

Safety Data Sheet

according to Regulation (EC) No 1907/2006



Penloc R Part A

Print date: 27.03.2018
Revision date: 27.03.2018

Product code: Penloc R

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Revision No: 1,00

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

1.1. Product identifier

Penloc R Part A

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

Use of the substance/mixture

Adhesives, sealants
The product is intended for professional use.

Uses advised against

Other

1.3. Details of the supplier of the safety data sheet

Singgeer Limited
Valhalla Business Pk.
Dobles Lane
Holsworthy, Devon EX22 6HN

Tel: +44 (0)1392 759787
Email: hello@signgeer.com

1.4. Emergency Telephone number

+44 (0) 1392 759787 Office hours only

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Skin corrosion/irritation: Skin Irrit. 2
Serious eye damage/eye irritation: Eye Irrit. 2
Respiratory or skin sensitisation: Skin Sens. 1
Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
May cause respiratory irritation.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

2-hydroxyethyl methacrylate
2-hydroxypropyl methacrylate
cumene hydroperoxide, alpha,alpha-dimethylbenzyl hydroperoxide

Signal word: Warning

Pictograms:



Hazard statements

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.

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H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3. Mixtures

Hazardous components

| CAS No | Chemical name | Quantity | | |
|----------|---|--------------|----------|-----------|
| | EC No | Index No | REACH No | |
| | Classification according to Regulation (EC) No. 1272/2008 [CLP] | | | |
| 868-77-9 | 2-hydroxyethyl methacrylate | | | 25 - 35 % |
| | 212-782-2 | 607-124-00-X | | |
| | Eye Irrit. 2, Skin Irrit. 2, Skin Sens. 1; H319 H315 H317 | | | |
| 923-26-2 | 2-hydroxypropyl methacrylate | | | 10 - 20 % |
| | 213-090-3 | 607-125-00-5 | | |
| | Eye Irrit. 2, Skin Sens. 1; H319 H317 | | | |
| 80-15-9 | cumene hydroperoxide, alpha,alpha-dimethylbenzyl hydroperoxide | | | 1 - 5 % |
| | 201-254-7 | 617-002-00-8 | | |
| | Org. Perox. E, Acute Tox. 3, Acute Tox. 4, Acute Tox. 4, STOT RE 2, Skin Corr. 1B, Aquatic Chronic 2; H242 H331 H312 H302 H373 ** H314 H411 | | | |

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Remove casualty to fresh air and keep warm and at rest. Get medical advice/attention if you feel unwell.

After contact with skin

After contact with skin, wash immediately with: Water and soap. Take off contaminated clothing and wash it before reuse. In case of skin irritation, consult a physician.

After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion

IF SWALLOWED: rinse mouth. Get medical advice/attention if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

SECTION 11: Toxicological information

SECTION 5: Firefighting measures

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5.1. Extinguishing media

Suitable extinguishing media

Foam, Dry extinguishing powder, Extinguishing powder, Carbon dioxide (CO₂)

Unsuitable extinguishing media

Strong water jet

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated:

Nitrogen oxides (NO_x)

Carbon dioxide (CO₂)

Carbon monoxide

5.3. Advice for firefighters

Wear chemical resistant suit. Use appropriate respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate area. Wear personal protection equipment. Provide adequate ventilation.

6.2. Environmental precautions

Avoid release to the environment. Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Collect spillage. Suitable material for taking up: Sawdust. Sand

Collect in closed and suitable containers for disposal. Treat the recovered material as prescribed in the section on waste disposal. Clear contaminated areas thoroughly. Ventilate affected area.

6.4. Reference to other sections

SECTION 8: Exposure controls/personal protection

SECTION 13: Disposal considerations

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Reserved for industrial and professional use. Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. When using do not eat, drink or smoke. Wash hands thoroughly after handling.

Take off contaminated clothing. Wash contaminated clothing before reuse. Avoid release to the environment.

Advice on protection against fire and explosion

Keep away from sources of ignition. - No smoking.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

Keep only in the original container in a cool, well-ventilated place.

Advice on storage compatibility

Keep away from food, drink and animal feeding stuffs.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Appropriate engineering controls

See chapter 7. No further action is necessary.

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Protective and hygiene measures

Respiratory protection necessary at: Insufficient ventilation, aerosol or mist generation. According to experience this refers to the following tasks: Cleaning work.

