

Trade name: POLYURETHANE Resin-glossy

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

1.1 Product identifier

Trade name: POLYURETHANE Resin-glossy

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

No further relevant information available.

Application of the substance/ the mixture: Paint/Coating product

1.3 Details of the supplier of the safety data sheet

Supplier:

EPODEX GmbH
Duisburger Str. 36
47829 Krefeld
Germany

Contact details for business and private customers (B2C):

Tel.: +44 203 318 28 33
E-Mail: info@epodex.com
Contact person: Mr. Marko Baric
Website: www.epodex.com

Contact details for wholesale customers (B2B):

Tel.: +49 2841 65 69 456
E-Mail: info@epodex-industries.com
Contact person: Mr. Marko Baric
Website: www.epodex-industries.com

1.4 Emergency telephone number

Emergency telephone number: +49 (0) 228 19240 poison information center Bonn

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP). Adverse physicochemical, human health and environmental effects: No other hazards

2.2 Label elements

the product is not classified as dangerous according to Regulation EC 1272/2008 (CLP). Hazard pictograms: None

Precautionary statements: None

Special Provisions: EUH210 Safety data sheet available on request.

Contains n-butyl methacrylate: May produce an allergic reaction.

Special provisions according to Annex XVII of REACH and subsequent amendments: None

2.3 Other hazards vPvB Substances: None – PBT

Substances: None Other Hazards: No other hazards

SECTION 3: Composition/information on ingredients

3.1 Substances: N.A.

3.2 Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

QTY	Name	Ident. Number	Classification
>= 3% - < 5%	BUTILDIGLICOLE	Index number: 603-096-00-8 CAS: 112-34-5 EC: 203-961-6	3.3/2 Eye Irrit. 2 H319

SECTION 4: First aid measures

4.1 Description of necessary first-aid measures

In case of skin contact: Wash with plenty of water and soap.

In case of eyes contact: -

In case of Ingestion: -

In case of Inhalation: Remove casualty to fresh air and keep warm and at rest.

4.2 Most important symptoms and effects, both acute and delayed

None

Safety data sheet

according to 1907/2006/EC, Article 31

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Trade name: POLYURETHANE Resin-glossy

- 4.3 Indication of any immediate medical attention and special treatment needed
Treatment: None

SECTION 5: Firefighting measures

- 5.1 Extinguishing media:
Suitable extinguishing media:
Water.
Carbon dioxide (CO₂).
Extinguishing media which must not be used for safety reasons: None in particular.
- 5.2 Special hazards arising from the substance or mixture
Do not inhale explosion and combustion gases.
Burning produces heavy smoke.
- 5.3 Advice for firefighters
Use suitable breathing apparatus.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
Wear personal protection equipment. Remove persons to safety.
See protective measures under point 7 and 8.
- 6.2 Environmental precautions
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
Suitable material for taking up: absorbing material, organic, sand
- 6.3 Methods and materials for containment and cleaning up
Wash with plenty of water.
- 6.4 Reference to other sections
See also section 8 and 13

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling
Avoid contact with skin and eyes, inhalation of vapours and mists.
See also section 8 for recommended protective equipment.
Advice on general occupational hygiene:
Do not eat or drink while working.
- 7.2 Conditions for safe storage, including any incompatibilities
Keep away from food, drink and feed.
None in particular.
Instructions as regards storage premises: Adequately ventilated premises.
- 7.3 Specific end use(s)
None in particular

SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters
2-(2-butoxyethoxy)ethanol - CAS: 112-34-5
- OEL Type: EU - TWA(8h): 67.5 mg/m³, 10 ppm - STEL: 101.2 mg/m³, 15 ppm
- OEL Type: ACGIH - TWA(8h): 100 ppm - STEL: 150 ppm - Notes: (IFV) - Hematologic, liver and kidney effDNEL Exposure Limit Values N.A.
- PNEC Exposure Limit Values
N.A.
- 8.2 Exposure controls
- Eye protection: Not needed for normal use. Anyway, operate according good working practices.
- Protection for skin: No special precaution must be adopted for normal use.
- Protection for hands: Not needed for normal use.
- Respiratory protection: Not needed for normal use.

