

## Bourne Seal

Revision: 2024-08-02

Version: 04.0

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

#### 1.1 Product identifier

**Trade name:** Bourne Seal

UFI: SS13-J0K9-R008-Y8T0

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

**Product use:** Floor polish/impregnating agent.  
For professional use only.

**Uses advised against:** Uses other than those identified are not recommended.

#### SWED - Sector-specific worker exposure description :

AISE\_SWED\_PW\_10\_1

AISE\_SWED\_PW\_19\_1

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

Diversey Europe Operations BV, De Corridor 4, 3621ZB Breukelen [Maarssenbroeksedijk 2, 3542DN Utrecht], The Netherlands

#### Contact details

Diversey Ltd  
Weston Favell Centre, Northampton NN3 8PD, United Kingdom  
Tel: 01604 405311, Fax: 01604 406809  
Regulatory Email: customerservice.uk@solenis.com

#### 1.4 Emergency telephone number

Seek medical advice (show the label or safety data sheet where possible)  
For medical or environmental emergency only:  
call 0800 052 0185

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Flammable liquids, Category 3 (H226)  
Specific target organ toxicity - Repeated exposure, Category 1 (H372)  
Specific target organ toxicity - Single exposure, Category 3 (H336)  
EUH066  
Chronic aquatic toxicity, Category 3 (H412)

#### 2.2 Label elements



**Signal word:** Danger.

Contains Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) (C9-12 Alkane/Cycloalkane/Aromatic Hydrocarbon), Naphtha, petroleum, hydrotreated heavy (C9-11 Alkane/Cycloalkane/Aromatic Hydrocarbon), cobalt bis(2-ethylhexanoate) (Cobalt 2-Ethylhexanoate)

#### Hazard statements:

H226 - Flammable liquid and vapour.  
H336 - May cause drowsiness or dizziness.  
H372 - Causes damage to organs through prolonged or repeated exposure.  
H412 - Harmful to aquatic life with long lasting effects.  
EUH066 - Repeated exposure may cause skin dryness or cracking.  
EUH208 - May produce an allergic reaction.

#### Precautionary statements:

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

P370 + P378 - In case of fire: Use CO<sub>2</sub>, dry chemical, or foam to extinguish.  
 P403 + P235 - Store in a well-ventilated place. Keep cool.

### 2.3 Other hazards

No other hazards known.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Ingredient(s)	EC number	CAS number	REACH number	Classification	Notes	Weight percent
Naphtha, petroleum, hydrotreated heavy	919-857-5	-	01-211946325 8-33	Flammable liquids, Category 3 (H226) Aspiration toxicity, Category 1 (H304) Specific target organ toxicity - Single exposure, Category 3 (H336) EUH066		30-50
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-446-0	-	01-211945804 9-33	Flammable liquids, Category 3 (H226) Specific target organ toxicity - Repeated exposure, Category 1 (H372) Aspiration toxicity, Category 1 (H304) Specific target organ toxicity - Single exposure, Category 3 (H336) EUH066 Chronic aquatic toxicity, Category 2 (H411)		10-20
xylene (mix)	215-535-7	1330-20-7	01-211948821 6-32	Flammable liquids, Category 3 (H226) Aspiration toxicity, Category 1 (H304) Acute toxicity - Dermal, Category 4 (H312) Acute toxicity - Inhalation, Category 4 (H332) Specific target organ toxicity - Single exposure, Category 3 (H335) Specific target organ toxicity - Repeated exposure, Category 2 (H373) Skin irritation, Category 2 (H315) Eye irritation, Category 2 (H319) Chronic aquatic toxicity, Category 3 (H412)		3-10
ethylbenzene	202-849-4	100-41-4	-	Flammable liquids, Category 2 (H225) Flammable liquids, Category 3 (H226) Acute toxicity - Inhalation, Category 4 (H332)		1-3
Petroleum distillates, hydrotreated light	926-141-6	-	01-211945662 0-43	Aspiration toxicity, Category 1 (H304)		1-3
2-ethylhexanoic acid, zirconium salt	245-018-1	22464-99-9	01-211997908 8-21	Reproductive toxicity, Category 1B (H360) Skin irritation, Category 2 (H315) Acute aquatic toxicity, Category 1 M=1 (H400) Chronic aquatic toxicity, Category 1 M=1 (H410)		0.1-1
Diethylene glycol monomethyl ether	203-906-6	111-77-3	-	Reproductive toxicity, Category 1B (H360)		0.1-1
cobalt bis(2-ethylhexanoate)	205-250-6	136-52-7	-	Reproductive toxicity, Category 1B (H360) Eye irritation, Category 2 (H319) Skin sensitisation, Sub-category 1A (H317) Acute aquatic toxicity, Category 1 M=1 (H400) Chronic aquatic toxicity, Category 3 (H412)		0.01-0.1

Workplace exposure limit(s), if available, are listed in subsection 8.1.