Eye/face protection

Suitable eye protection: Framed glasses.

Hand protection

Single-use gloves. Suitable material: NBR (Nitrile rubber). Butyl rubber. FKM (Fluoroelastomer (Viton)). German Industry Norms (DIN) / European Norms (EN): DIN EN 374 DIN EN 420 Manufacturer: Or comparable articles from other companies. Breakthrough times and swelling properties of the material must be taken into consideration.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid; viscous
Colour: yellow
Odour: characteristic

pH-Value:

Test method
Remark:

Changes in the physical state

Melting point: n.a.

Initial boiling point and boiling range: n.a.

Sublimation point: n.a.

Softening point: n.a.

n.a.:

Flash point: >80 °C

Flammability

Solid: non-flammable

Gas: n.a.

Explosive properties

not Explosive.

Auto-ignition temperature

Solid: n.a.

Gas: n.a.

Oxidizing properties

n.a.

Density: 1,05 g/cm³

Water solubility: virtually insoluble

Viscosity / dynamic:
(at 23 °C) 5000 - 10000 mPa·s

9.2. Other information

SECTION 10: Stability and reactivity

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10.1. Reactivity

The product is chemically stable under recommended conditions of storage, use and temperature.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Danger of polymerisation

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5. Incompatible materials

Powdered metals, Heavy metals, Reducing agent, Radical former

10.6. Hazardous decomposition products

No known hazardous decomposition products.

Further information

Exothermic reactions with: Radical former

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

| CAS No | Chemical name | | | |
|----------|--|-----------------|---------|--------|
| | Exposure route | Dose | Species | Source |
| 868-77-9 | 2-hydroxyethyl methacrylate | | | |
| | oral | LD50 5050 mg/kg | Ratte | |
| 80-15-9 | cumene hydroperoxide, alpha,alpha-dimethylbenzyl hydroperoxide | | | |
| | oral | LD50 382 mg/kg | Ratte | IUCLID |
| | dermal | LD50 500 mg/kg | Ratte | RTECS |
| | inhalative (4 h) vapour | LC50 1,4 mg/l | Ratte | IUCLID |
| | inhalative aerosol | ATE 0,5 mg/l | | |

Irritation and corrosivity

strongly irritant. In rare cases the product can cause temporary erythema of the skin. Risk of serious damage to eyes.

Sensitising effects

sensitizing.

STOT-repeated exposure

Frequently or prolonged contact with skin may cause dermal irritation.

Additional information on tests

Toxicological data are not available. Preparation not tested.

Practical experience

Observations relevant to classification

The statement is derived from the properties of the single components.

Further information

Acute toxicity, irritation of the skin and mucous membrane, and mutagenic potential of the preparation were assessed by the manufacturer on the basis of the data available on the main components. Information gaps exist on some of the main individual components. However, according to the experience of the manufacturer, no dangers above and beyond those on the product label are to be expected. The classification was

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undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

SECTION 12: Ecological information

12.1. Toxicity

There are no data available on the mixture itself.

| CAS No | Chemical name | | | | |
|----------|-----------------------------|---------------|-----------|---------------------|--------|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source |
| 868-77-9 | 2-hydroxyethyl methacrylate | | | | |
| | Acute fish toxicity | LC50 227 mg/l | 96 h | Pimephales promelas | |

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|----------|-----------------------------|---------|
| 868-77-9 | 2-hydroxyethyl methacrylate | 0,47 |

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Waste disposal according to EC Directives 75/442/EEC and 91/689/EEC on waste and hazardous waste in their latest versions. Contaminated packaging: Packing which cannot be properly cleaned must be thrown away. Handle contaminated packaging in the same way as the substance itself.

The waste disposal numbers are not product related but origin related. Hence, the manufacturer cannot declare waste disposal numbers for products which are employed in different markets. The waste disposal numbers are only recommendations for the user.

Waste disposal number of waste from residues/unused products

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances
Classified as hazardous waste.

Waste disposal number of used product

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances
Classified as hazardous waste.

Waste disposal number of contaminated packaging

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances
Classified as hazardous waste.

SECTION 14: Transport information

Land transport (ADR/RID)

Other applicable information (land transport)

No dangerous good in sense of these transport regulations.

Inland waterways transport (ADN)

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Other applicable information (inland waterways transport)

Not a hazardous material with respect to these transportation regulations.