Safety data sheet

according to 1907/2006/EC, Article 31

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Trade name: POLYURETHANE Resin-glossy

Thermal Hazards: None

Environmental exposure controls: None

Appropriate engineering controls: None

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Appearance and colour:	Fluido Trasparente Colorless	--	--
Odour	COALESCEN TI	--	--
Odour threshold:	N.A.	--	--
pH:	N.A.	--	--
Solid content:	33.5%	--	--
Specific weight:	1	--	--
Flash point °C:	>55°c ° C	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	--
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	N.A.	--	--
Vapour density:	N.A.	--	--
Relative density:	N.A.	--	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (noctanol/water):	N.A.	--	--
Auto-ignition temperature:	No	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	COPPA DIN 4 :19 ^h +1	--	--
Explosive properties:	N.A.	--	--
Oxidizing properties:	N.A.	--	--

9.2 Other information

Properties	Value	Method:	Notes:
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under normal conditions

10.2 Chemical stability

Stable under normal conditions

Trade name: POLYURETHANE Resin-glossy

- 10.3 Possibility of hazardous reactions
None
- 10.4 Conditions to avoid
Stable under normal conditions.
- 10.5 Incompatible materials
None in particular.
- 10.6 Hazardous decomposition products
None

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
Toxicological information of the product:
POLYURETHANE Resin - glossy
- a) acute toxicity
Not classified
Based on available data, the classification criteria are not met
 - b) skin corrosion/irritation
Not classified
Based on available data, the classification criteria are not met
 - c) serious eye damage/irritation
Not classified
Based on available data, the classification criteria are not met
 - d) respiratory or skin sensitisation
Not classified
Based on available data, the classification criteria are not met
 - e) germ cell mutagenicity
Not classified
Based on available data, the classification criteria are not met
 - f) carcinogenicity
Not classified
Based on available data, the classification criteria are not met
 - g) reproductive toxicity
Not classified
Based on available data, the classification criteria are not met
 - h) STOT-single exposure
Not classified
Based on available data, the classification criteria are not met
 - i) STOT-repeated exposure
Not classified
Based on available data, the classification criteria are not met
 - j) aspiration hazard
Not classified
Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product: N.A.

SECTION 12: Ecological information

- 12.1 Toxicity
Adopt sound working practices, so that the product is not released into the environment.
POLYURETHANE Resin-glossy
Not classified for environmental hazards
Based on available data, the classification criteria are not met

Safety data sheet

according to 1907/2006/EC, Article 31

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Trade name: POLYURETHANE Resin-glossy

- 12.2 Persistence and degradability
None
N.A.
- 12.3 Bioaccumulative potential
N.A.
- 12.4 Mobility in soil
N.A.
- 12.5 Results of PBT and vPvB assessment vPvB
Substances: None - PBT Substances: None
- 12.6 Other adverse effects
None

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
Recover if possible. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

- 14.1 UN number
Not classified as dangerous in the meaning of transport regulations.
- 14.2 UN proper shipping name
N.A.
- 14.3 Transport hazard class (es)
N.A.
- 14.4 Packaging group
N.A.
- 14.5 Environmental hazards
No
- 14.6 Special precautions for user
N.A.
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
N.A.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances). Dir. 99/45/EEC (Classification, packaging and labelling of dangerous preparations). Dir. 98/24/EC (Risks related to chemical agents at work). Dir. 2000/39/EC (Occupational exposure limit values); Dir. 2006/8/CE. Regulation (CE) n. 1907/2006 (REACH), Regulation (CE) n.1272/2008 (CLP), Regulation (CE) n.790/2009.

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: No restriction.