ATE, if available, are listed in section 11.

For the full text of the H and EUH phrases mentioned in this Section, see Section 16..

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General Information:

Symptoms of intoxication may even occur after several hours. It is recommended to continue medical observation for at least 48 hours after the incident. If unconscious place in recovery position and seek medical advice. Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. No mouth-to-mouth or mouth-to-nose resuscitation. Use Ambu bag or ventilator. Get medical attention or advice if you feel unwell.

#### Inhalation:

Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE, doctor or physician if you feel unwell.

#### Skin contact:

Wash skin with plenty of lukewarm, gently flowing water. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice or attention.

#### Eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

#### Ingestion:

Rinse mouth. Immediately drink 1 glass of water. Never give anything by mouth to an unconscious person. Get medical attention or advice if you feel unwell.

#### Self-protection of first aider:

Consider personal protective equipment as indicated in subsection 8.2.

### 4.2 Most important symptoms and effects, both acute and delayed

## Bourne Seal

<b>Inhalation:</b>	May cause drowsiness or dizziness.
<b>Skin contact:</b>	Repeated exposure may cause skin dryness or cracking.
<b>Eye contact:</b>	No known effects or symptoms in normal use.
<b>Ingestion:</b>	No known effects or symptoms in normal use.

**4.3 Indication of any immediate medical attention and special treatment needed**

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

**SECTION 5: Firefighting measures****5.1 Extinguishing media**

Carbon dioxide. Dry powder. Sand. Alcohol-resistant foam. Do not use water.

**5.2 Special hazards arising from the substance or mixture**

No special hazards known.

**5.3 Advice for firefighters**

As in any fire, wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protection.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Turn off all sources of ignition. Ventilate the area. Ensure adequate ventilation. Do not breathe dust or vapour.

**6.2 Environmental precautions**

Do not allow to enter drainage system, surface or ground water. Do not allow to enter the ground/soil. Inform responsible authorities in case undiluted product reaches drainage system, surface or ground water or the ground/soil.

**6.3 Methods and material for containment and cleaning up**

Ensure adequate ventilation. Dyke to collect large liquid spills. Absorb with liquid-binding material (sand, diatomite, universal binders). Do not place spilled materials back into the original container. Collect in closed and suitable containers for disposal.

**6.4 Reference to other sections**

For personal protective equipment see subsection 8.2. For disposal considerations see section 13.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling****Measures to prevent fire and explosions:**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges. Use explosion-proof electrical, ventilating or lighting equipment. Use non-sparking tools.

**Measures required to protect the environment:**

For environmental exposure controls see subsection 8.2.

**Advices on general occupational hygiene:**

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not mix with other products unless advised by Diversey. Wash face, hands and any exposed skin thoroughly after handling. Take off immediately all contaminated clothing. Store used personal protective equipment separately. Avoid contact with skin. Do not breathe vapours. Use only outdoors or in a well-ventilated area. See chapter 8.2, Exposure controls / Personal protection.

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

Store in accordance with local and national regulations. Store in a well-ventilated place. Store in a closed container. Keep only in original packaging. Keep cool. Keep away from heat and direct sunlight.

For conditions to avoid see subsection 10.4. For incompatible materials see subsection 10.5.

Comah - Lower Tier requirements (tonnes): 5000

Comah - Upper Tier requirements (tonnes): 50000

**7.3 Specific end use(s)**

No specific advice for end use available.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Workplace exposure limits**

Air limit values, if available:

Ingredient(s)	UK - Long term value(s)	UK - Short term value(s)
xylene (mix)	50 ppm 220 mg/m <sup>3</sup>	100 ppm 441 mg/m <sup>3</sup>

ethylbenzene	100 ppm 441 mg/m <sup>3</sup>	125 ppm 552 mg/m <sup>3</sup>
2-ethylhexanoic acid, zirconium salt	5 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Diethylene glycol monomethyl ether	10 ppm 50.1 mg/m <sup>3</sup>	30 ppm 150.3 mg/m <sup>3</sup>
cobalt bis(2-ethylhexanoate)	0.1 mg/m <sup>3</sup>	0.3 mg/m <sup>3</sup>

Biological limit values, if available:

**Recommended monitoring procedures, if available:**

**Additional exposure limits under the conditions of use, if available:**

#### DNEL/DMEL and PNEC values

##### Human exposure

DNEL/DMEL oral exposure - Consumer (mg/kg bw)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
Naphtha, petroleum, hydrotreated heavy	No data available	No data available	No data available	No data available
Hydrocarbons,C9-C12, n-alkanes,isoalkanes, cyclics,aromatics (2-25%)	-	-	-	21
xylene (mix)	-	-	-	1.6
ethylbenzene	-	-	-	1.6
Petroleum distillates, hydrotreated light	-	-	-	-
2-ethylhexanoic acid, zirconium salt	No data available	No data available	No data available	No data available
Diethylene glycol monomethyl ether	No data available	No data available	No data available	No data available
cobalt bis(2-ethylhexanoate)	No data available	No data available	No data available	No data available

