

Repaplast Black

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
First edition: 9-7-2002 Last revision: 6-12-2017 Version: 9.0

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

1.1. Product identifier

Product form : Mixture
Name : Repaplast Black
Product number : 07.1434.0000

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

1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use
Use of the substance or preparation : Repaplast is a dual component product especially designed for the quick repair and gluing of metals and almost every type of modern synthetic.

1.2.2. Uses advised against

No information available

1.3. Details of the supplier of the safety data sheet

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1.4. Emergency telephone number

24h/24h (Telephone advice: English, French, German, Dutch):
BIG : +32 (0) 14 58 45 45

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) no 1272/2008 (CLP)

Skin corrosion/irritation, Category 2 H315
Serious eye damage/eye irritation, Category 2 H319
Respiratory sensitisation, Category 1 H334
Skin sensitisation, Category 1 H317
Carcinogenicity, Category 2 H351
Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation H335
Specific target organ toxicity — Repeated exposure, Category 2 H373

Full text of hazard classes and H-statements : see section 16

Adverse physicochemical, human health and environmental effects

No information available

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2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



Signal word (CLP) :

Danger

Hazardous ingredients :

4,4'-methylenediphenyl diisocyanate; 4,4'-methylenediphenyl diisocyanate, homopolymer; Poly [oxy(methyl-1,2-ethanediyl)], α-hydro-ω-hydroxy-, ether with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol (3:1), polymer with 1,1'-methylenebis [4-isocyanatobenzene]; Piperazine

Hazard statements (CLP) :

H315 - Causes skin irritation.
 H317 - May cause an allergic skin reaction.
 H319 - Causes serious eye irritation.
 H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 H335 - May cause respiratory irritation.
 H351 - Suspected of causing cancer.
 H373 - May cause damage to organs (respiratory system) through prolonged or repeated exposure (if inhaled).

Precautionary statements (CLP) :

P260 - Do not breathe vapours.
 P280 - Wear protective gloves, eye protection.
 P304 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P342 - If experiencing respiratory symptoms: Call a POISON CENTER/doctor
 P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

EUH-statements :

EUH204 - Contains isocyanates. May produce an allergic reaction.

2.3. Other hazards

No information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) no 1272/2008 (CLP) |
|---|--|---------|--|
| 4,4'-methylenediphenyl diisocyanate | (CAS number) 101-68-8 (EINECS / ELINCS number) 202-966-0 (REACH-no) 01-2119457014-47 | 10 - 25 | Carc. 2, H351 Acute Tox. 4 (Inhalation), H332 STOT RE 2, H373 Eye Irrit. 2, H319 STOT SE 3, H335 Skin Irrit. 2, H315 Resp. Sens. 1, H334 Skin Sens. 1, H317 |
| 4,4'-methylenediphenyl diisocyanate, homopolymer | (CAS number) 25686-28-6 (REACH-no) 01-2119457013-49 | 5 - 10 | Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373 |
| Poly [oxy(methyl-1,2-ethanediyl)], α-hydro-ω-hydroxy-, ether with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol (3:1), polymer with 1,1'-methylenebis [4-isocyanatobenzene] | (CAS number) 57596-50-6 | 1 - 5 | Resp. Sens. 1, H334 Skin Sens. 1, H317 |
| propylene carbonate | (CAS number) 108-32-7 (REACH-no) 01-2119537232-48 | 1 - 5 | Eye Irrit. 2, H319 |
| Piperazine | (CAS number) 110-85-0 (EINECS / ELINCS number) 203-808-3 (REACH-no) 01-2119480384-35 | 0,1 - 1 | Flam. Sol. 1, H228 Skin Corr. 1B, H314 Eye Dam. 1, H318 Resp. Sens. 1, H334 Skin Sens. 1, H317 Repr. 2, H361fd |

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Specific concentration limits:

| Name | Product identifier | Specific concentration limits |
|-------------------------------------|--|---|
| 4,4'-methylenediphenyl diisocyanate | (CAS number) 101-68-8 (EINECS / ELINCS number) 202-966-0 (REACH-no) 01-2119457014-47 | (C >= 0,1) Resp. Sens. 1, H334 (C >= 5) STOT SE 3, H335 (C >= 5) Skin Irrit. 2, H315 (C >= 5) Eye Irrit. 2, H319 |

