

1 Identification

- **Product identifier**

- **Trade name:** IK-Fastfiller grau
- **Application of the substance / the mixture** Paint

- **Details of the supplier of the safety data sheet**

- **Manufacturer/Supplier:**

MIPA SE
 Am Oberen Moos 1
 D-84051 Essenbach
 Tel.: +49(0)8703-922-0
 Fax.: +49(0)8703-922-100
 e-mail: sdb-registratur@mipa-paints.com
www.mipa-paints.com

- **Importer USA:**

Fleetwood Products Inc.
 13 American Way Suite 15
 USA - NJ 08884 Spotswood
 Tel.: +1 7324169590
 e.mail: fleet089@hotmail.com

- **Emergency telephone number:**

011 49(0)700 24112112 (MIP)
 US Emergency Telephone Number (for transportation incidents only): 1-800-535-5053 (Infotrac)

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flam. Liq. 2 H225 Highly flammable liquid and vapor.



GHS08 Health hazard

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

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

STOT SE 3 H336 May cause drowsiness or dizziness.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS02



GHS07



GHS08

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 · **Signal word** *Danger*

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

xylene
propan-2-ol
bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight 700-1100)
butyl acetate

 · **Hazard statements**

H225 Highly flammable liquid and vapor.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs through prolonged or repeated exposure.

 · **Precautionary statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P405 Store locked up.

 · **Classification system:**

 · **NFPA ratings (scale 0 - 4)**

 · **HMIS-ratings (scale 0 - 4)**

 · **Other hazards**

 · **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

 · **Chemical characterization: Mixtures**

 · **Description:** Mixture of the substances listed below with nonhazardous additions.

 · **Dangerous components:**

67-63-0	propan-2-ol	10-25%
1330-20-7	xylene	≥10-≤20%
64-17-5	ethanol	2.5-10%
123-86-4	butyl acetate	2.5-10%
9004-70-0	Cellulose nitrate ≤ 12.6% Nitrogen	2.5-10%
100-41-4	ethylbenzene	2.5-10%
25068-38-6	bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight 700-1100)	≥1-<2.5%

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141-78-6	ethyl acetate	≥0.1-<2.5%
7664-38-2	phosphoric acid	≥0.1-<2.5%
162627-17-0	Fatty acids, C18-unsatd., dimers, reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine	≥0.1-≤1%

4 First-aid measures

- **Description of first aid measures**
- **General information:**
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After inhalation:**
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**

· **PAC-I:**

67-63-0	propan-2-ol	400 ppm
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1330-20-7	xylene	130 ppm
64-17-5	ethanol	1,800 ppm
13463-67-7	titanium dioxide	30 mg/m ³
123-86-4	butyl acetate	5 ppm
100-41-4	ethylbenzene	33 ppm
25068-38-6	bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight 700-1100)	90 mg/m ³
141-78-6	ethyl acetate	1,200 ppm
7664-38-2	phosphoric acid	3 mg/m ³
1317-61-9	triiron tetraoxide	21 mg/m ³
107-98-2	1-methoxy-2-propanol	100 ppm
1344-28-1	aluminium oxide	15 mg/m ³
78-93-3	butanone	200 ppm
1314-23-4	zirconium dioxide	14 mg/m ³
7631-86-9	silicon dioxide, chemically prepared	18 mg/m ³

· PAC-2:

67-63-0	propan-2-ol	2000* ppm
1330-20-7	xylene	920* ppm
64-17-5	ethanol	3300* ppm
13463-67-7	titanium dioxide	330 mg/m ³
123-86-4	butyl acetate	200 ppm
100-41-4	ethylbenzene	1100* ppm
25068-38-6	bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight 700-1100)	990 mg/m ³
141-78-6	ethyl acetate	1,700 ppm
7664-38-2	phosphoric acid	30 mg/m ³
1317-61-9	triiron tetraoxide	230 mg/m ³
107-98-2	1-methoxy-2-propanol	160 ppm
1344-28-1	aluminium oxide	170 mg/m ³
78-93-3	butanone	2700* ppm
1314-23-4	zirconium dioxide	110 mg/m ³
7631-86-9	silicon dioxide, chemically prepared	740 mg/m ³

· PAC-3:

