

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 18.01.2022

Revision: 18.01.2022

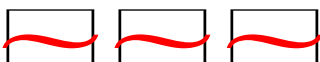
SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier** For Industrial, professional and consumer only
- **Trade name:** Goldfarben Craigs Brilliant White
- **1.2 Relevant identified uses of the substance or mixture and uses advised against** Surface Coating
- **Application of the substance / the mixture** Surface Coating
- **1.3 Details of the supplier of the safety data sheet**
- **Supplier:**
Goldfarben Ltd
Unit 7
Lockwood Way
Parkside Industrial Estate
Leeds
LS11 5TQ
- **Further information obtainable from:** www.goldfarben.co.uk
- **1.4 Emergency telephone number:** 01132712352

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
Flam. Liq. 3 H226 Flammable liquid and vapour.
Skin Sens. 1 H317 May cause an allergic skin reaction.
STOT SE 3 H336 May cause drowsiness or dizziness.
STOT RE 1 H372 Causes damage to organs through prolonged or repeated exposure.
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.
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 CLP regulation.
- **Hazard pictograms**



GHS02 GHS07 GHS08

- **Signal word** Danger
- **Hazard-determining components of labelling:**
Hydrocarbons, C9-12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)
Hydrocarbons, C9 - C11, n-alkanes, isoalkanes, cyclics,
<2% aromatics
Solvent naphtha (petroleum), light aromatic
cobalt bis(2-ethylhexanoate)

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2-butanone oxime

· **Hazard statements**

H226 Flammable liquid and vapour.

H317 May cause an allergic skin reaction.

H336 May cause drowsiness or dizziness.

H372 Causes damage to organs through prolonged or repeated exposure.

H304 May be fatal if swallowed and enters airways.

H412 Harmful to aquatic life with long lasting effects.

· **Precautionary statements**

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P321 Specific treatment (see on this label).

P331 Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P362+P364 Take off contaminated clothing and wash it before reuse.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **2.3 Other hazards**· **Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterisation: Mixtures**· **Description:** Mixture of substances listed below with nonhazardous additions.· **Dangerous components:**

EC number: 919-446-0 Reg.nr.: 01-2119458049-33-xxxx	Hydrocarbons, C9-12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) <input type="checkbox"/> Flam. Liq. 3, H226; <input type="checkbox"/> STOT RE 1, H372; <input type="checkbox"/> Asp. Tox1 H304; <input type="checkbox"/> Aquatic Chronic 2, H411; <input type="checkbox"/> STOT SE 3, H336	>10-≤25%
EC number: 919-857-5 Reg.nr.: 01-2119463258-33-xxxx	Hydrocarbons, C9 - C11, n-alkanes, isoalkanes, cyclics, <2% aromatics <input type="checkbox"/> Flam. Liq. 3, H226; <input type="checkbox"/> Asp. Tox. 1, H304; <input type="checkbox"/> STOT SE 3, H336	>2.5-≤10%
EC number: 918-668-5 Reg.nr.: 01-2119455851-35-xxxx	Solvent naphtha (petroleum), light aromatic <input type="checkbox"/> Flam. Liq. 3, H226; <input type="checkbox"/> Asp. Tox. 1, H304; <input type="checkbox"/> Aquatic Chronic 2, H411; <input type="checkbox"/> STOT SE 3, H335-H336	>1-≤2.5%
CAS: 96-29-7 EINECS: 202-496-6 Reg.nr.: 01-2119539477-28	2-butanone oxime <input type="checkbox"/> Carc. 2, H351; <input type="checkbox"/> Eye Dam. 1, H318; <input type="checkbox"/> Acute Tox. 2, H312; <input type="checkbox"/> Skin Sens. 1, H317	≤1%
CAS: 77-99-6 EINECS: 201-074-9 Reg.nr.: 01-2119486799-10	1,1,1-Trimethylolpropane <input type="checkbox"/> Repr. 2, H361fd	≤1%
CAS: 136-52-7 EINECS: 205-250-6 Reg.nr.: 01-2119524678-29	cobalt bis(2-ethylhexanoate) <input type="checkbox"/> Repr. 1A, H360Fd; <input type="checkbox"/> Aquatic Acute 1, H400; <input type="checkbox"/> Eye Irrit. 2, H319; <input type="checkbox"/> Skin Sens. 1A, H317; <input type="checkbox"/> Aquatic Chronic 3, H412	≤1%
CAS: 22464-99-9 EINECS: 245-018-1 Reg.nr.: 01-2119979088-21	2-ethylhexanoic acid, zirconium salt <input type="checkbox"/> Repr. 2, H361d; <input type="checkbox"/> Skin Irrit. 2, H315; <input type="checkbox"/> Eye Irrit. 2, H319	≤1%

