



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

1.1 Product identifier

Buehler EpoThin 2 Hardener
Article number 20-3442-xxx, 20-3445

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

1.2.1 Relevant uses

Mounting material for metallographic specimens

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company ITW Test & Measurement GmbH
In der Steele 2
40599 Düsseldorf / GERMANY
Phone 0800 707 6273
Fax 0800 707 6274
Homepage www.buehler-met.de
E-mail info.uk@buehler.com

Address enquiries to

Technical information info.uk@buehler.com
Safety Data Sheet sdb@chemiebuero.de

1.4 Emergency telephone number

Company 0800 707 6273 (Only valid if dialled within the UK) +49 (0) 211 974100

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Skin Corr. 1B: H314 Causes severe skin burns and eye damage.
Skin Sens. 1: H317 May cause an allergic skin reaction.
Acute Tox. 4: H332 Harmful if inhaled.
Aquatic Chronic 2: H411 Toxic to aquatic life with long lasting effects.
Repr. 2: H361f Suspected of damaging fertility.
Eye Dam. 1: H318 Causes serious eye damage.

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

Xn, Harmful - R 20: Harmful by inhalation.
C, Corrosive - R 34: Causes burns.
Sensitizing. - R 43: May cause sensitisation by skin contact.
N, Dangerous for the environment - R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Xn, toxic for reproduction category 3 - R 62: Possible risk of impaired fertility.



2.2 Label elements

The product is classified and required to be labelled in accordance with EC-Directives

Labelling according to Regulation (EC) 1272/2008

Hazard pictograms



Signal word

DANGER

Contains:

Polyoxypropylenediamine
 m-Phenylenebis(methylamine)
 4-tert-Butylphenol
 Triethylenetetramine, propoxylated
 Trimethylhexamethylene diamine
 Triethylenetetramine

Hazard statements

H314 Causes severe skin burns and eye damage.
 H317 May cause an allergic skin reaction.
 H332 Harmful if inhaled.
 H411 Toxic to aquatic life with long lasting effects.
 H361f Suspected of damaging fertility.

Precautionary statements

P260 Do not breathe vapours/spray.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P310 Immediately call a POISON CENTER/doctor.

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

Product-type:

The product is a mixture.

| Range [%] | Substance |
|-----------|---|
| 20 - <60 | Polyoxypropylenediamine |
| | CAS: 9046-10-0, EINECS/ELINCS: Polymer |
| | GHS/CLP: Skin Corr. 1B: H314 |
| | EEC: C, R 34 |
| 10 - 20 | m-Phenylenebis(methylamine) |
| | CAS: 1477-55-0, EINECS/ELINCS: 216-032-5 |
| | GHS/CLP: Acute Tox. 4: H302 - Acute Tox. 3: H331 - Skin Corr. 1B: H314 - Skin Sens. 1: H317 - Aquatic Chronic 3: H412 |
| | EEC: T, R 22-23-34-43-52/53 |
| 10 - 20 | 4-tert-Butylphenol |
| | CAS: 98-54-4, EINECS/ELINCS: 202-679-0, EU-INDEX: 604-090-00-8 |
| | GHS/CLP: Repr. 2: H361f - Skin Irrit. 2: H315 - Eye Dam. 1: H318 |
| | EEC: Xn, R 38-41-62 |
| 5 - 10 | Triphenyl phosphite |
| | CAS: 101-02-0, EINECS/ELINCS: 202-908-4, EU-INDEX: 015-105-00-7 |
| | GHS/CLP: Skin Irrit. 2: H315 - Eye Irrit. 2: H319 - Aquatic Acute 1: H400 - Aquatic Chronic 1: H410 |
| | EEC: N-Xi, R 50/53-36/38 |
| 5 - 10 | Triethylenetetramine, propoxylated |
| | CAS: 26950-63-0, EINECS/ELINCS: 500-055-5 |
| | GHS/CLP: Skin Sens. 1: H317 |
| | EEC: Xi, R 43 |
| 1 - 5 | Trimethylhexamethylene diamine |
| | CAS: 25620-58-0, EINECS/ELINCS: 247-134-8 |
| | GHS/CLP: Aquatic Chronic 3: H412 - Skin Sens. 1: H317 - Skin Corr. 1B: H314 - Acute Tox. 4: H302 |
| | EEC: C, R 52/53-43-34-22 |
| 1 - 5 | Triethylenetetramine |
| | CAS: 112-24-3, EINECS/ELINCS: 203-950-6, EU-INDEX: 612-059-00-5 |
| | GHS/CLP: Aquatic Chronic 3: H412 - Skin Sens. 1: H317 - Skin Corr. 1B: H314 - Acute Tox. 4: H312 |
| | EEC: C, R 21-34-43-52/53 |
| 1 - 3 | 2,2',2''-Nitrilotriethanol |
| | CAS: 102-71-6, EINECS/ELINCS: 203-049-8 |
| | GHS/CLP: Eye Irrit. 2: H319 |