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|----------------|--|
| General advice | : Poisoning symptoms might still occur after many hours. Therefore medical control is necessary during 48 hours after an accident. |
| Inhalation | : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| Skin contact | : Gently wash with plenty of soap and water. Rinse with plenty of water. |
| Eye contact | : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| Ingestion | : Rinse mouth. Drink plenty of water. Do NOT induce vomiting. Call a POISON CENTER/doctor if you feel unwell. |

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

| | |
|--------------|---|
| Inhalation | : Can cause an allergic reaction if inhaled. Based on our knowledge of isocyanate components and the toxicological data on comparable preparations, we can say that this preparation may cause acute irritation and/or sensitisation of the bronchial tubes, which can lead to asthma, wheezing and tightness of the chest. Sensitised people may show asthmatic symptoms after exposure to concentrations in the air well below the threshold for occupational exposure. Repeated exposure can have the effect of permanently impairing breathing. |
| Skin contact | : Causes skin irritation. May cause sensitisation by skin contact. |
| Eyes contact | : Causes serious eye irritation. |

4.3. Indication of any immediate medical attention and special treatment needed

This material or its emissions may aggravate pulmonary/bronchial disease and/or cause breathing difficulty. May cause burns.

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|--------------------------------|--|
| Suitable extinguishing media | : Water spray. Dry powder. Carbon dioxide. Alcohol resistant foam. |
| Unsuitable extinguishing media | : high volume water jet. |

5.2. Special hazards arising from the substance or mixture

| | |
|----------------------------|--|
| Fire hazard | : May release heat. Polymerization. |
| Reactivity in case of fire | : On burning: release of toxic and corrosive gases/vapours (nitrous vapours, hydrogen chloride, carbon monoxide - carbon dioxide). On burning formation of metallic fumes. |

5.3. Advice for firefighters

| | |
|--------------------------------|--|
| Firefighting instructions | : Prevent fire fighting water from entering the environment. Use water spray or fog for cooling exposed containers. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection. In case of fire and/or explosion do not breathe fumes. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

| | |
|------------------|---|
| General measures | : Wear suitable protective clothing. Keep upwind. |
|------------------|---|

6.1.1. For non-emergency personnel

| | |
|----------------------|--|
| Protective equipment | : Refer to protective measures listed in sections 7 and 8. |
| Emergency procedures | : Evacuate unnecessary personnel. |

6.1.2. For emergency responders

| | |
|----------------------|--|
| Protective equipment | : Equip cleanup crew with proper protection. |
| Emergency procedures | : Ventilate area. |

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Contain and collect spillage with non-combustible absorbent material such as sand, earth, vermiculite, diatomaceous earth. Neutralize with a suitable decontaminant, collect mechanically and allow to stand for several days in a non-sealed container until no further reaction occurs. Once this stage is reached, close container and dispose of in accordance with the local waste regulations (see section 13). The contaminated area should be cleaned up immediately with the same suitable decontaminant. A suitable decontaminant can be obtained by mixing: . water (45 parts), ethanol or isopropyl alcohol (50 parts) and concentrated (d: 0,880) ammonia solution (5 parts). water (95 parts), sodium carbonate (5 parts).
- Other information : Ensure adequate ventilation.

6.4. Reference to other sections

Stable in handling and storage conditions as recommended in section 7. Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning: see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Do not eat, drink or smoke when using this product. Use personal protective equipment as required. Provide for appropriate exhaust ventilation at places of vapours accumulation.
- Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep container tightly closed. Keep cool.
- Technical condition(s) : Impermeable underground / retention basin.
- Special rules on packaging : Keep container tightly closed and dry. Store in a cool area. Keep only in original container. Keep out of frost.