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· **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:** Immediately remove any clothing soiled by the product.
- **After inhalation:**
Supply fresh air and call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing.
Immediately rinse with water.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** Do not induce vomiting; call for medical help immediately and show safety datasheet or label.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** Treat symptomatically.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**
During heating or in case of fire poisonous gases are produced.
- **5.3 Advice for firefighters**
- **Protective equipment:** Mount respiratory protective device.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Prevent seepage into sewage system, workpits and cellars.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **6.3 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.
- **6.4 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.

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SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

Ensure good ventilation/extraction at the workplace.

Prevent formation of aerosols.

Hygiene measures:

Wash hands before breaks and at the end of workday.

· Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage:

· Requirements to be met by storerooms and receptacles:

Materials such as cleaning rags, paper wipes and protective clothing, which are contaminated with the product may spontaneously self-ignite some hours later. To avoid the risk of fires, all contaminated materials should be [stored in purpose-built containers or in metal containers with tight-fitting self-closing lids.] or [laid out flat in a single layer to dry] or [placed in a metal container soaked with water] or [washed out well with warm soapy water before disposal.] Contaminated materials should be removed from the workplace at the end of each working day and stored outside.

· Information about storage in one common storage facility: Not required.

· Further information about storage conditions:

Keep receptacle tightly sealed and in a well-ventilated place.

Keep away from heat.

· 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· Additional information about design of technical facilities: No further data; see item 7.

· Ingredients with limit values that require monitoring at the workplace:

**Hydrocarbons, C9 - C11, n-alkanes, isoalkanes, cyclics,
<2% aromatics**

OEL Short-term value: 1200 mg/m³

Solvent naphtha (petroleum), light aromatic

OEL Long-term value: 100 mg/m³

96-29-7 2-butanone oxime

OEL Long-term value: 1 mg/m³, 0.3 ppm

136-52-7 cobalt bis(2-ethylhexanoate)

WEL Long-term value: 0.1 mg/m³
as Co; Carc, Sen

· DNELs

Hydrocarbons, C9-12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Oral DNEL 26 mg/day (Con)

Dermal DNEL 26 mg/day (Con)

44 mg/day (Ind)

Inhalative DNEL

71 mg/m³ (Con)

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		330 mg/m ³ (Ind)
Hydrocarbons, C9 - C11, n-alkanes, isoalkanes, cyclics, <2% aromatics		
Oral	DNEL	125 mg/day (Con)
Dermal	DNEL	125 mg/day (Con)
		208 mg/day (Ind)
Inhalative	DNEL	185 mg/m ³ (Con)
		871 mg/m ³ (Ind)
Solvent naphtha (petroleum), light aromatic		
Oral	DNEL	11 mg/day (Con)
Dermal	DNEL	11 mg/day (Con)
		25 mg/day (Ind)
Inhalative	DNEL	32 mg/m ³ (Con)
		150 mg/m ³ (Ind)
96-29-7 2-butanone oxime		
Dermal	DNEL	0.78 mg/day (Con)
		1.3 mg/day (Ind)
Inhalative	DNEL	2.7 mg/m ³ (Con)
		9 mg/m ³ (Ind)
77-99-6 1,1,1-Trimethylolpropane		
Oral	DNEL	0.34 mg/day (Con)
Dermal	DNEL	0.34 mg/day (Con)
		0.94 mg/day (Ind)
Inhalative	DNEL	0.58 mg/m ³ (Con)
		3.3 mg/m ³ (Ind)

- **PNECs**

CAS No. 1330-20-7 Xylene mixed isomers

- Fresh water; 0.327 mg/l
- Marine water; 0.327 mg/l
- Intermittent release; 0.327 mg/l
- STP; 6.58 mg/l
- Sediment (Freshwater); 12.46 mg/kg
- Sediment (Marinewater); 12.46 mg/kg
- Soil; 2.31 mg/kg

- **Additional information:** The lists valid during the making were used as basis.