Marine transport (IMDG)

Other applicable information (marine transport)

Not a hazardous material with respect to these transportation regulations.

Air transport (ICAO)

Other applicable information (air transport)

Not a hazardous material with respect to these transportation regulations.

SECTION 15: Regulatory information

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

National regulatory information

Employment restrictions:

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water contaminating class (D):

2 - water contaminating

SECTION 16: Other information

Changes

Safety Data Sheet according to 91/155/EEC

Relevant H and EUH statements (number and full text)

| | |
|------|--|
| H242 | Heating may cause a fire. |
| H302 | Harmful if swallowed. |
| H312 | Harmful in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| 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

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the safety data sheet.)

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

1.1. Product identifier

Penloc R Part B

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

Use of the substance/mixture

Adhesives, sealants
The product is intended for professional use.

Uses advised against

Other

1.3. Details of the supplier of the safety data sheet

Signgeer Limited
Valhalla Business Park
Dobles Lane
Holsworthy, Devon, EX22 6HN

Tel: +44 (0)1392 759787
Email: hello@signgeer.com

1.4. Emergency telephone number

+44 (0)1392 759787 office hours only

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:
Skin corrosion/irritation: Skin Irrit. 2
Serious eye damage/eye irritation: Eye Irrit. 2
Respiratory or skin sensitisation: Skin Sens. 1
Hazard Statements:
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

2-hydroxyethyl methacrylate
2-hydroxypropyl methacrylate

Signal word: Warning

Pictograms:



Hazard statements

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

Precautionary statements

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

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P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3. Mixtures

Hazardous components

| CAS No | Chemical name | | | Quantity |
|----------|---|--------------|----------|-----------|
| | EC No | Index No | REACH No | |
| | Classification according to Regulation (EC) No. 1272/2008 [CLP] | | | |
| 868-77-9 | 2-hydroxyethyl methacrylate | | | 25 - 35 % |
| | 212-782-2 | 607-124-00-X | | |
| | Eye Irrit. 2, Skin Irrit. 2, Skin Sens. 1; H319 H315 H317 | | | |
| 923-26-2 | 2-hydroxypropyl methacrylate | | | 10 - 20 % |
| | 213-090-3 | 607-125-00-5 | | |
| | Eye Irrit. 2, Skin Sens. 1; H319 H317 | | | |

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Remove casualty to fresh air and keep warm and at rest. Get medical advice/attention if you feel unwell.

After contact with skin

After contact with skin, wash immediately with: Water and soap. Take off contaminated clothing and wash it before reuse. In case of skin irritation, consult a physician.

After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion

IF SWALLOWED: rinse mouth. Get medical advice/attention if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

SECTION 11: Toxicological information

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam, Dry extinguishing powder, Extinguishing powder, Carbon dioxide (CO₂)

Unsuitable extinguishing media

Strong water jet

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated:
Nitrogen oxides (NO_x)

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Carbon dioxide (CO₂)
Carbon monoxide

5.3. Advice for firefighters

Wear chemical resistant suit. Use appropriate respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate area. Wear personal protection equipment. Provide adequate ventilation.

6.2. Environmental precautions

Avoid release to the environment. Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Collect spillage. Suitable material for taking up: Sawdust. Sand

Collect in closed and suitable containers for disposal. Treat the recovered material as prescribed in the section on waste disposal. Clear contaminated areas thoroughly. Ventilate affected area.

6.4. Reference to other sections

SECTION 8: Exposure controls/personal protection

SECTION 13: Disposal considerations

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Reserved for industrial and professional use. Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. When using do not eat, drink or smoke. Wash hands thoroughly after handling. Take off contaminated clothing. Wash contaminated clothing before reuse. Avoid release to the environment.

Advice on protection against fire and explosion

Keep away from sources of ignition. - No smoking.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

Keep only in the original container in a cool, well-ventilated place.

Advice on storage compatibility

Keep away from food, drink and animal feeding stuffs.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Appropriate engineering controls

See chapter 7. No further action is necessary.

Protective and hygiene measures

Respiratory protection necessary at: Insufficient ventilation. aerosol or mist generation. According to experience this refers to the following tasks: Cleaning work.

Eye/face protection

Suitable eye protection: Framed glasses.

