5,19					
Oxydipropyl dibenzoate 27138-31-4	3,9					OECD Guideline 117 (Partition Coefficient (noctanol / water), HPLC Method)

## **SECTION 13: Disposal considerations**

## Waste treatment methods:

Product disposal:

Dispose of waste and residues in accordance with local authority requirements.

Disposal of uncleaned packages:

Use packages for recycling only when totally empty.

Waste code

08 04 09 Waste adhesives and sealants containing organic solvents or other dangerous substances

## **SECTION 14: Transport information**

## General information:

Not hazardous according to RID, ADR, ADNR, IMDG, IATA-DGR.

## **SECTION 15: Regulatory information**

Safety, health and environmental regulations/legislation specific for the substance or mixture:

VOC content 0,0 %

(VOCV 814.018 VOC regulation

CH)

## **SECTION 16: Other information**

The labelling of the product is indicated in Section 2. The full text

of all abbreviations indicated by codes in this safety data sheet are as follows:

R3 Extreme risk of explosion by shock, friction, fire or other sources of ignition.

R36 Irritating to eyes.

R43 May cause sensitisation by skin contact.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R53 May cause long-term adverse effects in the aquatic environment.

R7 May cause fire.

H241 Heating may cause a fire or explosion.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

## **Further information:**

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.