67-63-0	propan-2-ol	12000** ppm
1330-20-7	xylene	2500* ppm
64-17-5	ethanol	15000* ppm
13463-67-7	titanium dioxide	2,000 mg/m ³
123-86-4	butyl acetate	3000* ppm
100-41-4	ethylbenzene	1800* ppm
25068-38-6	bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight 700-1100)	5,900 mg/m ³
141-78-6	ethyl acetate	10000** ppm
7664-38-2	phosphoric acid	150 mg/m ³
1317-61-9	triiron tetraoxide	1,400 mg/m ³
107-98-2	1-methoxy-2-propanol	660 ppm

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1344-28-1	aluminium oxide	990 mg/m ³
78-93-3	butanone	4000* ppm
1314-23-4	zirconium dioxide	680 mg/m ³
7631-86-9	silicon dioxide, chemically prepared	4,500 mg/m ³

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
 Keep away from heat and direct sunlight.
 Ensure good ventilation/exhaustion at the workplace.
 Prevent formation of aerosols.
- **Information about protection against explosions and fires:**
 Keep ignition sources away - Do not smoke.
 Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**
 Keep receptacle tightly sealed.
 Store in cool, dry conditions in well sealed receptacles.
- **Storage class:** 3
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
 The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
 At this time, the other constituents have no known exposure limits.

67-63-0 propan-2-ol

PEL	Long-term value: 980 mg/m ³ , 400 ppm
REL	Short-term value: 1225 mg/m ³ , 500 ppm Long-term value: 980 mg/m ³ , 400 ppm
TLV	Short-term value: 984 mg/m ³ , 400 ppm Long-term value: 492 mg/m ³ , 200 ppm
BEI	

1330-20-7 xylene

PEL	Long-term value: 435 mg/m ³ , 100 ppm
REL	Short-term value: 655 mg/m ³ , 150 ppm Long-term value: 435 mg/m ³ , 100 ppm
TLV	Short-term value: 651 mg/m ³ , 150 ppm Long-term value: 434 mg/m ³ , 100 ppm
BEI	

64-17-5 ethanol

PEL	Long-term value: 1900 mg/m ³ , 1000 ppm
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REL Long-term value: 1900 mg/m³, 1000 ppm
 TLV Short-term value: 1880 mg/m³, 1000 ppm

123-86-4 butyl acetate

PEL Long-term value: 710 mg/m³, 150 ppm
 REL Long-term value: 950 mg/m³, 200 ppm
 TLV Short-term value: 712 mg/m³, 150 ppm
 Long-term value: 238 mg/m³, 50 ppm

100-41-4 ethylbenzene

PEL Long-term value: 435 mg/m³, 100 ppm
 REL Short-term value: 545 mg/m³, 125 ppm
 Long-term value: 435 mg/m³, 100 ppm
 TLV Long-term value: 87 mg/m³, 20 ppm
 BEI

141-78-6 ethyl acetate

PEL Long-term value: 1400 mg/m³, 400 ppm
 REL Long-term value: 1400 mg/m³, 400 ppm
 TLV Long-term value: 1440 mg/m³, 400 ppm

7664-38-2 phosphoric acid

PEL Long-term value: 1 mg/m³
 REL Short-term value: 3 mg/m³
 Long-term value: 1 mg/m³
 TLV Short-term value: 3 mg/m³
 Long-term value: 1 mg/m³

· Ingredients with biological limit values:**67-63-0 propan-2-ol**

BEI 40 mg/L
 Medium: urine
 Time: end of shift at end of workweek
 Parameter: Acetone (background, nonspecific)

1330-20-7 xylene

BEI 1.5 g/g creatinine
 Medium: urine
 Time: end of shift
 Parameter: Methylhippuric acids

100-41-4 ethylbenzene

BEI 0.7 g/g creatinine
 Medium: urine
 Time: end of shift at end of workweek
 Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative)

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 Medium: end-exhaled air
 Time: not critical
 Parameter: Ethyl benzene (semi-quantitative)

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

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

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- Immediately remove all soiled and contaminated clothing.*
- Wash hands before breaks and at the end of work.*
- Do not inhale gases / fumes / aerosols.*
- Avoid contact with the skin.*
- Avoid contact with the eyes and skin.*

· **Breathing equipment:**



In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· **Protection of hands:**

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Breakthrough time of glove material**

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

- Form:** Fluid
- Color:** According to product specification
- **Odor:** Characteristic
- **Odor threshold:** Not determined.

· **pH-value:** Not determined.

