

Safety Data Sheet according to WHS Regulations

Vers.-Nr: 1


Revision: 02.02.2024

Hazardous according to criteria of Australian Safety and Compensation Council.

1 Identification

- **Product identifier**
- **Trade name:** Transocean Cleanship 291AU
- **Article number:** 291AU-R
- **Registration number APVMA approved Number 135746**
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance/preparation:**
Antifouling paint
Paint
- **Details of the supplier of the safety data sheet**
- **Manufacturer/supplier:**
Transocean Coatings
Wagon Paints Australia Pty Ltd
ABN: 76 412 791 772
Street address: 5 Stephenson Road, Bayswater North
VIC, 3153 Australia
Phone: +613 9729-1344
Fax: +613 9720 2719
- **Emergency telephone number:**
- Medical Emergencies: 24 Hours
- Poisons Information Centre (Australia): 131 126

2 Hazard(s) Identification

- **Classification of the substance or mixture**
Flam. Liq. 3 H226 Flammable liquid and vapour.
Acute Tox. 4 H302 Harmful if swallowed.
Skin Irrit. 2 H315 Causes skin irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.
Carc. 2 H351 Suspected of causing cancer.
STOT SE 3 H335 May cause respiratory irritation.
- **Label elements**
- **GHS label elements**
The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**

GHS02 GHS07 GHS08
- **Signal word** Warning
- **Hazard-determining components of labelling:**
dicopper oxide
Rosin
diuron(ISO)

(Contd. on page 2)

Safety Data Sheet according to WHS Regulations

Vers.-Nr: 1

Revision: 02.02.2024

Trade name: Transocean Cleanship 291AU

(Contd. of page 1)

· **Hazard statements**

H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H351 Suspected of causing cancer.
H335 May cause respiratory irritation.

· **Precautionary statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting equipment.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Other hazards**

· **Results of PBT and vPvB assessment**

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

3 Composition and Information on Ingredients

· **Chemical characterisation: Mixtures**

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

· **Dangerous components:**

1317-39-1	dicopper oxide ⚠ Acute Tox. 4, H302	25-50%
1330-20-7	xylene, mixture of isomers ⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H335	≥20-≤25%
8050-09-7	Rosin ⚠ Skin Sens. 1, H317	10-25%
330-54-1	diuron(ISO) ⚠ Carc. 2, H351; STOT RE 2, H373; ⚠ Acute Tox. 4, H302	≥2.5-<10%
64742-95-6	Hydrocarbons, C9, aromatics ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ STOT SE 3, H335-H336	2.5-10%

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

4 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:** In case of unconsciousness place patient stably in side position for transportation.

(Contd. on page 3)

Safety Data Sheet according to WHS Regulations

Vers.-Nr: 1

Revision: 02.02.2024

Trade name: Transocean Cleanship 291AU

(Contd. of page 2)

- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** Call for a doctor immediately.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

* 5 Fire Fighting Measures

- **Suitable extinguishing agents:** CO₂, sand, extinguishing powder. Do not use water.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Protective equipment:** No special measures required.

* 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**
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 section 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.

* 7 Handling and Storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Specific end use(s)** No further relevant information available.

AU

(Contd. on page 4)

Safety Data Sheet according to WHS Regulations

Vers.-Nr: 1

Revision: 02.02.2024

Trade name: Transocean Cleanship 291AU

(Contd. of page 3)

8 Exposure controls and personal protection

• **Additional information about design of technical facilities:** No further data; see section 7.