7.3. Specific end use(s)

No information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| Piperazine (110-85-0) | | |
|-----------------------|---------------------------------|--|
| EU | Local name | Piperazine |
| EU | IOELV TWA (mg/m ³) | 0,1 mg/m ³ |
| EU | IOELV STEL (mg/m ³) | 0,3 mg/m ³ |
| United Kingdom | Local name | Piperazine |
| United Kingdom | WEL TWA (mg/m ³) | 0,1 mg/m ³ |
| United Kingdom | WEL STEL (mg/m ³) | 0,3 mg/m ³ |
| United Kingdom | Remark (WEL) | Sen (Capable of causing occupational asthma. See paragraphs 53–56) |

4,4'-methylenediphenyl diisocyanate (101-68-8)

DNEL/DMEL (Workers)

| | |
|--|-------------------------|
| Acute - systemic effects, dermal | 50 mg/kg bodyweight/day |
| Acute - systemic effects, inhalation | 0,1 mg/m ³ |
| Acute - local effects, dermal | 28,7 mg/cm ² |
| Acute - local effects, inhalation | 0,1 mg/m ³ |
| Long-term - systemic effects, inhalation | 0,05 mg/m ³ |
| Long-term - local effects, inhalation | 0,05 mg/m ³ |

DNEL/DMEL (General population)

| | |
|--|-------------------------|
| Acute - systemic effects, dermal | 25 mg/kg bodyweight |
| Acute - systemic effects, inhalation | 0,05 mg/m ³ |
| Acute - systemic effects, oral | 20 mg/kg bodyweight |
| Acute - local effects, dermal | 17,2 mg/cm ² |
| Acute - local effects, inhalation | 0,05 mg/m ³ |
| Long-term - systemic effects, inhalation | 0,025 mg/m ³ |
| Long-term - local effects, inhalation | 0,025 mg/m ³ |

PNEC (Water)

| | |
|--------------------------|----------|
| PNEC aqua (freshwater) | 1 mg/l |
| PNEC aqua (marine water) | 0,1 mg/l |

PNEC (Soil)

| | |
|-----------|-------------|
| PNEC soil | 1 mg/kg dwt |
|-----------|-------------|

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| | |
|---|-------------------------|
| 4,4'-methylenediphenyl diisocyanate (101-68-8) | |
| PNEC (STP) | |
| PNEC sewage treatment plant | 1 mg/l |
| propylene carbonate (108-32-7) | |
| DNEL/DMEL (Workers) | |
| Long-term - systemic effects, dermal | 20 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 70,53 mg/m ³ |
| DNEL/DMEL (General population) | |
| Long-term - local effects, inhalation | 20 mg/m ³ |
| PNEC (Water) | |
| PNEC aqua (freshwater) | 0,9 mg/l |
| PNEC aqua (marine water) | 0,09 mg/l |
| PNEC (Soil) | |
| PNEC soil | 0,81 mg/kg dwt |
| PNEC (STP) | |
| PNEC sewage treatment plant | 7400 mg/l |

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protective equipment:

In case of inadequate ventilation wear respiratory protection. Safety glasses. Gloves.

Materials for protective clothing:

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Body: Recommended: Overall (preferably heavy cotton) or Tyvek-Pro Tech 'C', Tyvek-Pro 'F' disposable coverall.

Hand protection:

Where hand contact with the product may occur, the use of gloves (approved according to the EN374 standard) made from the following materials may provide suitable chemical protection: butyl rubber, Nitrile rubber, neoprene, rubber gloves. For continuous contact we recommend gloves with breakthrough time of more than 240 minutes with preference for > 480 minutes. For short-term/splash protection we recommend the same, but recognise that suitable gloves offering this level of protection may not be available. In this case a lower breakthrough time may be acceptable as long as appropriate glove maintenance and replacement regimes are rigorously followed. Glove thickness is not a good predictor of glove resistance to a chemical as it is dependent on the exact composition of the glove material. Depending on model and material, glove thickness generally should be greater than 0,35 mm. Suitability and durability of a glove is dependent on usage (= frequency and duration of contact), chemical resistance of glove material, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly.

Eye protection:

In case of splash hazard: safety glasses

Skin protection:

Wear suitable protective clothing

Respiratory protection:

Wear appropriate breathing apparatus if air renewal not sufficient to maintain dust/vapour under TLV. Half-face respirator with gas filter type B (filter material) - CEN standards EN 136, 140 and 405 provide recommendations for respiratory masks and EN 149 and 143 provide recommendations for the filters to be used.



