



Mungo Befestigungstechnik AG
4603 Olten

Date printed 23.04.2013, Revision 11.04.2013

Version 01

Page 1 / 9

SECTION 1: Identification of the substance / preparation and of the company

1.1 Product identifier

Mungo MIT-SP, Comp. A

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

1.2.1 Relevant uses

Mounting material

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company

Mungo Befestigungstechnik AG

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4603 Olten / SWITZERLAND
Phone + 41 62 2067575
Fax + 41 62 2067585
Homepage www.mungo.ch
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Technical information

mungo@mungo.ch

Safety Data Sheet

sdb@chemiebuero.de

1.4 Emergency phone

Company

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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Hazard pictograms



Signal word

WARNING

Eye Irrit. 2 - H319 Causes serious eye irritation.
Skin Irrit. 2 - H315 Causes skin irritation.
Skin Sens. 1 - H317 May cause an allergic skin reaction.
Aquatic Chronic 3 - H412 Harmful to aquatic life with long lasting effects.

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

Hazard symbols



Irritant

R-phrases

R 43: May cause sensitisation by skin contact.
R 52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Mungo Befestigungstechnik AG
4603 Olten

Date printed 23.04.2013, Revision 11.04.2013

Version 01

Page 2 / 9

2.2 Label elements

Labelling according to Regulation (EC) 1272/2008

Hazard pictograms



Signal word

WARNING

Contains:

2-Hydroxyethyl methacrylate

Ethylene dimethacrylate

Methacrylic acid, monoester with Propan-1,2-diole

Hazard statements

H319 Causes serious eye irritation.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.

P280 Wear protective gloves/eye protection/face protection.

P363 Wash contaminated clothing before reuse.

P501 Dispose of contents/container to in accordance with local/regional/national/international regulation.

2.3 Other hazards

Environmental hazards

Does not contain any PBT or vPvB substances.

Other hazards

Further hazards were not determined with the current level of knowledge.

SECTION 3: Composition / Information on ingredients

3.1 Product-type:

The product is a mixture.

Range [%]	Substance
5 - <15	2-Hydroxyethyl methacrylate
	CAS: 868-77-9, EINECS/ELINCS: 212-782-2, EU-INDEX: 607-124-00-X
	GHS/CLP: Eye Irrit. 2 - H319 - Skin Irrit. 2 - H315 - Skin Sens. 1 - H317
	EEC: Xi, R 36/38-43
1 - <10	Vinyltoluene
	CAS: 25013-15-4, EINECS/ELINCS: 246-562-2
	GHS/CLP: Flam. Liq. 3 - H226 - Acute Tox. 4 - H332 - Eye Irrit. 2 - H319 - Asp. Tox. 1 - H304 - Skin Irrit. 2 - H315 - Aquatic Chronic 2 - H411
	EEC: Xn-N, R 10-20-36/38-65-51/53
1 - <5	Ethylene dimethacrylate
	CAS: 97-90-5, EINECS/ELINCS: 202-617-2, EU-INDEX: 607-114-00-5
	GHS/CLP: STOT SE 3 - H335 - Skin Sens. 1 - H317
	EEC: Xi, R 37-43
1 - <5	Methacrylic acid, monoester with Propan-1,2-diole
	CAS: 27813-02-1, EINECS/ELINCS: 248-666-3
	GHS/CLP: Eye Irrit. 2 - H319 - Skin Sens. 1 - H317
	EEC: Xi, R 36-43
0,1 - <1	1,1'-(p-Tolylimino)dipropen-2-ol
	CAS: 38668-48-3, EINECS/ELINCS: 254-075-1
	GHS/CLP: Acute Tox. 3 - H301 - Eye Dam. 1 - H318 - Aquatic Chronic 3 - H412
	EEC: T, R 25-41-52/53

Comment on component parts

Substances of Very High Concern - SVHC: substances are not contained or are below 0,1%.
For full text of H-statements and R-phrases: see SECTION 16.



Mungo Befestigungstechnik AG
4603 Olten

Date printed 23.04.2013, Revision 11.04.2013

Version 01

Page 3 / 9

SECTION 4: First aid measures

4.1 Description of first aid measures

General information	Change soaked clothing immediately.
Inhalation	Ensure supply of fresh air. 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	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	Supply with medical care. Rinse out mouth and give plenty of water to drink.