Restrictions related to the substances contained:

Restriction 40

Restriction 55

Restriction 75

UE(dir 2004/42/CE) Pronto all'Uso / Ready to use

Volatile Organic compounds - VOCs = 0.07 %

Volatile Organic compounds - VOCs = 0.65 g/l

Volatile CMR substances = 0.00 %

Halogenated VOCs which are assigned the risk phrase R40 = 0.00 %

Organic Carbon - C = 0.00

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)

Regulation (EC) nr 648/2004 (detergents).

Dir. 2004/42/EC (VOC directive)

Safety data sheet

according to 1907/2006/EC, Article 31

EPODEX

Trade name: POLYURETHANE Resin-glossy

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

None

15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

Text of phrases referred to under heading 3:

H319 Causes serious eye irritation.

H226 Flammable liquid and vapour.

H335 May cause respiratory irritation.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

Hazard class and hazard category	Code	Description
Eye Irrit. 2	3.3/2	Eye irritation, Category 2

Paragraphs modified from the previous revision:

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

SECTION 2: Hazards identification

SECTION 15: Regulatory information

This document was prepared by a competent person who has received appropriate training. Main bibliographic sources:

NIOSH - Registry of toxic effects of chemical substances (1983)

I.N.R.S. - Fiche Toxicologique

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

Trade name: POLYURETHANE Hardener-glossy

1.1 Product identifier

Trade name: POLYURETHANE Hardener-glossy

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

No further relevant information available.

Application of the substance/ the mixture: Mixture of isocyanic polymers

1.3 Details of the supplier of the safety data sheet

Supplier:

EPODEX GmbH
Duisburger Str. 36
47829 Krefeld
Germany

Contact details for business and private customers (B2C):

Tel.: +44 203 318 28 33
E-Mail: info@epodex.com
Contact person: Mr. Marko Baric
Website: www.epodex.com

Contact details for wholesale customers (B2B):

Tel.: +49 2841 65 69 456
E-Mail: info@epodex-industries.com
Contact person: Mr. Marko Baric
Website: www.epodex-industries.com

1.4 Emergency telephone number

Emergency telephone number: +49 (0) 228 19240 poison information center Bonn

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):

Warning, Acute Tox. 4, Harmful if inhaled.

Warning, Eye Irrit. 2, Causes serious eye irritation.

Warning, Skin Sens. 1, May cause an allergic skin reaction.

Warning, STOT SE 3, May cause respiratory irritation.

Aquatic Chronic 3, Harmful to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects: No other hazards

2.2 Label elements



Warning

Hazard statements:

H332 Harmful if inhaled.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H335 May cause respiratory irritation.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...

P312 Call a POISON CENTER/doctor/... if you feel unwell.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

Special Provisions:

EUH204 Contains isocyanates. May produce an allergic reaction.

Contains

poliisocianato alifatico idrofilo hexamethylene-di-isocyanate

Special provisions according to Annex XVII of REACH and subsequent amendments:

As from 24 August 2023 adequate training is required before industrial or professional use.

2.3 Other hazards vPvB Substances: None – PBT

Trade name: POLYURETHANE Hardener-glossy

Substances: None Other Hazards: No other hazards

SECTION 3: Composition/information on ingredients

3.1 Substances: N.A.

3.2 Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

QTY	Name	Ident. Number	Classification
>= 70% - < 80%	poliisocianato alifatico idrofilo	CAS: 160994-68-3	3.1/4/Inhal Acute Tox. 4 H332 3.8/3 STOT SE 3 H335 3.4.2/1-1A-1B Skin Sens. 1,1A, 1B H317 4.1/C3 Aquatic Chronic 3 H412
>= 25% - < 30%	propylene carbonate	Index number: 607-194-00-1 CAS: 108-32-7 EC: 203-572-1	3.3/2 Eye Irrit. 2 H319
>= 0.1% - < 0.25%	hexamethylene-diisocyanate	Index number: 615-011-00-1 CAS: 822-06-0 EC: 212-485-8	3.3/2 Eye Irrit. 2 H319 3.8/3 STOT SE 3 H335 3.2/2 Skin Irrit. 2 H315 3.4.1/1-1A-1B Resp. Sens. 1,1A, 1B H334 3.4.2/1-1A-1B Skin Sens. 1,1A, 1B H317 3.1/3/Inhal Acute Tox. 3 H331

SECTION 4: First aid measures

4.1 Description of necessary first-aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap. Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do NOT induce vomiting.

