1 Identification of the substance / preparation and of the company

1.1 Product identifier

MD-Megabond 2000 Aktivator
Article number MMB-A

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

1.2.1 Relevant uses

Adhesive

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company Marston Domsel GmbH

Bergheimer Str. 15
53909 Zülpich / GERMANY
Phone: 0 22 52 / 94 15 - 0
Fax: 0 22 52 / 17 44
Homepage: www.marston-domsel.de
E-mail: info@marston-domsel.de

Responsible Schroeder@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]

not determined

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

F-C, R 11-34-37-43

2.2 Label elements

Hazard symbols

Highly flammable

Corrosive

Contains: Methyl methacrylate
Methacrylic acid
Cumene hydroperoxide

R-phrases
R 11: Highly flammable.
R 34: Causes burns.
R 37: Irritating to respiratory system.
R 43: May cause sensitisation by skin contact.

S-phrases
S 1/2: Keep locked up and out of reach of children.
S 16: Keep away from sources of ignition - No smoking.
S 23.3: Do not breathe vapour.
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 45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S 51: Use only in well-ventilated areas.

Special labelling not applicable

2.3 Other hazards

Physico-chemical hazards	See chapter 10.
Human health dangers	See chapter 11.
Environmental hazards	See chapter 12.
Other hazards	none

3 Composition / Information on ingredients

3.1 Substances

The product in question is a mixture.

3.2 Mixtures

Range [%]	Substance
40 - <60	Methyl methacrylate
	CAS: 80-62-6, EINECS/ELINCS: 201-297-1, EU-INDEX: 607-035-00-6
	GHS/CLP: Flam. Liq. 2, H225 - STOT SE 3, H335 - Skin Irrit. 2, H315 - Skin Sens. 1, H317
	EEC: F-Xi R11-37/38-43
5 - <10	Urethanmethacrylat-Oligomer
	CAS:
	GHS/CLP: not determined
	EEC: Xi R36/38
5 - <10	Methacrylic acid
	CAS: 79-41-4, EINECS/ELINCS: 201-204-4, EU-INDEX: 607-088-00-5
	GHS/CLP: Acute Tox. 4, H312 - Skin Corr. 1A, H302 - , H314
	EEC: C R21/22-35
1 - <5	Tosyl chloride
	CAS: 98-59-9, EINECS/ELINCS: 202-684-8
	GHS/CLP: not determined
	EEC: Xi R38-41
1 - <5	2,6-di-tert-butyl-p-cresol
	CAS: 128-37-0, EINECS/ELINCS: 204-881-4
	GHS/CLP: not determined
	EEC: Xn R20/21/22-38
1 - <2,5	Cumene hydroperoxide
	CAS: 80-15-9, EINECS/ELINCS: 201-254-7, EU-INDEX: 617-002-00-8
	GHS/CLP: Org. Perox. EF, H242 - Acute Tox. 3, H331 - Acute Tox. 4, H302 H312 - STOT RE 2, H373 - Skin Corr. 1B, H314 - Aquatic Chronic 2, H411
	EEC: O-T-N R7-21/22-23-48/20/22-34-51/53

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 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 In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

Ingestion Consult a doctor immediately.
Do not induce vomiting.
Rinse out mouth and give plenty of water to drink.

4.2 Most important symptoms and effects, both acute and delayed

Product is caustic.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.
Forward this sheet to the doctor.

5 Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide.
Water spray jet.
Dry powder.
Foam.

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

Use self-contained breathing apparatus.

Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.
Cool containers at risk with water spray jet.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Keep away from all sources of ignition.
Ensure adequate ventillation.
Use personal protective clothing.

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, sawdust, 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

Provide good room ventilation even at ground level (vapours are heavier than air).

Take precautionary measures against static discharges.
Keep away from all sources of ignition - Refrain from smoking.
Vapours can form an explosive mixture with air.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.

Do not store together with oxidizing agents.

Keep container tightly closed.
Keep container in a well-ventilated place.
Protect from light.
Protect from heat/overheating.