- **8.2 Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Store protective clothing separately.

- **Respiratory protection:** When spraying the product, use a respiratory protective device.

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· **Protection of hands:**

Σ Protective gloves

· **Eye protection:**

P Tightly sealed goggles

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**· **General Information**· **Appearance:**

· Form:	Liquid
· Colour:	White
· Odour:	Characteristic
· Odour threshold:	Not determined.

· pH-value:	Not determined.
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· **Change in condition**

· Melting point/freezing point:	Undetermined.
· Initial boiling point and boiling range:	139 °C

· Flash point:	38 °C
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· Flammability (solid, gas):	Not applicable.
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· Ignition temperature:	240 °C
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· Decomposition temperature:	Not determined.
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· Auto-ignition temperature:	Product is not selfigniting.
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· Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
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· **Explosion limits:**

· Lower:	0.6 Vol %
· Upper:	7 Vol %

· Vapour pressure:	Not determined.
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· Density at 20 °C:	1.333 g/cm ³
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· Relative density	Not determined.
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· Vapour density	Not determined.
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· Evaporation rate	Not determined.
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· **Solubility in / Miscibility with water:**

NOT MISCIBLE

· Partition coefficient: n-octanol/water:	Not determined.
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· **Viscosity:**

· Dynamic at 20 °C:	3.2 mPas
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Kinematic:	Not determined.	(Contd. of page 7)
Solvent content:		
Organic solvents:	34.0 %	
Solids content:	66.0 %	
9.2 Other information	No further relevant information available.	

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **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 when stored and handled correctly

SECTION 11: Toxicological information

11.1 Information on toxicological effects

· **Acute toxicity** Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

Hydrocarbons, C9-12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Oral	LD50	>15,000 mg/kg (Rat)
Dermal	LD50	>3,400 mg/kg (Rab)
Inhalative	LC50/4 h	13.1 mg/l (Rat)

Hydrocarbons, C9 - C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Oral	LD50	>5,000 mg/kg (Rat)
Dermal	LD50	>5,000 mg/kg (Rat)

Solvent naphtha (petroleum), light aromatic

Oral	LD50	3,492 mg/kg (rat)
Dermal	LD50	3,160 mg/kg (Rab)
Inhalative	LC50/4 h	>6.193 mg/l (rat)

96-29-7 2-butanone oxime

Oral	LD50	2,326 mg/kg (rat)
Dermal	LD50	1,000 mg/kg (Rab)
		200-2,000 mg/kg (rat)
Inhalative	LC50/4 h	>4.8 mg/l (rat)

77-99-6 1,1,1-Trimethylolpropane

Oral	LD50	Dermal
Dermal	LD50	Inhalative
Inhalative	LC50/4 h	>0.29 mg/l (rat)

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- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation**
May cause an allergic skin reaction.
- **Additional toxicological information:**
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure**
May cause drowsiness or dizziness.
- **STOT-repeated exposure**
Causes damage to organs through prolonged or repeated exposure.
- **Aspiration hazard**
May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:**
- Acute Fish toxicity
- Solvent naphtha (petroleum), light arom. (content of benzene less than 0,1 %)
- LC50 9.22 mg/l
- Species: *Oncorhynchus mykiss* (rainbow trout)
- Exposure duration: 96 h

- Acute toxicity for daphnia
- Solvent naphtha (petroleum), light arom. (content of benzene less than 0,1 %)
- EC50 6.14 mg/l
- Species: *Daphnia magna* (Water flea)
- Exposure duration: 48 h