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-----------------|---------------------|
| Physical state | : Liquid |
| Appearance | : Viscous liquid. |
| Colour | : Black. |
| Odour | : characteristic. |
| Odour threshold | : No data available |

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| | |
|------------------------------|--|
| pH | : No data available |
| Evaporation rate | : No data available |
| Melting point/melting range | : No data available |
| Freezing point | : No data available |
| Boiling point/range | : No data available |
| Flash point | : > 93 °C |
| Auto-ignition temperature | : Not self-igniting |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : No data available |
| Vapour pressure | : No data available |
| Vapour density | : No data available |
| Relative density (water = 1) | : 1,26 (20°C) |
| Solubility | : Water: The product reacts slowly with water resulting in evolution of carbon dioxide |
| Log Pow | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits | : No data available |

9.2. Other information

V.O.C. (V.O.S.) : 0 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

On burning: release of nitrous vapours, carbon monoxide - carbon dioxide. Hydrochloric acid (HCl).

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Keep away from: water, amines and alcohol's. Acids. bases.

10.4. Conditions to avoid

No information available

10.5. Incompatible materials

This product reacts slowly to water, which results in carbon dioxide. The pressure build-up in sealed wrappings may cause the wrapping to deform, swell or in extreme situations, burst.

10.6. Hazardous decomposition products

CO. CO₂. NO_x. HCl.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|-----------------------------|------------------|
| Acute toxicity (oral) | : Not classified |
| Acute toxicity (dermal) | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

4,4'-methylenediphenyl diisocyanate (101-68-8)

| | |
|--------------------|--------------|
| LD50/oral/rat | > 9200 mg/kg |
| LD50/dermal/rabbit | > 9400 mg/kg |

4,4'-methylenediphenyl diisocyanate, homopolymer (25686-28-6)

| | |
|--------------------|--------------|
| LD50/oral/rat | > 5000 mg/kg |
| LD50/dermal/rabbit | > 9400 |

propylene carbonate (108-32-7)

| | |
|--------------------|---------------|
| LD50/oral/rat | 34600 mg/kg |
| LD50/dermal/rabbit | > 23800 mg/kg |

| | |
|-----------------------------------|---|
| Skin corrosion/irritation | : Causes skin irritation. |
| Serious eye damage/irritation | : Causes serious eye irritation. |
| Respiratory or skin sensitisation | : May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. |

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| | |
|------------------------|--|
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Suspected of causing cancer. |
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : May cause respiratory irritation. |
| STOT-repeated exposure | : May cause damage to organs (respiratory system) through prolonged or repeated exposure (if inhaled). |
| Aspiration hazard | : Not classified |

SECTION 12: Ecological information

12.1. Toxicity

| | |
|--------------------------|------------------|
| Acute aquatic toxicity | : Not classified |
| Chronic aquatic toxicity | : Not classified |

4,4'-methylenediphenyl diisocyanate (101-68-8)

| | |
|------------------------|-------------|
| EC50/24h/daphnia magna | > 1000 mg/l |
|------------------------|-------------|

propylene carbonate (108-32-7)

| | |
|------------------------|--------------|
| EC50/24h/daphnia magna | > 1000 mg/kg |
|------------------------|--------------|

12.2. Persistence and degradability

No information available

12.3. Bioaccumulative potential

No information available

12.4. Mobility in soil

No information available

12.5. Results of PBT and vPvB assessment

No information available

12.6. Other adverse effects

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|-----------------------------------|--|
| Regional legislation (waste) | : Disposal must be done according to official regulations. |
| Waste / unused products | : Should not be landfilled with household waste. Avoid release to the environment. |
| European List of Waste (LoW) code | : 08 05 01* - waste isocyanates 15 01 02 - plastic packaging |

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

14.1. UN number

| | |
|---------------|------------------|
| UN-No. (ADR) | : Not applicable |
| UN-No. (IMDG) | : Not applicable |
| UN-No. (IATA) | : Not applicable |

14.2. UN proper shipping name

| | |
|-----------------------------|------------------|
| Proper Shipping Name (ADR) | : Not applicable |
| Proper Shipping Name (IMDG) | : Not applicable |
| Proper Shipping Name (IATA) | : Not applicable |

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

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Transport hazard class(es) (IATA) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : No
Further information : No supplementary information available