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 | Take off contaminated clothing and wash before reuse. |
| Inhalation | Ensure supply of fresh air. Seek medical advice immediately. |
| Skin contact | In case of contact with skin wash off immediately with soap and water. Immediate medical treatment necessary, as untreated burns can result in slow-healing wounds. |
| Eye contact | Consult a doctor immediately. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Shield unaffected eye. |
| 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

Allergic reactions
Product is caustic.

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.
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

Risk of formation of toxic pyrolysis products.
Nitrogen oxides (NOx).
Carbon monoxide (CO)

5.3 Advice for firefighters

Use self-contained breathing apparatus.
Cool containers at risk with water spray jet.
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

High risk of slipping due to leakage/spillage of product.
Use personal protective equipment (protective gloves, safety glasses, protective clothing).
Keep away from all sources of ignition.
Ensure adequate ventilation.

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.
In case the product spills into drains/surface waters/groundwater, immediately inform the authorities.

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 with the regulations.

6.4 Reference to other sections

See SECTION 8+13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Provide suitable vacuuming at the processing machines and in the processing area.
Use only in well-ventilated areas.

Do not eat, drink, smoke or take drugs at work.
After worktime and before work breaks the affected skin areas must be thoroughly cleaned.
Take off contaminated clothing and wash before reuse.
Use barrier skin cream.



7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.
Prevent penetration into the ground.
Do not store together with oxidizing agents.
Do not store together with food and animal food/diet.
Keep container tightly closed.
Keep in a cool place. Store in a dry place.
Keep container in a well-ventilated place.

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 |
|-----------|--|
| 1 - 3 | 2,2',2''-Nitrilotriethanol |
| | CAS: 102-71-6, EINECS/ELINCS: 203-049-8 |
| | Long-term exposure: 5 mg/m ³ , ACGIH 2006 |

8.2 Exposure controls

| | |
|--|--|
| Additional advice on system design | Ensure adequate ventilation on workstation. |
| Eye protection | Safety glasses. |
| Hand protection | Butyl rubber, >120 min (EN 374). The details concerned are recommendations. Please contact the glove supplier for further information. |
| Skin protection | Light protective clothing of plastic material. |
| Other | Do not inhale vapours. Avoid contact with eyes and skin. 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 | Breathing apparatus in the event of high concentrations. Short term: filter apparatus, combination filter A-P2. |
| Thermal hazards | none |
| Delimitation and monitoring of the environmental exposition | Protect the environment by applying appropriate control measures to prevent or limit emissions. |

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|---|--------------------|
| Form | liquid |
| Color | clear |
| Odor | characteristic |
| Odour threshold | not applicable |
| pH-value | not applicable |
| pH-value [1%] | not applicable |
| Boiling point [°C] | not determined |
| Flash point [°C] | 90 |
| Flammability (solid, gas) [°C] | not determined |
| Lower explosion limit | not determined |
| Upper explosion limit | 5 Vol.% |
| Oxidizing properties | no |
| Vapour pressure/gas pressure [kPa] | not determined |
| Density [g/ml] | not determined |
| Bulk density [kg/m ³] | not applicable |
| Solubility in water | partially miscible |
| Partition coefficient [n-octanol/water] | not determined |
| Viscosity | not applicable |
| Relative vapour density determined in air | not determined |
| Evaporation speed | not determined |
| Melting point [°C] | not determined |
| Autoignition temperature [°C] | not determined |
| Decomposition temperature [°C] | not determined |

9.2 Other information

none

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known if used as directed.

10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

Reactions with strong oxidizing agents, strong acids and alkalis.

10.4 Conditions to avoid

See SECTION 7.2.

10.5 Incompatible materials

Oxidizing agent

10.6 Hazardous decomposition products

No hazardous decomposition products known.
In the event of fire: See SECTION 5.



SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

| |
|---|
| Product |
| ATE-mix, inhalative, Rat: 17,2 mg/l 4h. |
| ATE-mix, dermal, Rabbit: > 2000 mg/kg. |
| ATE-mix, oral, Rat: > 2000 mg/kg. |

| Range [%] | Substance |
|-----------|---|
| 1 - 5 | Trimethylhexamethylene diamine, CAS: 25620-58-0 |
| | LD50, oral, Rat: 910 mg/kg (IUCLID). |
| 20 - <60 | Polyoxypropylenediamine, CAS: 9046-10-0 |
| | LD50, dermal, Rabbit: 2980 mg/kg. |
| | LD50, oral, Rat: 2880 mg/kg. |
| 5 - 10 | Triphenyl phosphite, CAS: 101-02-0 |
| | LD50, oral, Rat: 444 mg/kg (RTECS). |
| | LDLo, dermal, Rabbit: 5000 mg/kg (RTECS). |
| 10 - 20 | m-Phenylenebis(methylamine), CAS: 1477-55-0 |
| | LD50, dermal, Rabbit: 2000 mg/kg. |
| | LD50, oral, Rat: 930 mg/kg. |
| | LC50, inhalative, Rat: 2,4 mg/l 4h. |
| 1 - 3 | 2,2',2''-Nitrilotriethanol, CAS: 102-71-6 |
| | LD50, dermal, Rabbit: > 22500 mg/kg. |
| | LD50, oral, Rat: 5846 mg/kg. |
| 1 - 5 | Triethylenetetramine, CAS: 112-24-3 |
| | LD50, dermal, Rabbit: 805 mg/kg. |
| | LD50, oral, Rat: 2500 mg/kg. |

Serious eye damage/irritation Product is caustic.

Skin corrosion/irritation Product is caustic.

Respiratory or skin sensitisation Sensitizing.

Specific target organ toxicity — single exposure not determined

Specific target organ toxicity — repeated exposure not determined

Mutagenicity not determined

Reproduction toxicity Repr. 2

Carcinogenicity not determined

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 |
|-----------|--|
| 10 - 20 | 4-tert-Butylphenol, CAS: 98-54-4 |
| | LC50, (48h), Leuciscus idus: 1,6 mg/l. |
| | EC50, Bacteria: 227 mg/l/16h. |
| | EC50, (48h), Daphnia magna: 3,4 mg/l. |
| 1 - 5 | EC50, (72h), Pseudokirchneriella subcapitata: 22,7 mg/l. |
| | Trimethylhexamethylene diamine, CAS: 25620-58-0 |
| | LC50, (48h), Leuciscus idus: 172 mg/l. |
| | EC50, Bacteria: 89 mg/l/17h. |
| 20 - <60 | EC50, (72h), Scenedesmus subspicatus: 29,5 mg/l. |
| | Polyoxypropylenediamine, CAS: 9046-10-0 |
| | LC50, (96h), fish: > 220 mg/l. |
| | EC50, (24h), Daphnia magna: 31,5 mg/l. |
| 5 - 10 | Triphenyl phosphite, CAS: 101-02-0 |
| | EC50, (48h), Daphnia magna: 36,6 - 58,8 mg/l. |
| 10 - 20 | m-Phenylenebis(methylamine), CAS: 1477-55-0 |
| | LC50, (96h), Oncorhynchus mykiss: > 100 mg/l. |
| 1 - 3 | EC50, (48h), Daphnia magna: 16 mg/l. |
| | 2,2',2''-Nitrilotriethanol, CAS: 102-71-6 |
| 1 - 5 | LC50, (96h), Lepomis macrochirus: 450 - 1000 mg/l. |
| | EC50, (48h), Daphnia magna: 610 mg/l. |
| 1 - 5 | Triethylenetetramine, CAS: 112-24-3 |
| | LC50, (96h), Poecilia reticulata: 570 mg/l (IUCLID). |
| | EC50, (48h), Daphnia magna: 31,1 mg/l (IUCLID). |
| | IC50, (72h), Algae: > 100 mg/l (IUCLID). |
| | LC0, (48h), Leuciscus idus: 200 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.

12.6 Other adverse effects

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

Ecological data of complete product are not available.

Do not discharge product unmonitored into the environment or into the drainage.



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

Disposal in an incineration plant in accordance with the regulations of the local authorities.
Coordinate disposal with the authorities if necessary.