4.2 Most important symptoms and effects, both acute and delayed

Irritant effects
Allergic reactions

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media	foam, dry powder, water spray jet, carbon dioxide
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.
Carbon monoxide (CO)

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 within the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.
Use personal protective equipment.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Take up mechanically.
Take up residues with absorbent material (e.g. sand, sawdust, generalpurpose binder, diatomaceous earth).
Dispose of absorbed material in accordance within the regulations.

6.4 Reference to other sections

See SECTION 8+13



Mungo Befestigungstechnik AG
4603 Olten

Date printed 23.04.2013, Revision 11.04.2013

Version 01

Page 4 / 9

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use only in well-ventilated areas.

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

Wash hands before breaks and after work.

Use barrier skin cream.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.

Do not store together with food and animal food/diet.

Keep container in a well-ventilated place.

Keep container tightly closed.

Keep in a cool place. Store in a dry place.

Protect from atmospheric moisture and water.

Recommended storage temperature: 5 - 25 °C

7.3 Specific end use(s)

See product use, SECTION 1.2

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational
exposure limits to be monitored (GB)

Range [%]	Substance
40 - <60	Quartz (< 10µm)
	CAS: 14808-60-7, EINECS/ELINCS: 238-878-4
	Long-term exposure: 0,15 mg/m³, HSE, NIOSH, OSHA
1 - <10	Vinyltoluene
	CAS: 25013-15-4, EINECS/ELINCS: 246-562-2
	Long-term exposure: 100 ppm, 491 mg/m³
	Short-term exposure (15-minute): 150 ppm, 736 mg/m³

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.
Nitrile rubber, >480 min (EN 374).

Skin protection Protective clothing.

Other Avoid contact with eyes and skin.
Do not inhale gases/vapours/aerosols.
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.

Respiratory protection If ventilation insufficient, wear respiratory protection.
Short term: filter apparatus, combination filter A-P2.

Thermal hazards not applicable

Delimitation and monitoring of the environmental exposition See SECTION 6+7.



Mungo Befestigungstechnik AG
4603 Olten

Date printed 23.04.2013, Revision 11.04.2013

Version 01

Page 5 / 9

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	pasty
Color	light beige
Odor	characteristic
Odour threshold	not determined
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point [°C]	not determined
Flash point [°C]	not applicable
Flammability [°C]	not determined
Lower explosion limit	0,9 Vol.-%
Upper explosion limit	9,5 Vol.-%
Oxidizing properties	not determined
Vapour pressure/gas pressure [kPa]	not determined
Density [g/ml]	not determined
Bulk density [kg/m³]	not applicable
Solubility in water	insoluble
Partition coefficient [n-octanol/water]	not determined
Viscosity	not determined
Relative vapour density determined in air	not determined
Evaporation speed	not determined
Melting point [°C]	not determined
Autoignition temperature [°C]	not determined
Decomposition temperature	not determined

9.2 Other information

No information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

See SECTION 10.3.

10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

Reactions with oxidizing agents.

Reactions with acids.

10.4 Conditions to avoid

See SECTION 7.2.

10.5 Incompatible materials

Strong oxidizing agent.

10.6 Hazardous decomposition products

No hazardous decomposition products known.



Mungo Befestigungstechnik AG
4603 Olten

Date printed 23.04.2013, Revision 11.04.2013

Version 01

Page 6 / 9

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

ATE-mix, inhalative, Rat: > 100 mg/l.

ATE-mix, oral, Rat: > 5000 mg/kg.

Serious eye damage/irritation not determined

Skin corrosion/irritation not determined

Respiratory or skin sensitisation not determined

Mutagenicity There is no evidence of any mutagenic effects.

Reproduction toxicity There is no evidence of any reproductive toxicity effects.

Carcinogenicity There is no evidence of any carcinogenic effects.

General remarks

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

Toxicological data of complete product are not available.