· **Change in condition**

- Melting point/Melting range:** Undetermined.
- Boiling point/Boiling range:** 78°C (172 °F)

· **Flash point:** 12°C (54 °F) (DIN 53213)

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:** 370°C (698 °F) (DIN 51794)

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· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· Explosion limits:	
Lower:	1.1 Vol %
Upper:	12 Vol %
· Vapor pressure at 20°C (68 °F):	59 hPa (44 mm Hg)
· Density at 20°C (68 °F):	1.154 g/cm ³ (9.63 lbs/gal) (DIN 53217)
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with Water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic at 20°C (68 °F):	40 s (DIN 53211/4)
· Solvent content:	
Water:	0.4 %
VOC content:	52.27 %
	less exempt solvents 606 g/l / 5.1 lb/gl
	with exempt solvents 606 g/l / 5.1 lb/gl
Solids content (weight-%):	47.4 %
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:**
 - Possible in traces.
 - Nitrogen oxides
 - Hydrogen chloride (HCl)
 - Carbon monoxide
 - Nitrogen oxides (NOx)

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11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

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

1330-20-7 xylene

Oral	LD50	5,251 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)
Inhalative	LC50/4 h (Dämpfe)	29 mg/l (rat)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Irritating effect.
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Harmful
Irritant

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

14807-96-6	Talc	3
67-63-0	propan-2-ol	3
1330-20-7	xylene	3
64-17-5	ethanol	1
13463-67-7	titanium dioxide	2B
100-41-4	ethylbenzene	2B
1318-02-1	Zeolites	3

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**

- **General notes:**

Water hazard class 2 (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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· **Other adverse effects** No further relevant information available.

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13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **UN-Number**
· **DOT, ADR, IMDG, IATA** UN1263

· **UN proper shipping name**
· **DOT** Paint
· **ADR** UN1263 Paint
· **IMDG, IATA** PAINT

· **Transport hazard class(es)**
· **DOT**



· **Class** 3 Flammable liquids
· **Label** 3

· **ADR**



· **Class** 3 (F1) Flammable liquids
· **Label** 3

· **IMDG, IATA**



· **Class** 3 Flammable liquids
· **Label** 3

· **Packing group**
· **DOT, ADR, IMDG, IATA** II

· **Environmental hazards:**
· **Marine pollutant:** No

· **Special precautions for user** Warning: Flammable liquids
· **Danger code (Kemler):** 33
· **EMS Number:** F-E,S-E

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- | | |
|--|----------------------|
| · Stowage Category | B |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · Transport/Additional information: | |
| · IMDG | |
| · Limited quantities (LQ) | 5L |
| · UN "Model Regulation": | UN 1263 PAINT, 3, II |

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara

· **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

· **Section 313 (Specific toxic chemical listings):**

67-63-0	propan-2-ol
1330-20-7	xylene
100-41-4	ethylbenzene
7664-38-2	phosphoric acid
1344-28-1	aluminium oxide
78-93-3	butanone

· **Proposition 65**

· **Chemicals known to cause cancer:**

13463-67-7	titanium dioxide
100-41-4	ethylbenzene

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

64-17-5	ethanol
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· **Carcinogenicity categories**

· **EPA (Environmental Protection Agency)**

1330-20-7	xylene	I
100-41-4	ethylbenzene	D
78-93-3	butanone	I

· **TLV (Threshold Limit Value established by ACGIH)**

14807-96-6	Talc	A4	10-25%
67-63-0	propan-2-ol	A4	10-25%
1330-20-7	xylene	A4	e"10-≤20%
64-17-5	ethanol	A3	2.5-10%
13463-67-7	titanium dioxide	A4	2.5-10%
100-41-4	ethylbenzene	A3	2.5-10%

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1344-28-1	aluminium oxide	A4	e"0.1-≤1%
1314-23-4	zirconium dioxide	A4	0.1%

· NIOSH-Ca (National Institute for Occupational Safety and Health)

13463-67-7	titanium dioxide
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· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms


GHS02 GHS07 GHS08

· Signal word Danger
· Hazard-determining components of labeling:

xylene

propan-2-ol

bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight 700-1100)

butyl acetate

· Hazard statements

H225 Highly flammable liquid and vapor.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H336 May cause drowsiness or dizziness.

H373 May cause damage to organs through prolonged or repeated exposure.

· Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

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

P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P405 Store locked up.

· National regulations:

Class	Share in %
NK	50-100

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Date of preparation / last revision** 01/15/2018 / 21

· 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 européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

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ACGIH: American Conference of Governmental Industrial Hygienists
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)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
BEI: Biological Exposure Limit
Flam. Liq. 2: Flammable liquids – Category 2
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
Skin Sens. 1: Skin sensitisation – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

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

USA