



BE SURE. BUILD SURE.

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## Safety data sheet according to UK REACH

Printing date 04.09.2024

Version number 29 (replaces version 28)

Revision: 04.09.2024

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

#### · 1.1 Product identifier

##### · Trade name

**MC-Fastpack PR solid - Komponente B**

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

##### · Sector of Use

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

##### · Product category

PC9a Coatings and paints, thinners, paint removers

##### · Process category

PROC10 Roller application or brushing

##### · Environmental release category

ERC8f Widespread use leading to inclusion into/onto article (outdoor)

ERC11a Widespread use of articles with low release (indoor)

##### · Article category

AC13 Plastic articles

##### · Application of the substance / the mixture

Knife filler/ Surfacer

#### · 1.3 Details of the supplier of the safety data sheet

##### · Manufacturer/Supplier:

MC-Bauchemie Müller GmbH & Co. KG  
Am Kruppwald 1-8  
D-46238 Bottrop  
Tel.: +49(0)2041-101-0  
Fax.: +49(0)2041-101-400  
E-Mail: info@mc-bauchemie.de

MC-Bauchemie AG  
Hagackerstr. 10  
CH-8953 Dietikon  
Tel.: +44-7400510  
Fax : +44-7400533

##### · Informing department:

msds@mc-bauchemie.de

##### · 1.4 Emergency telephone number:

Tel.: +49 / (0)700 24112112 (MCR)  
Tel.: +1 872 5888271 (MCR)

### SECTION 2: Hazards identification

#### · 2.1 Classification of the substance or mixture

##### · Classification according to Regulation (EC) No 1272/2008

Eye Dam. 1 H318 Causes serious eye damage.

Skin Sens. 1 H317 May cause an allergic skin reaction.

STOT SE 3 H335 May cause respiratory irritation.

STOT RE 1 H372 Causes damage to the lung through prolonged or repeated exposure.  
Route of exposure: Inhalation.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

#### · 2.2 Label elements

##### · Labelling according to

Regulation (EC) No 1272/2008 The product is classified and labelled according to the GB CLP regulation.

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· **Hazard pictograms**



GHS05 GHS07 GHS08

· **Signal word**

**Danger**

· **Hazard-determining components of labelling:**

Aliphatisches Polyisocyanat  
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane  
crystalline silica  
aliphatic polyisocyanate 1  
aliphatic polyisocyanate 2  
Hexamethylendiisocyanat, Oligomerisationsprodukt (Uretdion Typ)  
trimethoxyvinylsilane

· **Hazard statements**

H318 Causes serious eye damage.  
H317 May cause an allergic skin reaction.  
H335 May cause respiratory irritation.  
H372 Causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.  
H412 Harmful to aquatic life with long lasting effects.

· **Precautionary statements**

P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER/doctor.  
P321 Specific treatment (see on this label).  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.

· **Additional information:**

EUH204 Contains isocyanates. May produce an allergic reaction.  
As from 24 August 2023 adequate training is required before industrial or professional use.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.  
· **vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**

· **Description:**

Resin mixture.  
Mixture consisting of the following components.

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· <b>Dangerous components:</b>		
CAS: 14808-60-7	crystalline silica STOT RE 1, H372	30-60%
CAS: 1317-65-3	Calcium carbonate substance with a Community workplace exposure limit	30-60%
CAS: 28182-81-2	Aliphatisches Polyisocyanat Acute Tox. 4, H332; Skin Sens. 1, H317; STOT SE 3, H335, EUH204	≥20-≤30%
CAS: 2530-83-8 EINECS: 219-784-2	[3-(2,3-epoxypropoxy)propyl]trimethoxysilane Eye Dam. 1, H318	≥3-<5%
CAS: 164250-92-4	aliphatic polyisocyanate 1 Aquatic Chronic 2, H411; Acute Tox. 4, H332; Skin Sens. 1B, H317; STOT SE 3, H335	≥2.5-<3%
CAS: 29891-05-2	aliphatic polyisocyanate 2 Aquatic Chronic 2, H411; Acute Tox. 4, H332; Skin Sens. 1B, H317; STOT SE 3, H335	≥1-<1.5%
CAS: 28182-81-2 EC number: 931-297-3 Reg.nr.: :01-2119488934-20-0000	Hexamethylendiisocyanat, Oligomerisationsprodukt (Uretidion Typ) Acute Tox. 4, H332; Skin Sens. 1, H317; STOT SE 3, H335	≥0.1-<1%
CAS: 2768-02-7 EINECS: 220-449-8	trimethoxyvinylsilane Flam. Liq. 3, H226; STOT RE 2, H373; Skin Sens. 1B, H317	≥0.1-<0.5%