SECTION 12: Ecological information

12.1 Toxicity

Range [%]	Substance
1 - <5	Ethylene dimethacrylate, CAS: 97-90-5
	EC50, (3h), <i>Pseudomonas putida</i> : 570 mg/l (OECD 209).
	LC50, (96h), <i>Danio rerio</i> : 15,95 mg/l (OECD 203).
5 - <15	2-Hydroxyethyl methacrylate, CAS: 868-77-9
	EC50, (96h), <i>Pimephales promelas</i> : 227 mg/L (IUCLID).
	LC50, (96h), <i>Pimephales promelas</i> : 227 mg/L (IUCLID).
1 - <5	Methacrylic acid, monoester with Propan-1,2-diole, CAS: 27813-02-1
	LC50, (48h), <i>Leuciscus idus</i> : 493 mg/L (IUCLID).
	EC10, (16h), <i>Pseudomonas putida</i> : 1140 mg/l (IUCLID).
0,1 - <1	1,1'-(p-Tolylimino)dipropan-2-ol, CAS: 38668-48-3
	LC50, (96h), fish: 17 mg/l.
	EC50, (48h), <i>Daphnia magna</i> : 28,8 mg/l.
1 - <10	Vinyltoluene, CAS: 25013-15-4
	LC50, (96h), <i>Pimephales promelas</i> : 23,4 mg/l (IUCLID).

12.2 Persistence and degradability

Behaviour in environment compartments not determined

Behaviour in sewage plant not determined

Biological degradability not determined

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.



Mungo Befestigungstechnik AG
4603 Olten

Date printed 23.04.2013, Revision 11.04.2013

Version 01

Page 7 / 9

12.6 Other adverse effects

Do not discharge product unmonitored into the environment.

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

Ecological data of complete product are not available.

The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

SECTION 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

Coordinate disposal with the disposal contractor/authorities if necessary.

Waste no. (recommended)

080409*

Contaminated packaging

Uncontaminated packaging may be taken for recycling.

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

Waste no. (recommended)

150110*

150102

SECTION 14: Transport information

14.1 UN number

See SECTION 14.2 in accordance with UN shipping name

14.2 UN proper shipping name

Transport by land according to
ADR/RID

NO DANGEROUS GOODS

Inland navigation (ADN)

NO DANGEROUS GOODS

Marine transport in accordance with
IMDG

NOT CLASSIFIED AS "DANGEROUS GOODS"

Air transport in accordance with IATA

NOT CLASSIFIED AS "DANGEROUS GOODS"

14.3 Transport hazard class(es)

See SECTION 14.2 in accordance with UN shipping name

14.4 Packing group

See SECTION 14.2 in accordance with UN shipping name

14.5 Environmental hazards

See SECTION 14.2 in accordance with UN shipping name

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

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

not applicable



Mungo Befestigungstechnik AG
4603 Olten

Date printed 23.04.2013, Revision 11.04.2013

Version 01

Page 8 / 9

SECTION 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 (2013); IMDG-Code (2013, 36. Amdt.); IATA-DGR (2013).
NATIONAL REGULATIONS (GB):	EH40/2005 Workplace exposure limits (Second edition, published December 2011). CHIP 3/ CHIP 4
- Observe employment restrictions for people	Observe employment restrictions for young people. Observe employment restrictions for mothers-to-be and nursing mothers.
- VOC (1999/13/CE)	0 %

15.2 Chemical safety assessment

not applicable

SECTION 16: Other information

16.1 R-phrases (SECTION 3)

R 36/38: Irritating to eyes and skin.
R 43: May cause sensitisation by skin contact.
R 10: Flammable.
R 20: Harmful by inhalation.
R 65: Harmful - may cause lung damage if swallowed.
R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 37: Irritating to respiratory system.
R 36: Irritating to eyes.
R 25: Toxic if swallowed.
R 41: Risk of serious damage to eyes.
R 52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

16.2 Hazard statements (SECTION 3)

H319 Causes serious eye irritation.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H226 Flammable liquid and vapour.
H332 Harmful if inhaled.
H304 May be fatal if swallowed and enters airways.
H411 Toxic to aquatic life with long lasting effects.
H335 May cause respiratory irritation.
H301 Toxic if swallowed.
H318 Causes serious eye damage.
H412 Harmful to aquatic life with long lasting effects.