• **Ingredients with limit values that require monitoring at the workplace:**

1330-20-7 xylene, mixture of isomers

WES	Short-term value: 655 mg/m ³ , 150 ppm
	Long-term value: 350 mg/m ³ , 80 ppm

330-54-1 diuron(ISO)

WES	Long-term value: 10 mg/m ³
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• **DNELs**

1330-20-7 xylene, mixture of isomers

Dermal	long term DNEL	108 mg/kg/d (General Population)
		180 mg/kg/d (Workers)
Inhalative	long term DNEL	14.8 mg/m ³ (General Population)
		77 mg/m ³ (Workers)

8050-09-7 Rosin

Oral	long term DNEL	15 mg/kg/d (General Population)
Dermal	long term DNEL	15 mg/kg/d (General Population)
		25 mg/kg/d (Workers)
Inhalative	long term DNEL	52 mg/m ³ (General Population)
		176 mg/m ³ (Workers)

64742-95-6 Hydrocarbons, C9, aromatics

Oral	long term DNEL	11 mg/kg/d (General Population)
Dermal	long term DNEL	11 mg/kg/d (General Population)
		25 mg/kg/d (Workers)
Inhalative	long term DNEL	32 mg/m ³ (General Population)
		150 mg/m ³ (Workers)

• **PNECs**

1317-39-1 dicopper oxide

	PNEC STP	0.23 mg/l (water treatment plant)
	PNEC aqua	7.8 ug/l (freshwater)
		5.2 ug/l (marine water)
	PNEC sediment	87 mg/kg (freshwater)
		676 mg/kg (marine water)
	PNEC soil	65 mg/kg (soil)

1330-20-7 xylene, mixture of isomers

	PNEC STP	6.58 mg/l (water treatment plant)
	PNEC aqua	327 ug/l (freshwater)
		327 ug/l (marine water)
	PNEC sediment	12.46 mg/kg (freshwater)
		12.46 mg/kg (marine water)
	PNEC soil	2.31 mg/kg (Soil)

(Contd. on page 5)

Safety Data Sheet according to WHS Regulations

Vers.-Nr: 1

Revision: 02.02.2024

Trade name: Transocean Cleanship 291AU

(Contd. of page 5)

8050-09-7 Rosin

PNEC STP	1,000 mg/l (water treatment plant)
PNEC aqua	5.4 ug/l (freshwater) 0.54 ug/l (marine water)
PNEC sediment	0.02 mg/kg (freshwater) 0.002 mg/kg (marine water)
PNEC soil	0.0015 mg/kg (Soil)

330-54-1 diuron(ISO)

Oral	NOEC (72 hrs)	0.34 µg/l (Aquatic plants)
	NOEC (60 days)	26.4 ppb (fish)

- **Additional information:** The lists valid during the making were used as basis.
- **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.
Avoid contact with the skin.
Avoid contact with the eyes and skin.
- **Respiratory protection:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
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.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles

AU

(Contd. on page 6)

Safety Data Sheet according to WHS Regulations

Vers.-Nr: 1

Revision: 02.02.2024

Trade name: Transocean Cleanship 291AU

(Contd. of page 5)

9 Physical and Chemical Properties

- **General Information**
- **Appearance:**
- **Form:** Fluid
- **Colour:** According to product specification
- **Odour:** Characteristic
- **Odour threshold:** Not determined.
- **pH-value:** Not determined.
- **Change in condition**
- **Melting point/freezing point:** Undetermined.
- **Initial boiling point and boiling range:** 137 °C
- **Flash point:** 30 °C
- **Flammability (solid, gas):** Flammable.
- **Auto-ignition temperature:** 500 °C
- **Decomposition temperature:** Not determined.
- **Ignition temperature:** Product is not selfigniting.
- **Explosive properties:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

- **Explosion limits:**
- **Lower:** 1.1 Vol %
- **Upper:** 7 Vol %
- **Vapour pressure at 20 °C:** 6.7 hPa
- **Density at 20 °C:** 1.72878 g/cm³
- **Relative density** Not determined.
- **Vapour 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 at 20 °C:** 1,500 mPas
- **Kinematic:** Not determined.
- **Solvent content:**
- **VOC (EC)** 428.7 g/l

- **Other information** No further relevant information available.

10 Stability and Reactivity

- **Reactivity** No further relevant information available.
- **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:** No dangerous decomposition products known.