· **Additional information** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

· **4.1 Description of first aid measures**

- **General information** Remove soiled, soaked clothing immediately.
- **After inhalation** Remove person to fresh air, keep warm, allow to rest; if breathing is difficult, seek medical attention.
- **After skin contact** In case of contact with skin, wash carefully with plenty of soap and water. Consult a doctor in case of skin reactions.
- **After eye contact** Rinse the eyes with open eyelids for a sufficiently long time (at least 10 minutes) with water that is as lukewarm as possible. Consult an ophthalmologist.
- **After swallowing** Do NOT induce vomiting. Rinse mouth with water. Medical attention required.

· **4.2 Most important symptoms and effects, both acute and delayed**

Advice for the doctor: Elementary aid, decontamination, symptomatic treatment.

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- **4.3 Indication of any immediate medical attention and special treatment needed** Therapeutic measures: No information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** Put on breathing apparatus.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
- **6.2 Environmental precautions:** Inform respective authorities in case product reaches water or sewage system.
- **6.3 Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose of contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **6.4 Reference to other sections** No dangerous materials are released.  
See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.  
See Section 13 for information on disposal.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Ensure sufficient air exchange and/or extraction in the work areas.  
Air extraction is required for spray application.  
For solid products: Avoid dust formation and dust deposits.  
Air limit values mentioned in section 8 must be monitored.  
At workplaces where isocyanate aerosols and/or vapours can occur in higher concentrations, targeted air extraction must be used to prevent the occupational hygiene limit value from being exceeded. The air must be moved away from people.  
For products containing solvents: Explosion protection required.  
The personal protective measures described in section 8 must be observed. The protective measures required when handling

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isocyanates must be observed. Avoid contact with skin and eyes and inhalation of vapours.

Keep away from food and beverages. Wash hands before breaks and at the end of work and apply skin protection ointment. Store work clothes separately. Remove soiled, soaked clothing immediately.

**Information about protection against explosions and fires:**

Keep ignition sources away - do not smoke.  
Protect from heat.  
Do not store near heat sources.

**7.2 Conditions for safe storage, including any incompatibilities**

Keep container dry and tightly closed. Further information on the storage conditions that must be observed for quality assurance reasons can be found in our technical data sheet.

**Storage**

**Requirements to be met by storerooms and containers:**

Keep tightly closed in original packaging. Ventilate storage rooms well. Carefully close opened containers and store upright to prevent any leakage.

Storage temperature >5°C and <30°C

**Information about storage in one common storage facility:**

May be stored together with hazardous substances of other classes up to 200 kg.

**Further information about storage conditions:**

None.

**Storage class**

6.1C

**7.3 Specific end use(s)**

No further relevant information available.