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)

Range [%]	Substance / WEL: Workplace exposure limit
5 - <10	Methacrylic acid / 20 ppm, 72 mg/m³, -
40 - <60	Methyl methacrylate / 50 ppm, 208 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. In full contact Butyl rubber, >480 min (EN 374). In splash contact Butyl rubber, >60 min (EN 374).
Skin protection	Light protective clothing of plastic material.
Other	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 inhale vapours. Avoid contact with eyes and skin. Do not eat, drink, smoke or take drugs at work. Remove soiled or soaked clothing immediately. 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, filter A.
Thermal hazards	No informations available.
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	Gel
Color	whitish
Odor	characteristic
Odour threshold	not determined
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point [°C]	not determined
Flash point [°C]	11
Flammability [°C]	not determined
Lower explosion limit	not determined
Upper explosion limit	not determined
Oxidizing properties	no
Vapour pressure [kPa]	not determined
Density [g/ml]	0,97
Bulk density [kg/m³]	not applicable
Solubility in water	immiscible
Partition coefficient [n-octanol/water]	not determined
Viscosity	130.000 - 150.000 mPas (20°C)
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 informations available.

10 Stability and reactivity

10.1 Reactivity

See chapter 10.3.

10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting.
Reactions with reducing agents, heavy metals.
Reactions with strong oxidizing agents.

10.4 Conditions to avoid

Strong heating.

10.5 Incompatible materials

See chapter 7

10.6 Hazardous decomposition products

Flammable gases/vapours.

11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Range [%]	Substance
1 - <2,5	Cumene hydroperoxide, CAS: 80-15-9
	LC50, inhalative, Rat: 220 ppm 4h IUCLID.
	LD50, oral, Rat: 382 mg/kg IUCLID.
5 - <10	Methacrylic acid, CAS: 79-41-4
	LD50, oral, Rat: 1060 mg/kg.
	LC50, inhalative, Rat: 7,1 mg/l 4h.
	LD50, dermal, Rabbit: 500 - 1000 mg/kg.
40 - <60	Methyl methacrylate, CAS: 80-62-6
	LD50, oral, Rat: 7872 mg/kg.
	LD50, dermal, Rabbit: > 5000 mg/kg.
	LC50, inhalative, Rat: 78000 mg/m³ 4h.

Serious eye damage/irritation not determined

Skin corrosion/irritation not determined

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
1 - <2,5	Cumene hydroperoxide, CAS: 80-15-9
	EC50, (24h), Daphnia magna: 7 mg/l. M=1
	LC50, (96h), Oncorhynchus mykiss: 3,9 mg/l. M=1
5 - <10	Methacrylic acid, CAS: 79-41-4
	EC50, (24h), Daphnia magna: > 100 - 180 mg/l.
	EC50, (96h), Algae: 0,59 mg/l.
40 - <60	Methyl methacrylate, CAS: 80-62-6
	LC50, (96h), fish: 191 mg/l.
	EC50, (48h), Daphnia magna: 69 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 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

Ecological data are not available.
The product was classified on the basis of the calculation procedure of the preparation directive.

13 Disposal considerations

13.1 Waste treatment methods

Coordinate the waste disposal with the national authorities.

Product

Dispose of as hazardous waste.
Disposal in an incineration plant in accordance with the regulations of the local authorities.

Waste no. (recommended) 080409*

Contaminated packaging

Packaging that cannot be cleaned should be disposed of as for product.
Uncontaminated packaging may be taken for recycling.

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 UN 2924 Flammable liquid, corrosive, n.o.s. (Methyl-methacrylate, Methacrylic acid) 3 8 II
- Classification Code FC
- Label

- ADR LQ 1 l
- ADR 1.1.3.6 (8.6) Transport category (tunnel restriction code) 3 (D/E)
Classification according to IMDG UN 2924 Flammable liquid, corrosive, n.o.s. (Methyl methacrylate, Methacrylic acid) 3 8 II
- EMS F-E, S-C
- Label

- IMDG LQ 1 l
Classification according to IATA UN 2924 Flammable liquid, corrosive, n.o.s. (Methyl-methacrylate, Methacrylic acid mixture) 3 II
- Label

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

No informations available.

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.