In case of Inhalation:

If breathing is irregular or stopped, administer artificial respiration.

In case of inhalation, consult a doctor immediately and show him packing or label.

4.2 Most important symptoms and effects, both acute and delayed

None

4.3 Indication of any immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment: None

SECTION 5: Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons: None in particular.

5.2 Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3 Advice for firefighters

Use suitable breathing apparatus .

Trade name: POLYURETHANE Hardener-glossy

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
Wear personal protection equipment.
Wear breathing apparatus if exposed to vapours/dusts/aerosols. Provide adequate ventilation.
Use appropriate respiratory protection.
See protective measures under point 7 and 8.
- 6.2 Environmental precautions
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
Retain contaminated washing water and dispose it.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
Suitable material for taking up: absorbing material, organic, sand
- 6.3 Methods and materials for containment and cleaning up
Wash with plenty of water.
- 6.4 Reference to other sections
See also section 8 and 13

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling
Avoid contact with skin and eyes, inhalation of vapours and mists.
Use localized ventilation system.
Don't use empty container before they have been cleaned.
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
See also section 8 for recommended protective equipment.
Advice on general occupational hygiene:
Contaminated clothing should be changed before entering eating areas.
Do not eat or drink while working.
- 7.2 Conditions for safe storage, including any incompatibilities
Keep away from food, drink and feed. None in particular.
Instructions as regards storage premises: Adequately ventilated premises.
- 7.3 Specific end use(s)
None in particular

SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters
hexamethylene-di- isocyanate - CAS: 822-06-0
- OEL Type: ACGIH - TWA(8h): 0.005 ppm - Notes: URT irr, resp sens

DNEL Exposure Limit Values
N.A.

PNEC Exposure Limit Values
N.A.
- 8.2 Exposure controls
Eye protection: Use close fitting safety goggles, don't use eye lens.
Protection for skin: Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.
Protection for hands: Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.
Respiratory protection: Use respiratory protection where ventilation is insufficient or exposure is prolonged.
Use adequate protective respiratory equipment.
Thermal Hazards: None
Environmental exposure controls: None
Appropriate engineering controls: None

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties

Trade name: POLYURETHANE Hardener-glossy

Properties	Value	Method:	Notes:
Appearance and colour:	fluido limpido	--	--
Odour	leggerissimo	--	--
Odour threshold:	N.A.	--	--
pH:	N.A.	--	--
Solid content:	75%	--	--
Specific weight:	1.1724	--	--
Flash point °C:	123°c ° C	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	--
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	N.A.	--	--
Vapour density:	N.A.	--	--
Relative density:	N.A.	--	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (noctanol/water):	N.A.	--	--
Auto-ignition temperature:	No	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	ford 4 : 2'10"	--	--
Explosive properties:	N.A.	--	--
Oxidizing properties:	N.A.	--	--

9.2 Other information

Properties	Value	Method:	Notes:
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

SECTION 10: Stability and reactivity

- 10.1 Reactivity
Stable under normal conditions
- 10.2 Chemical stability
Stable under normal conditions
- 10.3 Possibility of hazardous reactions
None
- 10.4 Conditions to avoid
Stable under normal conditions.
- 10.5 Incompatible materials
None in particular.
- 10.6 Hazardous decomposition products
None

Trade name: POLYURETHANE Hardener-glossy

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Toxicological information of the product:

POLYURETHANE Hardener-glossy

- a) acute toxicity
The product is classified: Acute Tox. 4 H332
- b) skin corrosion/irritation
Not classified
Based on available data, the classification criteria are not met
- c) serious eye damage/irritation
The product is classified: Eye Irrit. 2 H319
- d) respiratory or skin sensitisation
The product is classified: Skin Sens. 1 H317
- e) germ cell mutagenicity
Not classified
Based on available data, the classification criteria are not met
- f) carcinogenicity
Not classified
Based on available data, the classification criteria are not met
- g) reproductive toxicity
Not classified
Based on available data, the classification criteria are not met
- h) STOT-single exposure
The product is classified: STOT SE 3 H335
- i) STOT-repeated exposure
Not classified
Based on available data, the classification criteria are not met
- j) aspiration hazard
Not classified
Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product: N.A.