(Contd. on page 7)

Safety Data Sheet according to WHS Regulations

Vers.-Nr: 1

Revision: 02.02.2024

Trade name: Transocean Cleanship 291AU

(Contd. of page 6)

11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity** Harmful if swallowed.

· **LD/LC50 values relevant for classification:**

1317-39-1 dicopper oxide

Oral	LD50	470 mg/kg (rat)
	LC50/ 96 hr	0.075 mg/l (fish)
Inhalative	LC50/4 h	5 mg/l (rat)

1330-20-7 xylene, mixture of isomers

Oral	LD50	>2,000 mg/kg (rat)
	LC50/ 96 hr (static)	2.6 mg/l (Rainbow trout (<i>Oncorhynchus mykiss</i>)) (OESO 203 or equivalent)
Dermal	LD50	>2,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>20 mg/l (rat)

8050-09-7 Rosin

Oral	LD50	7,600 mg/kg (rat)
Dermal	LD50	2,500 mg/kg (rat)
Inhalative	LC50/4 h	1.5-2 mg/l (rat)

330-54-1 diuron(ISO)

Oral	LD50	4,150 mg/kg (rat)
	LC50/ 96 hr	0.5 mg/l (fish)
Dermal	LD50	>5,000 mg/kg (rat)

64742-95-6 Hydrocarbons, C9, aromatics

Oral	LD50	3,492 mg/kg (rat)
	LC50/ 96 hr	9.2 mg/l (Rainbow trout (<i>Oncorhynchus mykiss</i>))
Dermal	LD50	>3,160 mg/kg (rab)
Inhalative	LC50/4 h	>6,193 mg/l (rat)

- **Skin corrosion/irritation** Causes skin irritation.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** May cause an allergic skin reaction.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Suspected of causing cancer.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** May cause respiratory irritation.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

12 Ecological Information

· **Toxicity**

· **Aquatic toxicity:**

1317-39-1 dicopper oxide

EC 50 (48 hr)	0.042 mg/l (daphnia)
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(Contd. on page 8)

Safety Data Sheet according to WHS Regulations

Vers.-Nr: 1

Revision: 02.02.2024

Trade name: Transocean Cleanship 291AU

(Contd. of page 7)

1330-20-7 xylene, mixture of isomers

EC 50 (48 hr)	1-10 mg/l (daphnia)
EC 50 (72 hr)	1-10 µg/l (Algae)

330-54-1 diuron(ISO)

Oral	LC50 (48 hrs)	380 µg/l (cru)
	EC 10 (96 hrs)	0.11 µg/l (Algae)
	EC50 (96 hrs)	0.005 mg/l (Aquatic plants)
	EC 50 (72 hr)	2.26 µg/l (Algae)

64742-95-6 Hydrocarbons, C9, aromatics

EC 50 (48 hr)	3.2 mg/l (daphnia)
EC 50 (72 hr)	2.9 µg/l (Algae)

- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Very toxic for fish
- **Additional ecological information:**
- **General notes:**
 Water hazard 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.
 Very toxic for aquatic organisms
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **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.

14 Transport information

- **UN-Number**
- **ADG, IMDG, IATA** UN1992

(Contd. on page 9)

AU

Safety Data Sheet according to WHS Regulations

Vers.-Nr: 1

Revision: 02.02.2024

Trade name: Transocean Cleanship 291AU

(Contd. of page 8)

<ul style="list-style-type: none"> · UN proper shipping name · ADG · IMDG · IATA 	<p>1992 FLAMMABLE LIQUID, TOXIC, N.O.S. (XYLENES, Hydrocarbons, C9, aromatics), ENVIRONMENTALLY HAZARDOUS</p> <p>FLAMMABLE LIQUID, TOXIC, N.O.S. (XYLENES, Hydrocarbons, C9, aromatics), MARINE POLLUTANT</p> <p>FLAMMABLE LIQUID, TOXIC, N.O.S. (XYLENES, Hydrocarbons, C9, aromatics)</p>
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<ul style="list-style-type: none"> · Transport hazard class(es) · ADG 	<p>3 Flammable liquids.</p>
<ul style="list-style-type: none"> · Class · Label 	<p>3+6.1</p>