Hand protection

Single-use gloves. Suitable material: NBR (Nitrile rubber). Butyl rubber. FKM (Fluoroelastomer (Viton)).

German Industry Norms (DIN) / European Norms (EN): DIN EN 374 DIN EN 420 Manufacturer: Or

comparable articles from other companies. Breakthrough times and swelling properties of the material must be

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taken into consideration.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid: viscous
Colour: violet
Odour: characteristic

Test method

pH-Value: Remark:

Changes in the physical state

Melting point: n.a.
Initial boiling point and boiling range: n.a.
Sublimation point: n.a.
Softening point: n.a.
n.a.:
Flash point: >80 °C

Flammability

Solid: non-flammable
Gas: n.a.

Explosive properties

not Explosive.

Auto-ignition temperature

Solid: n.a.
Gas: n.a.

Oxidizing properties

n.a.

Density: 1,05 g/cm³

Water solubility: virtually insoluble

Viscosity / dynamic:
(at 23 °C) 5000 - 10000 mPa·s

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is chemically stable under recommended conditions of storage, use and temperature.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Danger of polymerisation

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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10.5. Incompatible materials

Powdered metals, Heavy metals, Reducing agent, Radical former

10.6. Hazardous decomposition products

No known hazardous decomposition products.

Further information

Exothermic reactions with: Radical former

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

| CAS No | Chemical name | | | |
|----------|-----------------------------|-----------------|---------|--------|
| | Exposure route | Dose | Species | Source |
| 868-77-9 | 2-hydroxyethyl methacrylate | | | |
| | oral | LD50 5050 mg/kg | Ratte | |

Irritation and corrosivity

strongly irritant. In rare cases the product can cause temporary erythema of the skin.

Sensitising effects

sensitizing.

STOT-repeated exposure

Frequently or prolonged contact with skin may cause dermal irritation.

Additional information on tests

Toxicological data are not available. Preparation not tested.

Practical experience

Observations relevant to classification

The statement is derived from the properties of the single components.

Further information

Acute toxicity, irritation of the skin and mucous membrane, and mutagenic potential of the preparation were assessed by the manufacturer on the basis of the data available on the main components. Information gaps exist on some of the main individual components. However, according to the experience of the manufacturer, no dangers above and beyond those on the product label are to be expected. The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

SECTION 12: Ecological information

12.1. Toxicity

There are no data available on the mixture itself.

| CAS No | Chemical name | | | |
|----------|-----------------------------|---------------|--------------------------|--------|
| | Aquatic toxicity | Dose | [h] [d] Species | Source |
| 868-77-9 | 2-hydroxyethyl methacrylate | | | |
| | Acute fish toxicity | LC50 227 mg/l | 96 h Pimephales promelas | |

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|----------|-----------------------------|---------|
| 868-77-9 | 2-hydroxyethyl methacrylate | 0,47 |

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Waste disposal according to EC Directives 75/442/EEC and 91/689/EEC on waste and hazardous waste in their latest versions. Contaminated packaging: Packing which cannot be properly cleaned must be thrown away. Handle contaminated packaging in the same way as the substance itself.

The waste disposal numbers are not product related but origin related. Hence, the manufacturer cannot declare waste disposal numbers for products which are employed in different markets. The waste disposal numbers are only recommendations for the user.

Waste disposal number of waste from residues/unused products

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances
Classified as hazardous waste.

Waste disposal number of used product

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Classified as hazardous waste.

Waste disposal number of contaminated packaging

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Classified as hazardous waste.

SECTION 14: Transport information

Land transport (ADR/RID)

Other applicable information (land transport)

No dangerous good in sense of these transport regulations.

Inland waterways transport (ADN)

Other applicable information (inland waterways transport)

Not a hazardous material with respect to these transportation regulations.

Marine transport (IMDG)

Other applicable information (marine transport)

Not a hazardous material with respect to these transportation regulations.

Air transport (ICAO)

Other applicable information (air transport)

Not a hazardous material with respect to these transportation regulations.

SECTION 15: Regulatory information

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

National regulatory information

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| Employment restrictions: | Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. |
| Water contaminating class (D): | 2 - water contaminating |

SECTION 16: Other information

Changes

Safety Data Sheet according to 91/155/EEC

Relevant H and EUH statements (number and full text)

| | |
|------|--------------------------------------|
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the safety data sheet.)