## SECTION 8: Exposure controls/personal protection

**8.1 Control parameters**

**Components with critical values that require monitoring at the workplace:**

**CAS: 1317-65-3 Calcium carbonate**

WEL Long-term value: 10\* 4\*\* mg/m<sup>3</sup>  
\*inhalable dust; \*\*respirable

**DNELs**

**CAS: 1317-65-3 Calcium carbonate**

Oral DNEL 6.1 mg/kg bw/Tag (ArL)

Inhalative DNEL 10 mg/m<sup>3</sup> (ArL)

**CAS: 28182-81-2 Aliphatisches Polyisocyanat**

Inhalative DNEL 0.5 mg/m<sup>3</sup> (Workers) (long term local)

1 mg/m<sup>3</sup> (kei) (acute local eff)

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**CAS: 28182-81-2 Hexamethylendiisocyanat, Oligomerisationsprodukt (Uretdion Typ)**

Inhalative	DNEL	0.5 mg/m <sup>3</sup> (Workers) (long term local)
		1 mg/m <sup>3</sup> (kei) (acute local eff)

**· PNECs**

**CAS: 1317-65-3 Calcium carbonate**

PNEC	100 mg/l (Sewage Treatment Plant)
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**CAS: 28182-81-2 Aliphatisches Polyisocyanat**

PNEC aqua	12.7 µg/l (Daphnia magna) (marine)
PNEC	38.28 mg/l (kei) (STP)

**CAS: 28182-81-2 Hexamethylendiisocyanat, Oligomerisationsprodukt (Uretdion Typ)**

PNEC aqua	12.7 µg/l (Daphnia magna) (marine)
PNEC	38.28 mg/l (kei) (STP)

**· Additional information:** The lists that were valid during the compilation were used as basis.

**· 8.2 Exposure controls**

**· Appropriate engineering controls**

No further data; see section 7.

**· Individual protection measures, such as personal protective equipment**

**· General protective and hygienic measures**

Do not smoke, eat or drink while working. Have eye wash equipment ready.

Do not inhale gases/vapours/aerosols. Avoid contact with eyes and skin.

Do not store food in the work area. Wash hands before breaks and at the end of work.

**· Breathing equipment:**

Respiratory protection required at insufficiently ventilated workplaces and when working with splashes. Fresh air masks or combination filters A2-P2 (EN529) are recommended for short-term work.

If applicable, further recommendations for respiratory protection can be found in the appendix.

In case of hypersensitivity of the respiratory tract (asthma, chronic bronchitis), handling of the product is not recommended.

An nicht ausreichend entlüfteten Arbeitsplätzen und bei Spritzverarbeitung Atemschutz erforderlich. Empfohlen werden Frischluftmaske oder für kurzzeitige Arbeiten Kombinationsfilter A2-P2.

**· Hand protection**

Bei Überempfindlichkeit der Atemwege und der Haut (Asthma, chronische Bronchitis, chronische Hautleiden) wird der Umgang mit dem Produkt abgeraten.

Suitable materials for protective gloves; EN 374:

Butyl rubber - IIR: thickness ≥0.5mm; breakthrough time ≥480min.

Fluororubber - FKM: thickness ≥0.4mm; breakthrough time ≥480min.

Multi-layer glove - PE/EVAL/PE ; Breakthrough time ≥480 min.

Recommendation: Dispose of contaminated gloves.

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- **Material of gloves** *The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.*
- **Penetration time of glove material** *Butyl rubber - IIR: thickness  $\geq 0.5\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .  
Fluoro rubber - FKM: thickness  $\geq 0.4\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .  
Multi-layer glove - PE/EVAL/PE ; Breakthrough time  $\geq 480\text{ min}$ .*
- **Eye/face protection** *Wear safety goggles/face protection.*
- **Body protection:** *Wear suitable protective clothing when working.  
In case of hypersensitivity of the skin, handling of the product is not recommended.*

## SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Physical state** *Fluid*
- **Colour:** *White*
- **Smell:** *Characteristic*
- **Odour threshold:** *Not determined.*
- **Melting point/freezing point:** *Not determined*
- **Boiling point or initial boiling point and boiling range** *2230 °C (CAS: 14808-60-7 Quartz (SiO<sub>2</sub>))*
- **Flammability** *Not applicable.*
- **Lower and upper explosion limit**
- **Lower:** *Not determined.*
- **Upper:** *Not determined.*
- **Flash point:** *158 °C*
- **Decomposition temperature:** *Not determined.*
- **pH** *Mixture reacts violently with water.  
Not determined.*
- **Viscosity:**
- **Kinematic viscosity** *Not determined.*
- **dynamic:** *Not determined.*
- **Solubility**
- **Water:** *Readily soluble*
- **Partition coefficient n-octanol/water (log value)** *Not determined.*
- **Steam pressure at 20 °C:** *0 hPa (CAS: 28182-81-2 Aliphatisches Polyisocyanat)*
- **Density and/or relative density**
- **Density at 20 °C** *1.85 g/cm<sup>3</sup>*
- **Relative density** *Not determined.*
- **Vapour density** *Not determined.*

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· **9.2 Other information**

· **Appearance:**

· **Form:**

Pasty

· **Important information on protection of health and environment, and on safety.**

· **Self-inflammability:**

Product is not selfigniting.

· **Explosive properties:**

Product is not explosive.

· **Change in condition**

· **Evaporation rate**

Not determined.

· **Information with regard to physical hazard classes**

· **Explosives**

Void

· **Flammable gases**

Void

· **Aerosols**

Void

· **Oxidising gases**

Void

· **Gases under pressure**

Void

· **Flammable liquids**

Void

· **Flammable solids**

Void

· **Self-reactive substances and mixtures**

Void

· **Pyrophoric liquids**

Void

· **Pyrophoric solids**

Void

· **Self-heating substances and mixtures**

Void

· **Substances and mixtures, which emit flammable gases in contact with water**

Void

· **Oxidising liquids**

Void

· **Oxidising solids**

Void

· **Organic peroxides**

Void

· **Corrosive to metals**

Void

· **Desensitised explosives**

Void

## SECTION 10: Stability and reactivity

· **10.1 Reactivity**

No further relevant information available.

· **10.2 Chemical stability**

stable

· **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

· **10.3 Possibility of hazardous reactions**

Reacts with amines

· **10.4 Conditions to avoid**

No further relevant information available.

· **10.5 Incompatible materials:**

No further relevant information available.

· **10.6 Hazardous**

**decomposition products:**

No dangerous decomposition products known

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**SECTION 11: Toxicological information**

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values that are relevant for classification:**

**CAS: 1317-65-3 Calcium carbonate**

Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)

**CAS: 28182-81-2 Aliphatisches Polyisocyanat**

Oral	LD50	>2500 mg/kg (rat) (OECD 423)
Dermal	LD50	>2000 mg/kg (rat) (OECD 402)

**CAS: 2530-83-8 [3-(2,3-epoxypropoxy)propyl]trimethoxysilane**

Oral	LD50	8030 mg/kg (rat)
Dermal	LD50	4248 mg/kg (rabbit)

**CAS: 164250-92-4 aliphatic polyisocyanate 1**

Oral	LD50	>5000 mg/kg (rat)
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**CAS: 29891-05-2 aliphatic polyisocyanate 2**

Oral	LD50	>5000 mg/kg (rat)
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**CAS: 28182-81-2 Hexamethylendiisocyanat, Oligomerisationsprodukt (Uretdion Typ)**

Oral	LD50	>2500 mg/kg (rat) (OECD 423)
Dermal	LD50	>2000 mg/kg (rat) (OECD 402)

**CAS: 2768-02-7 trimethoxyvinylsilane**

Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>3400 mg/kg (rabbit)
Inhalative	LC50/4 h	2773 mg/l (rat)

- **Serious eye damage/irritation** Causes serious eye damage.
- **Respiratory or skin sensitisation** May cause an allergic skin reaction.
- **STOT-single exposure** May cause respiratory irritation.
- **STOT-repeated exposure** Causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.

- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

CAS: 128-37-0	2,6-Di-tert-butyl-p-cresol
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List II



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**SECTION 12: Ecological information**

**12.1 Toxicity**

**Aquatic toxicity:**

**CAS: 1317-65-3 Calcium carbonate**

EC50/72h	>14 mg/l (Desmodesmus subspicatus)
LC50/96h	>10000 mg/l (Oncorhynchus mykiss)
LC50/48h	>1000 mg/l (Daphnia magna)
EC50/48h	>1000 mg/l (Daphnia magna)

**CAS: 28182-81-2 Aliphatisches Polyisocyanat**

ErC10/72h	370 mg/l (Desmodesmus subspicatus) (EU C.3)
ErC50/72h	>1000 mg/l (Desmodesmus subspicatus) (EU C.3)

**CAS: 2530-83-8 [3-(2,3-epoxypropoxy)propyl]trimethoxysilane**

LC50/96h	55 mg/l (Cyp)
EC50/48h	473 mg/l (Daphnia magna)
ErC50/72h	255 mg/l (Scenedesmus subspicatus)

**CAS: 28182-81-2 Hexamethylendiisocyanat, Oligomerisationsprodukt (Uretidion Typ)**

ErC10/72h	370 mg/l (Desmodesmus subspicatus) (EU C.3)
ErC50/72h	>1000 mg/l (Desmodesmus subspicatus) (EU C.3)

**CAS: 2768-02-7 trimethoxyvinylsilane**

LC50/96h	>100 mg/l (Danio rerio)
	191 mg/l (Oncorhynchus mykiss)
EC50	>1000 mg/l (Bak)
EC50/48h	168.7 mg/l (Daphnia magna)

**12.2 Persistence and degradability**

No further relevant information available.

**12.3 Bioaccumulative potential**

No further relevant information available.

**12.4 Mobility in soil**

No further relevant information available.

**12.5 Results of PBT and vPvB assessment**

**PBT:**

Not applicable.

**vPvB:**

Not applicable.

**12.6 Endocrine disrupting properties**

For information on endocrine disrupting properties see section 11.

**12.7 Other adverse effects**

**Remark:**

Harmful to fish

**Additional ecological information:**

**General notes:**

Harmful to aquatic organisms

Do not allow product to reach ground water, water bodies or sewage system.

Danger to drinking water if even small quantities leak into soil.

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#### SECTION 13: Disposal considerations

**13.1 Waste treatment methods**

**Recommendation** Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

**Uncleaned packagings:**

**Recommendation:** Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

#### SECTION 14: Transport information

**14.1 UN number or ID number**

**ADR, IMDG, IATA** Void

**14.2 UN proper shipping name**

**ADR, IMDG, IATA** Void

**14.3 Transport hazard class(es)**

**ADR, ADN, IMDG, IATA**

**Class** Void

**14.4 Packing group**

**ADR, IMDG, IATA** Void

**14.5 Environmental hazards:**

**Marine pollutant:** No

**14.6 Special precautions for user**

Not applicable.

**14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

**UN "Model Regulation":**

Void

#### SECTION 15: Regulatory information

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

**Poisons Act**

**Regulated explosives precursors**

None of the ingredients is listed.

**Regulated poisons**

None of the ingredients is listed.

**Reportable explosives precursors**

None of the ingredients is listed.

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**· Reportable poisons**

None of the ingredients is listed.

**· Directive 2012/18/EU**

**· Named dangerous substances - ANNEX I**

None of the ingredients is listed.

**· 15.2 Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

**· Relevant phrases**

H226 Flammable liquid and vapour.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H372 Causes damage to organs through prolonged or repeated exposure.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H411 Toxic to aquatic life with long lasting effects.  
EUH204 Contains isocyanates. May produce an allergic reaction.

**· Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
ICAO: International Civil Aviation Organisation  
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
DNEL: Derived No-Effect Level (UK REACH)  
PNEC: Predicted No-Effect Concentration (UK REACH)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Flam. Liq. 3: Flammable liquids – Category 3  
Acute Tox. 4: Acute toxicity – Category 4  
Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
Skin Sens. 1: Skin sensitisation – Category 1  
Skin Sens. 1B: Skin sensitisation – Category 1B  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1  
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2  
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2  
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

**· \* Data compared to the previous version altered.**