- Acute toxicity for algae
- Solvent naphtha (petroleum), light arom. (content of benzene less than 0,1 %)
- ErC50 2.9 mg/l
- Species: *Pseudokirchneriella subcapitata* (green algae)
- Exposure duration: 72 h

- Acute bacterial toxicity
- Solvent naphtha (petroleum), light arom. (content of benzene less than 0,1 %)
- EC50 1 - 10 mg/l

- Ecotoxicology Assessment
- Solvent naphtha (petroleum), light arom. (content of benzene less than 0,1 %)
- Chronic aquatic toxicity: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Data based on the safety data sheet (SDS) by the supplier.
- **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.
- **Ecotoxic effects:**
- **Remark:** Harmful to fish

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- **Additional ecological information:**
- **General notes:**
Water danger class 3 (German Regulation) (Self-assessment): extremely hazardous for water
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Danger to drinking water if even extremely small quantities leak into the ground.
Harmful to aquatic organisms
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

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

SECTION 14: Transport information

- | | |
|---|-----------------------------|
| · 14.1 UN-Number | UN1263 |
| · ADR, IMDG, IATA | |
| · 14.2 UN proper shipping name | 1263 PAINT RELATED MATERIAL |
| · ADR | 1263 PAINT RELATED MATERIAL |
| · IMDG, IATA | PAINT RELATED MATERIAL |
| · 14.3 Transport hazard class(es) | |
| · ADR, IMDG, IATA | |
|  | |
| · Class | 3 Flammable liquids. |
| · Label | 3 |
| · 14.4 Packing group | III |
| · ADR, IMDG, IATA | |
| · 14.5 Environmental hazards: | Not applicable. |
| · 14.6 Special precautions for user | Warning: Flammable liquids. |
| · Hazard identification number (Kemler code): | 30 |
| · EMS Number: | F-E, S-E |
| · Stowage Category | A |
| · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |

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· **Transport/Additional information:**· **ADR**

- Limited quantities (LQ)
- Excepted quantities (EQ)

5L
Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml

- Transport category
- Tunnel restriction code

3
D/E

· **IMDG**

- Limited quantities (LQ)
- Excepted quantities (EQ)

5L
Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml

- UN "Model Regulation":

UN 1263 PAINT RELATED MATERIAL, 3, III

SECTION 15: Regulatory information

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

· Directive 2012/18/EU

· Named dangerous substances - ANNEX I None of the ingredients is listed.

· Seveso category P5c FLAMMABLE LIQUIDS

· Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t

· Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t

· National regulations:

· Technical instructions (air):

Class	Share in %
I	0.4
NK	34.0

· Waterhazard class: Water danger class 3 (Self-assessment): extremely hazardous for water.

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

SECTION 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.

· Full text of H-Statements referred to under sections 2 and 3:

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H351 Suspected of causing cancer.

H360Fd May damage fertility. Suspected of damaging the unborn child.

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*H361d Suspected of damaging the unborn child.**H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.**H372 Causes damage to organs through prolonged or repeated exposure.**H400 Very toxic to aquatic life.**H411 Toxic to aquatic life with long lasting effects.**H412 Harmful to aquatic life with long lasting effects.*· **Department issuing SDS:** Product safety department: **LABORATORY**· **Abbreviations and acronyms:***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 (REACH)**PNEC: Predicted No-Effect Concentration (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**Skin Irrit. 2: Skin corrosion/irritation – Category 2**Eye Dam. 1: Serious eye damage/eye irritation – Category 1**Eye Irrit. 2: Serious eye damage/eye irritation – Category 2**Skin Sens. 1: Skin sensitisation – Category 1**Skin Sens. 1A: Skin sensitisation – Category 1A**Carc. 2: Carcinogenicity – Category 2**Repr. 1A: Reproductive toxicity – Category 1A**Repr. 2: Reproductive toxicity – Category 2**Repr. 2: Reproductive toxicity – Category 2**STOT SE 3: Specific target organ toxicity (single exposure) – Category 3**STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1**Asp. Tox. 1: Aspiration hazard – Category 1**Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1**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*

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