<ul style="list-style-type: none"> · IMDG 	<p>3 Flammable liquids.</p>
<ul style="list-style-type: none"> · Class · Label 	<p>3/6.1</p>



<ul style="list-style-type: none"> · IATA 	<p>3 Flammable liquids.</p>
<ul style="list-style-type: none"> · Class · Label 	<p>3 (6.1)</p>



<ul style="list-style-type: none"> · Packing group · ADG, IMDG, IATA 	<p>III</p>
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<ul style="list-style-type: none"> · Environmental hazards: · Marine pollutant: · Special marking (ADG): 	<p>Product contains environmentally hazardous substances:</p> <p>Yes</p> <p>Symbol (fish and tree)</p> <p>Symbol (fish and tree)</p>
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<ul style="list-style-type: none"> · Special precautions for user · Hazard identification number (Kemler code): · EMS Number: · Stowage Category 	<p>Warning: Flammable liquids.</p> <p>36</p> <p>F-E,S-D</p> <p>A</p>
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<ul style="list-style-type: none"> · Transport in bulk according to Annex II of Marpol and the IBC Code 	<p>Not applicable.</p>
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(Contd. on page 10)

Safety Data Sheet according to WHS Regulations

Vers.-Nr: 1

Revision: 02.02.2024

Trade name: Transocean Cleanship 291AU

(Contd. of page 9)

· Transport/Additional information:

· ADG

· Limited quantities (LQ)

5L

· 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

· Limited quantities (LQ)

5L

· 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 1992 FLAMMABLE LIQUID, TOXIC, N.O.S. (XYLENES, HYDROCARBONS, C9, AROMATICS), 3 (6.1), III, ENVIRONMENTALLY HAZARDOUS

15 Regulatory information

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

· Australian Inventory of Industrial Chemicals

1317-39-1	dicopper oxide
1330-20-7	xylene, mixture of isomers
8050-09-7	Rosin
1314-13-2	zinc oxide
1309-37-1	Red iron oxide
330-54-1	diuron(ISO)
14807-96-6	Talc (Mg3H2(SiO3)4)
	Derivative of an organically modified hectorite
	polymer without hazardous labelling
63449-39-8	Paraffin waxes and Hydrocarbon waxes, chloro
14808-60-7	Quartz (SiO2)

· Standard for the Uniform Scheduling of Medicines and Poisons

1317-39-1	dicopper oxide	S5, S6
1330-20-7	xylene, mixture of isomers	S6

· Australia: Priority Existing Chemicals

None of the ingredients is listed.

· GHS label elements

The product is classified and labelled according to the Globally Harmonised System (GHS).

(Contd. on page 11)

Safety Data Sheet according to WHS Regulations

Vers.-Nr: 1

Revision: 02.02.2024

Trade name: Transocean Cleanship 291AU

(Contd. of page 11)

· **Hazard pictograms**



GHS02 GHS07 GHS08

· **Signal word** Warning

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

dicopper oxide
Rosin
diuron(ISO)

· **Hazard statements**

H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H351 Suspected of causing cancer.
H335 May cause respiratory irritation.

· **Precautionary statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting equipment.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Directive 2012/18/EU**

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

· **Seveso category**

E1 Hazardous to the Aquatic Environment
P5c FLAMMABLE LIQUIDS

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 100 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t

· **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.

· **Department issuing SDS:** Central Office.

· **Contact:** Central Office

· **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)

(Contd. on page 12)

Safety Data Sheet according to WHS Regulations

Vers.-Nr: 1

Revision: 02.02.2024

Trade name: Transocean Cleanship 291AU

(Contd. of page 11)

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
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)
VOC: Volatile Organic Compounds (USA, EU)
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
Skin Sens. 1: Skin sensitisation – Category 1
Carc. 2: Carcinogenicity – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Asp. Tox. 1: Aspiration hazard – Category 1

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

AU