Mungo Befestigungstechnik AG

4603 Olten

Date printed 23.04.2013, Revision 11.04.2013

Version 01

Page 9 / 9

16.3 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
 RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
 ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
 CAS = Chemical Abstracts Service
 CLP = Classification, Labelling and Packaging
 DMEL = Derived Minimum Effect Level
 DNEL = Derived No Effect Level
 EC50 = Median effective concentration
 ECB = European Chemicals Bureau
 EEC = European Economic Community
 EINECS = European Inventory of Existing Commercial Chemical Substances
 ELINCS = European List of Notified Chemical Substances
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 IATA = International Air Transport Association
 IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
 IC50 = Inhibition concentration, 50%
 IMDG = International Maritime Code for Dangerous Goods
 IUCLID = International Uniform Chemical Information Database
 LC50 = Lethal concentration, 50%
 LD50 = Median lethal dose
 MARPOL = International Convention for the Prevention of Marine Pollution from Ships
 PBT = Persistent, Bioaccumulative and Toxic substance
 PNEC = Predicted No-Effect Concentration
 REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
 TLV®/TWA = Threshold limit value – time-weighted average
 TLV®STEL = Threshold limit value – short-time exposure limit
 VOC = Volatile Organic Compounds
 vPvB = very Persistent and very Bioaccumulative

16.4 Other information

Modified position

none

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Mungo Befestigungstechnik AG
4603 Olten

Date printed 24.04.2013, Revision 11.04.2013

Version 01

Page 1 / 9

SECTION 1: Identification of the substance / preparation and of the company

1.1 Product identifier

Mungo MIT-SP, Comp. B

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

1.2.1 Relevant uses

Mounting material

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company

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1.4 Emergency phone

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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Hazard pictograms



Signal word

WARNING

Skin Sens. 1 - H317 May cause an allergic skin reaction.
Eye Irrit. 2 - H319 Causes serious eye irritation.

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

Hazard symbols



Irritant

R-phrases

R 43: May cause sensitisation by skin contact.

2.2 Label elements

Labelling according to Regulation (EC) 1272/2008

Hazard pictograms



Signal word

WARNING

Contains:

Dibenzoyl peroxide

Hazard statements

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

Precautionary statements

P261 Avoid breathing vapours.

P280 Wear protective gloves/eye protection/face protection.

P363 Wash contaminated clothing before reuse.

P501 Dispose of contents/container to in accordance with local/regional/national/international regulation.



Mungo Befestigungstechnik AG
4603 Olten

Date printed 24.04.2013, Revision 11.04.2013

Version 01

Page 2 / 9

2.3 Other hazards

Environmental hazards

Does not contain any PBT or vPvB substances.

Other hazards

Further hazards were not determined with the current level of knowledge.

SECTION 3: Composition / Information on ingredients

3.1 Product-type:

The product is a mixture.

Range [%]	Substance
10 - <20	Dibenzoyl peroxide
	CAS: 94-36-0, EINECS/ELINCS: 202-327-6, EU-INDEX: 617-008-00-0
	GHS/CLP: Org. Perox. B - H241 - Eye Irrit. 2 - H319 - Skin Sens. 1 - H317
	EEC: E-Xi, R 3-7-36-43
< 5	Reaction mass of Diethylene glycole dibenzoate, Dipropylene glycole dibenzoate and Triethylene glycol dibenzoate
	GHS/CLP: Aquatic Chronic 3 - H412
	EEC: R 52/53
< 5	2-Ethylhexyl benzoate
	CAS: 5444-75-7, EINECS/ELINCS: 226-641-8
	GHS/CLP: Aquatic Chronic 4 - H413
	EEC: R 53

Comment on component parts

Substances of Very High Concern - SVHC: substances are not contained or are below 0,1%.
For full text of H-statements and R-phrases: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Change soaked clothing immediately.

Inhalation

Ensure supply of fresh air.
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

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

Ingestion

Supply with medical care.
Rinse out mouth and give plenty of water to drink.

4.2 Most important symptoms and effects, both acute and delayed

Allergic reactions
Irritant effects

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide.
Dry powder.
Water spray jet.

Extinguishing media that must not be used

Full water jet
Foam.

5.2 Special hazards arising from the substance or mixture

Unknown risk of formation of toxic pyrolysis products.
Carbon monoxide (CO)



Mungo Befestigungstechnik AG
4603 Olten

Date printed 24.04.2013, Revision 11.04.2013

Version 01

Page 3 / 9

5.3 Advice for firefighters

Do not inhale explosion and/or combustion gases.
Use self-contained breathing apparatus.
Fire residues must be disposed of in accordance within the local regulations.