16 Other informations

R-phrases (Chapter 03)	R 11: Highly flammable. R 37/38: Irritating to respiratory system and skin. R 43: May cause sensitisation by skin contact. R 36/38: Irritating to eyes and skin. R 21/22: Harmful in contact with skin and if swallowed. R 35: Causes severe burns. R 38: Irritating to skin. R 41: Risk of serious damage to eyes. R 20/21/22: Harmful by inhalation, in contact with skin and if swallowed. R 7: May cause fire. R 23: Toxic by inhalation. R 48/20/22: Harmful - danger of serious damage to health by prolonged exposure through inhalation and if swallowed. R 34: Causes burns. R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Hazard statements (Chapter 03)	H225 Highly flammable liquid and vapour. H335 May cause respiratory irritation. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H312 Harmful in contact with skin. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H242 Heating may cause a fire. H331 Toxic if inhaled. H302 H312 Harmful if swallowed or in contact with skin. H373 May cause damage to organs through prolonged or repeated exposure. H411 Toxic to aquatic life with long lasting effects.
Observe employment restrictions for people	yes
VOC (1999/13/CE)	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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1 Identification of the substance / preparation and of the company

1.1 Product identifier

MD-Megabond 2000 Klebstoff
Article number MMB-K

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

1.2.1 Relevant uses

Adhesive

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company Marston Domsel GmbH

Bergheimer Str. 15
53909 Zülpich / GERMANY
Phone: 0 22 52 / 94 15 - 0
Fax: 0 22 52 / 17 44
Homepage: www.marston-domsel.de
E-mail: info@marston-domsel.de

Responsible Schroeder@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]

not determined

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

F-Xi, R 11-37/38-43

2.2 Label elements

Hazard symbols

Highly flammable

Irritant

Contains: Methyl methacrylate

R-phrases
R 11: Highly flammable.
R 37/38: Irritating to respiratory system and skin.
R 43: May cause sensitisation by skin contact.

S-phrases
S 2: Keep out of the reach of children.
S 16: Keep away from sources of ignition - No smoking.
S 24: Avoid contact with skin.
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 51: Use only in well-ventilated areas.
S 46: If swallowed, seek medical advice immediately and show this container or label.

Special labelling not applicable

2.3 Other hazards

Physico-chemical hazards See chapter 10.
Human health dangers See chapter 11.
Environmental hazards See chapter 12.
Other hazards none

3 Composition / Information on ingredients

3.1 Substances

The product in question is a mixture.

3.2 Mixtures

Range [%]	Substance
60 -< 80	Methyl methacrylate
	CAS: 80-62-6, EINECS/ELINCS: 201-297-1, EU-INDEX: 607-035-00-6
	GHS/CLP: Flam. Liq. 2, H225 - STOT SE 3, H335 - Skin Irrit. 2, H315 - Skin Sens. 1, H317
	EEC: Xi-F R11-37/38-43
1 - 10	3,5-Diethyl-1,2-dihydro-1-phenyl-2-propylpyridine
	CAS: 34562-31-7, EINECS/ELINCS: 252-091-3
	GHS/CLP: not determined
	EEC: Xn-Xi R21/22-36/38
0,1 - < 1	Stoddard solvent
	CAS: 8052-41-3, EINECS/ELINCS: 232-489-3, EU-INDEX: 649-345-00-4
	GHS/CLP: not determined
	EEC: Xn-N R10-51/53-65-66

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 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 In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

Ingestion Consult a doctor immediately.
Do not induce vomiting.
Rinse out mouth and give plenty of water to drink.

4.2 Most important symptoms and effects, both acute and delayed

Irritant effects

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.
Forward this sheet to the doctor.

5 Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media Carbon dioxide.
Water spray jet.
Dry powder.
Foam.

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

Use self-contained breathing apparatus.

Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.
Cool containers at risk with water spray jet.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Keep away from all sources of ignition.
Ensure adequate ventillation.
High risk of slipping due to leakage/spillage of product.
Use personal protective clothing.

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

Take up mechanically.
Take up residues with absorbent material (e.g. sand).
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.

Vapours can form an explosive mixture with air.
Keep away from all sources of ignition - Refrain from smoking.
Ignitable mixtures can be formed in the empty container.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.

Do not store together with oxidizing agents.

Keep container tightly closed.
Keep container in a well-ventilated place.
Protect from heat/overheating.