SECTION 12: Ecological information

- 12.1 Toxicity
Adopt sound working practices, so that the product is not released into the environment.
POLYURETHANE Hardener-glossy
The product is classified: Aquatic Chronic 3 - H412
- 12.2 Persistence and degradability
None
N.A.
- 12.3 Bioaccumulative potential
N.A.
- 12.4 Mobility in soil
N.A.
- 12.5 Results of PBT and vPvB assessment vPvB
Substances: None - PBT Substances: None
- 12.6 Other adverse effects
None

Safety data sheet

according to 1907/2006/EC, Article 31

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Trade name: POLYURETHANE Hardener-glossy

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
Recover if possible. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

- 14.1 UN number
Not classified as dangerous in the meaning of transport regulations.
- 14.2 UN proper shipping name
N.A.
- 14.3 Transport hazard class (es)
N.A.
- 14.4 Packaging group
N.A.
- 14.5 Environmental hazards
N.A.
- 14.6 Special precautions for user
N.A.
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
N.A.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances). Dir. 99/45/EEC (Classification, packaging and labelling of dangerous preparations). Dir. 98/24/EC (Risks related to chemical agents at work). Dir. 2000/39/EC (Occupational exposure limit values); Dir. 2006/8/CE. Regulation (CE) n. 1907/2006 (REACH), Regulation (CE) n.1272/2008 (CLP), Regulation (CE) n.790/2009.

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: No restriction.

Restrictions related to the substances contained:

Restriction 40

Restriction 55

Restriction 75

UE(dir 2004/42/CE) Pronto all'Uso / Ready to use

Volatile Organic compounds - VOCs = 0,00 %

Volatile Organic compounds - VOCs = 0.00 g/l

Volatile CMR substances = 0.00 %

Halogenated VOCs which are assigned the risk phrase R40 = 0.00 %

Organic Carbon - C = 0.00

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)

Regulation (EC) nr 648/2004 (detergents).

Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

None

- 15.2 Chemical safety assessment
No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

Text of phrases referred to under heading 3:

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

H319 Causes serious eye irritation.

Safety data sheet

according to 1907/2006/EC, Article 31

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Trade name: POLYURETHANE Hardener-glossy

H315 Causes skin irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H331 Toxic if inhaled.

Hazard class and hazard category	Code	Description
Acute Tox. 3	3.1/3/Inhal	Acute toxicity (inhalation), Category 3
Acute Tox. 4	3.1/4/Inhal	Acute toxicity (inhalation), Category 4
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Resp. Sens. 1,1A,1B	3.4.1/1-1A-1B	Respiratory Sensitisation, Category 1,1A,1B
Skin Sens. 1	3.4.2/1	Skin Sensitisation, Category 1
Skin Sens. 1,1A,1B	3.4.2/1-1A-1B	Skin Sensitisation, Category 1,1A,1B
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

Paragraphs modified from the previous revision:

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

SECTION 2: Hazards identification

SECTION 15: Regulatory information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Acute Tox. 4, H332	Calculation method
Eye Irrit. 2, H319	Calculation method
Skin Sens. 1, H317	Calculation method
STOT SE 3, H335	Calculation method
Aquatic Chronic 3, H412	Calculation method

This document was prepared by a competent person who has received appropriate training. Main bibliographic sources:

NIOSH - Registry of toxic effects of chemical substances (1983)

I.N.R.S. - Fiche Toxicologique

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.