SECTION 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.
Keep away from all sources of ignition.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Take up mechanically.
Take up residues with absorbent material (e.g. sand, sawdust, generalpurpose binder, diatomaceous earth).
Dispose of absorbed material in accordance within the regulations.

6.4 Reference to other sections

See SECTION 8+13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use only in well-ventilated areas.
Keep away from all sources of ignition - Refrain from smoking.
Do not eat, drink, smoke or take drugs at work.
Wash hands before breaks and after work.
Use barrier skin cream.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.
Do not store together with food and animal food/diet.
Keep container in a well-ventilated place.
Keep container tightly closed.
Keep in a cool place. Store in a dry place.
Store in a dark place.
Protect from atmospheric moisture and water.
Recommended storage temperature: 5-25 °C (41-77 °F).

7.3 Specific end use(s)

See product use, SECTION 1.2



Mungo Befestigungstechnik AG
4603 Olten

Date printed 24.04.2013, Revision 11.04.2013

Version 01

Page 4 / 9

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational
exposure limits to be monitored (GB)

Range [%]	Substance
40 - <60	Quartz (< 10µm)
	CAS: 14808-60-7, EINECS/ELINCS: 238-878-4
	Long-term exposure: 0,15 mg/m³, HSE, NIOSH, OSHA
10 - <20	Dibenzoyl peroxide
	CAS: 94-36-0, EINECS/ELINCS: 202-327-6, EU-INDEX: 617-008-00-0
	Long-term exposure: 5 mg/m³
1 - <20	Glycerol
	CAS: 56-81-5, EINECS/ELINCS: 200-289-5
	Long-term exposure: 10 mg/m³, (mist)

8.2 Exposure controls

Additional advice on system design	Ensure adequate ventilation on workstation.
Eye protection	Tightly fitting goggles.
Hand protection	The details concerned are recommendations. Please contact the glove supplier for further information. In splash contact Nitrile rubber, >120 min (EN 374). In full contact Butyl rubber, >480 min (EN 374).
Skin protection	Protective clothing.
Other	Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols. 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.
Respiratory protection	If ventilation insufficient, wear respiratory protection. Short term: filter apparatus, combination filter A-P2.
Thermal hazards	not applicable
Delimitation and monitoring of the environmental exposition	See SECTION 6+7.



Mungo Befestigungstechnik AG
4603 Olten

Date printed 24.04.2013, Revision 11.04.2013

Version 01

Page 5 / 9

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	pasty
Color	black
Odor	characteristic
Odour threshold	not determined
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point [°C]	not determined
Flash point [°C]	116
Flammability [°C]	not determined
Lower explosion limit	not determined
Upper explosion limit	not determined
Oxidizing properties	not determined
Vapour pressure/gas pressure [kPa]	not determined
Density [g/ml]	not determined
Bulk density [kg/m³]	not applicable
Solubility in water	insoluble
Partition coefficient [n-octanol/water]	not determined
Viscosity	not determined
Relative vapour density determined in air	not determined
Evaporation speed	not determined
Melting point [°C]	not determined
Autoignition temperature [°C]	not determined
Decomposition temperature	not determined

9.2 Other information

No information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

See SECTION 10.3.

10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

Reactions with oxidizing agents.

10.4 Conditions to avoid

Strong heating.
See SECTION 7.2.

10.5 Incompatible materials

Strong oxidizing agent.

10.6 Hazardous decomposition products

No hazardous decomposition products known.



Mungo Befestigungstechnik AG
4603 Olten

Date printed 24.04.2013, Revision 11.04.2013

Version 01

Page 6 / 9

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Range [%]	Substance
10 - <20	Dibenzoyl peroxide, CAS: 94-36-0
	LC50, inhalative, Rat: > 24,3 mg/l 4 h.
	LD50, oral, Rat: 7710 mg/kg (HSDB).

Serious eye damage/irritation Slight irritant effect - does not require labelling.

Skin corrosion/irritation not determined

Respiratory or skin sensitisation Sensitizing.

Mutagenicity There is no evidence of any mutagenic effects.

Reproduction toxicity There is no evidence of any reproductive toxicity effects.

Carcinogenicity There is no evidence of any carcinogenic effects.