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)

Range [%]	Substance / WEL: Workplace exposure limit
60 -< 80	Methyl methacrylate / 50 ppm, 208 mg/m³, -
0,1 - < 1	Stoddard solvent / - ppm, 1200 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. In full contact Butyl rubber, >480 min (EN 374). In splash contact Butyl rubber, >120 min (EN 374).
Skin protection	Light protective clothing.
Other	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 inhale vapours. Avoid contact with eyes and skin. Remove contaminated soaked clothing immediately and dispose of safely. Do not eat, drink, smoke or take drugs at work. After worktime and before work breaks the affected skin areas must be thoroughly cleaned. Use barrier skin cream.
Respiratory protection	Breathing apparatus in the event of high concentrations. Short term: filter apparatus, filter AX.
Thermal hazards	No informations available.
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	Gel
Color	opaque
Odor	characteristic
Odour threshold	not determined
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point [°C]	not determined
Flash point [°C]	11
Flammability [°C]	not determined
Lower explosion limit	not determined
Upper explosion limit	not determined
Oxidizing properties	no
Vapour pressure [kPa]	not determined
Density [g/ml]	0,95
Bulk density [kg/m³]	not applicable
Solubility in water	immiscible
Partition coefficient [n-octanol/water]	not determined
Viscosity	150.000 - 200.000 mPas (20°C)
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 informations available.

10 Stability and reactivity

10.1 Reactivity

See chapter 10.3.

10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

Reactions with strong alkalies and oxidizing agents.
Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting.
Reactions with strong acids.

10.4 Conditions to avoid

Strong heating.

10.5 Incompatible materials

See chapter 7

10.6 Hazardous decomposition products

Flammable gases/vapours.

11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Range [%]	Substance
60 -< 80	Methyl methacrylate, CAS: 80-62-6
	LD50, oral, Rat: 7872 mg/kg.
	LD50, dermal, Rabbit: > 5000 mg/kg.
	LC50, inhalative, Rat: 78000 mg/m³ 4h.

Serious eye damage/irritation	not determined
Skin corrosion/irritation	not determined
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
60 -< 80	Methyl methacrylate, CAS: 80-62-6
	LC50, (96h), fish: 191 mg/l.
	EC50, (48h), Daphnia magna: 69 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 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

Ecological data are not available.

13 Disposal considerations

13.1 Waste treatment methods

Coordinate the waste disposal with the national authorities.

Product

Dispose of as hazardous waste.
Disposal in an incineration plant in accordance with the regulations of the local authorities.

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*

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 UN 1133 ADHESIVES 3 II
- Classification Code F1
- Label

- ADR LQ 5 l
- ADR 1.1.3.6 (8.6) Transport category (tunnel restriction code) 2 (D/E)
Classification according to IMDG UN 1133 Adhesives 3 II
- EMS F-E, S-D
- Label

- IMDG LQ 5 l
Classification according to IATA UN 1133 Adhesives 3 II
- Label

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

No informations available.

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.

16 Other informations

R-phrases (Chapter 03)	R 21/22: Harmful in contact with skin and if swallowed. R 36/38: Irritating to eyes and skin. R 11: Highly flammable. R 37/38: Irritating to respiratory system and skin. R 43: May cause sensitisation by skin contact. R 10: Flammable. R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R 65: Harmful - may cause lung damage if swallowed. R 66: Repeated exposure may cause skin dryness or cracking.
Hazard statements (Chapter 03)	H225 Highly flammable liquid and vapour. H335 May cause respiratory irritation. H315 Causes skin irritation. H317 May cause an allergic skin reaction.
Observe employment restrictions for people	yes
VOC (1999/13/CE)	not determined
Modified position	Chapter 8 been added: The details concerned are recommendations. Please contact the glove supplier for further information. Chapter 8 been added: In full contact Chapter 8 been added: Butyl rubber, >480 min (EN 374). Chapter 8 been added: In splash contact Chapter 15 been added: S 2: Keep out of the reach of children. Chapter 15 been added: S 46: If swallowed, seek medical advice immediately and show this container or label. Chapter 2 been added: See chapter 10. Chapter 2 been added: See chapter 11. Chapter 4 been added: Forward this sheet to the doctor. Chapter 8 been added: No informations available. Chapter 9 been added: No informations available. Chapter 10 been added: See chapter 10.3. Chapter 10 been added: Stable under normal ambient conditions (ambient temperature). Chapter 10 been added: Strong heating. Chapter 10 been added: See chapter 7 Chapter 11 been added: Toxicological data are not available. Chapter 11 deleted: Toxicological data are not available. Chapter 15 been added:

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