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

Printing date 08.11.2021 Revision: 08.11.2021

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 Silver Leaf
- · Article number: 8076
- · 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. Eye Irrit. 2 H319 Causes serious eye irritation.

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

Carc. 2 H351 Suspected of causing cancer.

Repr. 1A H360Fd May damage fertility. Suspected of damaging the unborn child.

STOT SE 3 H336 May cause drowsiness or dizziness.

STOT RE 1 H372 Causes damage to organs through prolonged or repeated exposure.

Aquatic Chronic 2 H411 Toxic 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

08 GHS09

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

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

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2-butanone oxime

cobalt bis(2-ethylhexanoate)

phthalic anhydride

· Hazard statements

H226 Flammable liquid and vapour.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer.

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

H336 May cause drowsiness or dizziness.

H372 Causes damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

· Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

P241 Use explosion-proof [electrical/ventilating/lighting] equipment.

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

[or 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.

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.

EC number: 919-446-0	Hydrocarbons, C9-12, n-alkanes, isoalkanes, cyclics, aromatics	>10- ≤ 25%
Reg.nr.: 01-2119458049-33-xxxx		
	♦ Flam. Liq. 3, H226; ♦ STOT RE 1, H372; Asp. Tox. 1, H304; ♦ Aquatic Chronic 2, H411; ♦ STOT SE 3, H336	
EC number: 919-857-5	Hydrocarbons, C9 - C11, n-alkanes, isoalkanes, cyclics,	>10- ≤ 25%
Reg.nr.: 01-2119463258-33-xxxx	<2% aromatics	
	♦ Flam. Liq. 3, H226; ♦ Asp. Tox. 1, H304; ♦ STOT SE 3, H336	
EC number: 918-668-5	Solvent naphtha (petroleum), light aromatic	>2.5- ≤ 10%
Reg.nr.: 01-2119455851-35-xxxx	♦ Flam. Liq. 3, H226; ♦ Asp. Tox. 1, H304; ♦ Aquatic Chronic 2, H411; ♦ STOT SE 3, H335-H336	
CAS: 96-29-7	2-butanone oxime	>1 -≤ 2.5%
EINECS: 202-496-6 Reg.nr.: 01-2119539477-28	♦ Carc. 2, H351; ♦ Eye Dam. 1, H318; ♦ Acute Tox. 4, H312; Skin Sens. 1, H317	
CAS: 1330-20-7	Xylene (mix)	>1- ≤ 2.5%
EINECS: 215-535-7	♦ Flam. Liq. 3, H226; ♦ STOT RE 2, H373; Asp. Tox. 1,	
Reg.nr.: 01-2119488216-32-xxxx	H304; 1 Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	

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CAS: 136-52-7	cobalt bis(2-ethylhexanoate)	<i>≤</i> 1%
EINECS: 205-250-6 Reg.nr.: 01-2119524678-29	 Repr. 1A, H360Fd; Aquatic Acute 1, H400; Eye Irrit. H319; Skin Sens. 1A, H317; Aquatic Chronic 3, H412 	
CAS: 22464-99-9	2-ethylhexanoic acid, zirconium salt	<i>≤1%</i>
EINECS: 245-018-1 Reg.nr.: 01-2119979088-21	♦ Repr. 2, H361d; ♦ Skin Irrit. 2, H315; Eye Irrit. 2, H319	
CAS: 85-44-9	phthalic anhydride	<i>≤</i> 1%
EINECS: 201-607-5	Resp. Sens. 1, H334;	
Reg.nr.: 01-2119457017-41		
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. If symptoms persist, consult a doctor.

- · 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.

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· 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.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

Ensure good ventilation/extraction at the workplace.

Open and handle receptacle with care.

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

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1330-20-7	Xylene	(Contd.	or pu
WEL Short-term value: 441 mg/m³, 100 ppm			
Long-term value: 220 mg/m³, 50 ppm			
Sk; BMGV			
		is(2-ethylhexanoate)	
	g-term v o; Carc	value: 0.1 mg/m³	
	-		
85-44-9 ph		annyariae value: 12 mg/m³	
		value: 12 mg/m³	
Sen	,		
DNELs			
	ons, C	9-12, n-alkanes, isoalkanes,cyclics, aromatics (2-25%)	
Oral		26 mg/day (Con)	
Dermal		26 mg/day (Con)	
		44 mg/day (Ind)	
Inhalative	DNEL	$71 \text{ mg/m}^3 \text{ (Con)}$	
		$330 \text{ mg/m}^3 (Ind)$	
Hydrocarb	ons, C	9 - C11, n-alkanes, isoalkanes, cyclics,	
<2% arom			
Oral		125 mg/day (Con)	
Dermal	DNEL	125 mg/day (Con)	
		208 mg/day (Ind)	
Inhalative	DNEL	$185 \text{ mg/m}^3 (Con)$	
		871 mg/m^3 (Ind)	
		(petroleum), light aromatic	
Oral		11 mg/day (Con)	
Dermal	DNEL	11 mg/day (Con)	
		25 mg/day (Ind)	
Inhalative	DNEL	$32 \text{ mg/m}^3 (Con)$	
		$150 \text{ mg/m}^3 \text{ (Ind)}$	
96-29-7 2-			
Dermal	DNEL	0.78 mg/day (Con)	
		1.3 mg/day (Ind)	
Inhalative	DNEL	$2.7 \text{ mg/m}^3 (Con)$	
		$9 \text{ mg/m}^3 \text{ (Ind)}$	
1330-20-7	-		
Dermal	DNEL	108 mg/day (Con)	
	DVE	180 mg/day (Ind)	
Inhalative	DNEL	$14.8 \text{ mg/m}^3 (Con)$	
DVEC		77 mg/m^3 (Ind)	
		-7 Xylene mixed isomers	
PNECs CAS No. 1	330-20-		