Waste no. (recommended)

080409*

Contaminated packaging

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

Waste no. (recommended)

150110*
150102
150104

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

UN 2735 Amines, liquid, corrosive, n.o.s. (Polyoxypropylendiamine, m-Phenylenebis(methylamine)) (ENVIRONMENTALLY HAZARDOUS) 8 II

- Classification Code

C7

- Label



- ADR LQ

1 I

- ADR 1.1.3.6 (8.6)

Transport category (tunnel restriction code) 2 (E)

Inland navigation (ADN)

UN 2735 Amines, liquid, corrosive, n.o.s. (Polyoxypropylendiamine, m-Phenylenebis(methylamine)) (ENVIRONMENTALLY HAZARDOUS) 8 II

- Classification Code

C7

- Label



Marine transport in accordance with IMDG

UN 2735 Amines, liquid, corrosive, n.o.s. (Polyoxypropylendiamine, m-Phenylenebis(methylamine), Triphenyl phosphite) 8 II MARINE POLLUTANT

- EMS

F-A, S-B

- Label



- IMDG LQ

1 I

Air transport in accordance with IATA

UN 2735 Amines, liquid, corrosive, n.o.s. (Polyoxypropylendiamine, m-Phenylenebis(methylamine)) 8 II

- Label



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 MARPOL 73/78 and the IBC Code

not determined

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 mothers-to-be and nursing mothers. Observe employment restrictions for young people. |
| - VOC (1999/13/CE) | not determined |

15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

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

R 34: Causes burns.
R 22: Harmful if swallowed.
R 23: Toxic by inhalation.
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 50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 36/38: Irritating to eyes and skin.
R 21: Harmful in contact with skin.
R 38: Irritating to skin.
R 41: Risk of serious damage to eyes.
R 62: Possible risk of impaired fertility.

16.2 Hazard statements (SECTION 3)

H318 Causes serious eye damage.
H361f Suspected of damaging fertility.
H312 Harmful in contact with skin.
H410 Very toxic to aquatic life with long lasting effects.
H400 Very toxic to aquatic life.
H319 Causes serious eye irritation.
H315 Causes skin irritation.
H412 Harmful to aquatic life with long lasting effects.
H317 May cause an allergic skin reaction.
H331 Toxic if inhaled.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.



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

Classification procedure

Skin Corr. 1B: H314 Causes severe skin burns and eye damage. (Calculation method)
Skin Sens. 1: H317 May cause an allergic skin reaction. (Calculation method)
Acute Tox. 4: H332 Harmful if inhaled. (Calculation method)
Aquatic Chronic 2: H411 Toxic to aquatic life with long lasting effects. (Calculation method)
Repr. 2: H361f Suspected of damaging fertility. (Calculation method)
Eye Dam. 1: H318 Causes serious eye damage. (Calculation method)



Modified position

SECTION 2 been added: P260 Do not breathe vapours/spray.
SECTION 2 deleted: H335 May cause respiratory irritation.
SECTION 2 deleted: STOT SE 3
SECTION 2 been added: Repr. 2
SECTION 2 been added: H361f Suspected of damaging fertility.
SECTION 2 been added: Eye Dam. 1
SECTION 2 been added: H318 Causes serious eye damage.
SECTION 2 been added: Gesundheitsgefahr
SECTION 2 deleted: P309+P310 IF exposed or if you feel unwell: Immediately call a POISON CENTER or doctor/physician.
SECTION 2 been added: P310 Immediately call a POISON CENTER/doctor.
SECTION 2 deleted: P501 Dispose of contents/container to in accordance with local/regional/national/international regulation.
SECTION 2 been added: R 62: Possible risk of impaired fertility.
SECTION 4 been added: Immediate medical treatment necessary, as untreated burns can result in slow-healing wounds.
SECTION 4 been added: Consult a doctor immediately.
SECTION 4 been added: Shield unaffected eye.
SECTION 4 been added: Consult a doctor immediately.
SECTION 4 been added: Product is caustic.
SECTION 5 been added: Cool containers at risk with water spray jet.
SECTION 6 been added: In case the product spills into drains/surface waters/groundwater, immediately inform the authorities.
SECTION 10 been added: In the event of fire: See SECTION 5.
SECTION 11 been added: Product is caustic.
SECTION 11 been added: Product is caustic.
SECTION 11 been added: Sensitizing.
SECTION 12 been added: Ecological data of complete product are not available.
SECTION 12 been added: Do not discharge product unmonitored into the environment or into the drainage.
SECTION 15 been added: TRGS 905: List of substances causing cancer, mutagenic or being dangerous to reproduction.
SECTION 15 been added: Chemical safety assessments for substances in this mixture were not carried out.
SECTION 16 been added: Calculation method

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