14.6. Special precautions for user

- Overland transport

Not applicable

- Transport by sea

Not applicable

- Air transport

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU Regulations

Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

V.O.C. (V.O.S.) : 0 g/l

15.1.2. National regulations

No information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:

| | |
|--|---|
| | ACGIH = American Conference of Governmental Industrial Hygienists |
| | ADR = Accord européen sur le transport des marchandises dangereuses par Route |
| | ATE = Acute Toxicity Estimate |
| | CAS = Chemical Abstracts Service |
| | CLP = Classification, labelling and packaging |
| | CSR = Chemical Safety Report |
| | DMEL = Derived Minimal Effect Level |
| | DNEL = Derived No-Effect Level |
| | DPD = Dangerous Preparation Directive |
| | DSD = Dangerous Substance Directive |
| | EINECS/ELINCS = European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances. |
| | GHS = Globally Harmonized System of Classification and Labelling of Chemicals |
| | HTP = Haitallisiksi tunnetut pitoisuudet |
| | IATA = International Air Transport Association |
| | ICAO = International Civil Aviation Organization |
| | IMDG = International Maritime Code for Dangerous Goods |
| | IOELV = Indicative Occupational Exposure Limit Value (EU) |

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| | |
|--|---|
| | LC50 = Lethal concentration, 50 percent |
| | LD50 = Lethal dose, 50 percent |
| | LEL = Lower Explosion Limit |
| | MAK = Maximale Arbeitsplatzkonzentrationen |
| | N.O.S. = Not Otherwise Specified |
| | MAL-kode = Måleteknisk Arbejdshygiejnisk Luftbehov |
| | NDS = Najwyższe Dopuszczalne Stężenie |
| | NDSCh = Najwyższe Dopuszczalne Stężenie Chwilowe |
| | OEL = Occupational Exposure Limits |
| | PBT = Persistent, bioaccumulative and toxic |
| | PNEC = Predicted No-Effect Concentration |
| | REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals |
| | RID = Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail). |
| | STEL = Short term exposure limit |
| | STOT RE = specific target organ toxicity repeated exposure |
| | STOT SE = specific target organ toxicity single exposure |
| | SVHC = Substance of Very High Concern |
| | TLV = Threshold Limit Value |
| | TRGS = Technischen Regeln für Gefahrstoffe |
| | TWA = time weighted average |
| | UEL = Upper Explosion Limit |
| | VLA-EC = valores límite ambientales para la exposición de corta duración |
| | VLA-ED = valores límite ambientales para la exposición diaria |
| | VLE = Valeur Limite d'exposition |
| | VME = Valeur Limite de Moyenne d'exposition |
| | VOC = Volatile Organic Compounds |
| | vPvB = very Persistent and very Bioaccumulative |
| | WGK = Wassergefährdungsklasse |

Full text of H- and EUH-statements:

| | |
|---------------------------|--|
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhal.), Category 4 |
| Carc. 2 | Carcinogenicity, Category 2 |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Sol. 1 | Flammable solids, Category 1 |
| Repr. 2 | Reproductive toxicity, Category 2 |
| Resp. Sens. 1 | Respiratory sensitisation, Category 1 |
| Skin Corr. 1B | Skin corrosion/irritation, Category 1B |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| Skin Sens. 1 | Skin sensitisation, Category 1 |
| STOT RE 2 | Specific target organ toxicity — Repeated exposure, Category 2 |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |
| H228 | Flammable solid. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| H335 | May cause respiratory irritation. |
| H351 | Suspected of causing cancer. |
| H361fd | Suspected of damaging fertility. Suspected of damaging the unborn child. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| EUH204 | Contains isocyanates. May produce an allergic reaction. |

Section(s) changed compared to the previous issue 3,9,16

Previous revision 19/01/2017

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Disclaimer with regard to REACH:

The information provided in this Safety Data Sheet is consistent with the information in the Chemical Safety Report, as far as this information was available at the time of compilation (see last revision date).

Disclaimer:

The information of this Safety Data Sheet is based on the present state of our knowledge and on current EC and national laws, as the users' working conditions are beyond our knowledge and control. The user is always responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this Safety Data Sheet provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. The information provided relates only to the specific product designated and may not be valid for such product used in combination with any other product. The product must not be used for any purposes other than those specified without first obtaining written handling instructions.