General remarks

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

The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

SECTION 12: Ecological information

12.1 Toxicity

Range [%]	Substance
10 - <20	Dibenzoyl peroxide, CAS: 94-36-0
	LC50, (96h), fish: 2 mg/l.
	EC50, (48h), Daphnia magna: 2,91 mg/l.

12.2 Persistence and degradability

Behaviour in environment compartments not determined

Behaviour in sewage plant not determined

Biological degradability not determined

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

12.6 Other adverse effects

Do not discharge product unmonitored into the environment.

No classification on the basis of the calculation procedure of the preparation directive.

The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.



Mungo Befestigungstechnik AG
4603 Olten

Date printed 24.04.2013, Revision 11.04.2013

Version 01

Page 7 / 9

SECTION 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

Coordinate disposal with the disposal contractor/authorities if necessary.

Waste no. (recommended)

080409*

Contaminated packaging

Uncontaminated packaging may be taken for recycling.

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

Waste no. (recommended)

150110*

150102

SECTION 14: Transport information

14.1 UN number

See SECTION 14.2 in accordance with UN shipping name

14.2 UN proper shipping name

Transport by land according to
ADR/RID

NO DANGEROUS GOODS

Inland navigation (ADN)

NO DANGEROUS GOODS

Marine transport in accordance with
IMDG

NOT CLASSIFIED AS "DANGEROUS GOODS"

Air transport in accordance with IATA

NOT CLASSIFIED AS "DANGEROUS GOODS"

14.3 Transport hazard class(es)

See SECTION 14.2 in accordance with UN shipping name

14.4 Packing group

See SECTION 14.2 in accordance with UN shipping name

14.5 Environmental hazards

See SECTION 14.2 in accordance with UN shipping name

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

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

not applicable



Mungo Befestigungstechnik AG

4603 Olten

Date printed 24.04.2013, Revision 11.04.2013

Version 01

Page 8 / 9

SECTION 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 (2013); IMDG-Code (2013, 36. Amdt.); IATA-DGR (2013).
NATIONAL REGULATIONS (GB):	EH40/2005 Workplace exposure limits (Second edition, published December 2011). CHIP 3/ CHIP 4
- Observe employment restrictions for people	Observe employment restrictions for young people. Observe employment restrictions for mothers-to-be and nursing mothers.
- VOC (1999/13/CE)	0 %

15.2 Chemical safety assessment

not applicable

SECTION 16: Other information**16.1 R-phrases (SECTION 3)**

R 3: Extreme risk of explosion by shock, friction, fire or other sources of ignition.
 R 7: May cause fire.
 R 36: Irritating to eyes.
 R 43: May cause sensitisation by skin contact.
 R 52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 R 53: May cause long-term adverse effects in the aquatic environment.

16.2 Hazard statements (SECTION 3)

H241 Heating may cause a fire or explosion.
 H319 Causes serious eye irritation.
 H317 May cause an allergic skin reaction.
 H412 Harmful to aquatic life with long lasting effects.
 H413 May cause long lasting harmful effects to aquatic life.

16.3 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
 RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
 ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
 CAS = Chemical Abstracts Service
 CLP = Classification, Labelling and Packaging
 DMEL = Derived Minimum Effect Level
 DNEL = Derived No Effect Level
 EC50 = Median effective concentration
 ECB = European Chemicals Bureau
 EEC = European Economic Community
 EINECS = European Inventory of Existing Commercial Chemical Substances
 ELINCS = European List of Notified Chemical Substances
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 IATA = International Air Transport Association
 IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
 IC50 = Inhibition concentration, 50%
 IMDG = International Maritime Code for Dangerous Goods
 IUCLID = International Uniform Chemical Information Database
 LC50 = Lethal concentration, 50%
 LD50 = Median lethal dose
 MARPOL = International Convention for the Prevention of Marine Pollution from Ships
 PBT = Persistent, Bioaccumulative and Toxic substance
 PNEC = Predicted No-Effect Concentration
 REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
 TLV@TWA = Threshold limit value – time-weighted average
 TLV@STEL = Threshold limit value – short-time exposure limit
 VOC = Volatile Organic Compounds
 vPvB = very Persistent and very Bioaccumulative

16.4 Other information

Modified position	none
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Version 01

Page 9 / 9

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