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- STP; 6.58 mg/l
- Sediment (Freshwater); 12.46 mg/kg
- Sediment (Marinewater); 12.46 mg/kg
- Soil; 2.31 mg/kg

· Ingredients with biological limit values:

1330-20-7 Xylene (mix)

BMGV 650 mmol/mol creatinine

Medium: urine

Sampling time: post shift Parameter: methyl hippuric acid

- · 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.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

- · Respiratory protection: When spraying the product, use a respiratory protective device.
- · Protection of hands:



Protective gloves

· Eye protection:



Tightly sealed goggles

SECTION 9: Physical and chemical properties

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

Form: Liquid

Colour: Silver-coloured
Odour: Characteristic
Odour threshold: Not determined.

· pH-value: Not determined.

· Change in condition

Melting point/freezing point: Undetermined.

Initial boiling point and boiling range: 139 °C

· Flash point: 29 °C

· Flammability (solid, gas): Not applicable.

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Ignition temperature:	240 °C
Decomposition temperature:	Not determined.
Auto-ignition temperature:	Product is not selfigniting.
Explosive properties:	Product is not explosive. However, formation of explosive air/vapoumixtures are possible.
Explosion limits:	
Lower:	0.6 Vol %
Upper:	7 Vol %
Vapour pressure at 20 °C:	2 hPa
Density at 20 °C:	1.031 g/cm³
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with	
water:	NOT MISCIBLE
Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic at 20 °C:	100 mPas
Kinematic:	Not determined.
Solvent content:	
Organic solvents:	42.5 %
Solids content:	57.5 %
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)
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Inhalative	LC50/4 h	13.1 mg/l (Rat)
•		C11, n-alkanes, isoalkanes, cyclics,
<2% arom	atics	
Oral	LD50	>5,000 mg/kg (Rat)
Dermal	LD50	>5,000 mg/kg (Rat)
Solvent na	phtha (pet	roleum), light aromatic
Oral	LD50	3,492 mg/kg (rat)
Dermal	<i>LD50</i>	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	<i>LD50</i>	1,000 mg/kg (Rab)
		200-2,000 mg/kg (rat)
Inhalative	LC50/4 h	>4.8 mg/l (rat)
1330-20-7 Xylene (mix)		
Oral	LD50	5,000 mg/kg (Rat)
Dermal	<i>LD50</i>	2,000 mg/kg (rbt)
Inhalative	LC50/4 h	11 mg/l (Rat)
Duina ann in	•, , CC	

- Primary irritant effect:
- · Skin corrosion/irritation Based on available data, the classification criteria are not met.
- · Serious eye damage/irritation

Causes serious eye irritation.

· Respiratory or skin sensitisation

May cause an allergic skin reaction.

- · Additional toxicological information:
- · CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
- · Germ cell mutagenicity Based on available data, the classification criteria are not met.
- · Carcinogenicity

Suspected of causing cancer.

· Reproductive toxicity

May damage fertility. Suspected of damaging the unborn child.

· STOT-single exposure

May cause drowsiness or dizziness.

· STOT-repeated exposure

Causes damage to organs through prolonged or repeated exposure.

· Aspiration hazard Based on available data, the classification criteria are not met.

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

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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.
- · Ecotoxical effects:
- · Remark: Toxic for fish
- · 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.

Also poisonous for fish and plankton in water bodies.

Toxic for 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
- · ADR, IMDG, IATA

UN1263

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14.2 UN proper shipping name	
ADR	1263 PAINT RELATED MATERIAL, ENVIRONMENTALL
	HAZARDOUS
IMDG	PAINT RELATED MATERIAL (TURPENTINE SUBSTITUTE
	Solvent naphtha (petroleum), light aromatic), MARIN
	POLLUTANT
IATA	PAINT RELATED MATERIAL
14.3 Transport hazard class(es)	
ADR, IMDG	
Class	3 Flammable liquids.
Label	3
IATA	
Class	3 Flammable liquids.
Label	3
14.4 Packing group	
ADR, IMDG, IATA	III
14.5 Environmental hazards:	Product contains environmentally hazardous substance.
	cobalt bis(2-ethylhexanoate)
Marine pollutant:	Symbol (fish and tree)
Special marking (ADR):	Symbol (fish and tree)
14.6 Special precautions for user	Warning: Flammable liquids.
Hazard identification number (Kemler code):	30
EMS Number:	F-E,S-E
Stowage Category	$A \stackrel{\checkmark}{=}$
14.7 Transport in bulk according to Annex II o	f
Marpol and the IBC Code	Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	<i>5L</i>
Excepted quantities (EQ)	Code: E1
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 ml
Transport category	3
Tunnel restriction code	D/E
IMDG	
IMDG	

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· Excepted quantities (EQ)	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, ENVIRONMENTALLY HAZARDOUS

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
- E2 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

- Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- · National regulations:
- · Technical instructions (air):

Class	Share in %
Ι	2.0
NK	42.5

- · 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.
- H302 Harmful if swallowed.
- 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.
- H332 Harmful if inhaled.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- 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.
- H361d Suspected of damaging the unborn child.
- H372 Causes damage to organs through prolonged or repeated exposure.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.
- *H411 Toxic to aquatic life with long lasting effects.*

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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

Resp. Sens. 1: Respiratory sensitisation – Category 1

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

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

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