DNEL/DMEL dermal exposure - Worker

Ingredient(s)	Short term - Local effects	Short term - Systemic effects (mg/kg bw)	Long term - Local effects	Long term - Systemic effects (mg/kg bw)
Naphtha, petroleum, hydrotreated heavy	No data available	No data available	No data available	No data available
Hydrocarbons,C9-C12, n-alkanes,isoalkanes, cyclics,aromatics (2-25%)	No data available	-	No data available	21
xylene (mix)	No data available	-	No data available	180
ethylbenzene	No data available	-	No data available	-
Petroleum distillates, hydrotreated light	-	-	-	-
2-ethylhexanoic acid, zirconium salt	No data available	No data available	No data available	No data available
Diethylene glycol monomethyl ether	No data available	No data available	No data available	No data available
cobalt bis(2-ethylhexanoate)	No data available	No data available	No data available	No data available

DNEL/DMEL dermal exposure - Consumer

Ingredient(s)	Short term - Local effects	Short term - Systemic effects (mg/kg bw)	Long term - Local effects	Long term - Systemic effects (mg/kg bw)
Naphtha, petroleum, hydrotreated heavy	No data available	No data available	No data available	No data available
Hydrocarbons,C9-C12, n-alkanes,isoalkanes, cyclics,aromatics (2-25%)	No data available	-	No data available	12
xylene (mix)	No data available	-	No data available	108
ethylbenzene	No data available	-	No data available	-
Petroleum distillates, hydrotreated light	-	-	-	-
2-ethylhexanoic acid, zirconium salt	No data available	No data available	No data available	No data available
Diethylene glycol monomethyl ether	No data available	No data available	No data available	No data available
cobalt bis(2-ethylhexanoate)	No data available	No data available	No data available	No data available

DNEL/DMEL inhalatory exposure - Worker (mg/m<sup>3</sup>)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
Naphtha, petroleum, hydrotreated heavy	No data available	No data available	No data available	No data available
Hydrocarbons,C9-C12, n-alkanes,isoalkanes, cyclics,aromatics (2-25%)	-	570	-	330
xylene (mix)	289	289	77	77
ethylbenzene	-	-	-	-
Petroleum distillates, hydrotreated light	-	-	-	-
2-ethylhexanoic acid, zirconium salt	No data available	No data available	No data available	No data available
Diethylene glycol monomethyl ether	No data available	No data available	No data available	No data available
cobalt bis(2-ethylhexanoate)	No data available	No data available	No data available	No data available

DNEL/DMEL inhalatory exposure - Consumer (mg/m<sup>3</sup>)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
Naphtha, petroleum, hydrotreated heavy	No data available	No data available	No data available	No data available

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	-	570	-	71
xylene (mix)	174	174	-	14.8
ethylbenzene	-	-	-	-
Petroleum distillates, hydrotreated light	-	-	-	-
2-ethylhexanoic acid, zirconium salt	No data available	No data available	No data available	No data available
Diethylene glycol monomethyl ether	No data available	No data available	No data available	No data available
cobalt bis(2-ethylhexanoate)	No data available	No data available	No data available	No data available

**Environmental exposure**

Environmental exposure - PNEC

Ingredient(s)	Surface water, fresh (mg/l)	Surface water, marine (mg/l)	Intermittent (mg/l)	Sewage treatment plant (mg/l)
Naphtha, petroleum, hydrotreated heavy	No data available	No data available	No data available	No data available
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	-	-	-	-
xylene (mix)	0.327	0.327	-	6.58
ethylbenzene	-	-	-	-
Petroleum distillates, hydrotreated light	-	-	-	-
2-ethylhexanoic acid, zirconium salt	No data available	No data available	No data available	No data available
Diethylene glycol monomethyl ether	No data available	No data available	No data available	No data available
cobalt bis(2-ethylhexanoate)	No data available	No data available	No data available	No data available

Environmental exposure - PNEC, continued

Ingredient(s)	Sediment, freshwater (mg/kg)	Sediment, marine (mg/kg)	Soil (mg/kg)	Air (mg/m <sup>3</sup> )
Naphtha, petroleum, hydrotreated heavy	No data available	No data available	No data available	No data available
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	-	-	-	-
xylene (mix)	12.46	12.46	2.31	-
ethylbenzene	-	-	-	-
Petroleum distillates, hydrotreated light	-	-	-	-
2-ethylhexanoic acid, zirconium salt	No data available	No data available	No data available	No data available
Diethylene glycol monomethyl ether	No data available	No data available	No data available	No data available
cobalt bis(2-ethylhexanoate)	No data available	No data available	No data available	No data available

**8.2 Exposure controls**

The following information applies for the uses indicated in subsection 1.2 of the Safety Data Sheet.

If available, please refer to the product information sheet for application and handling instructions.

Normal use conditions are assumed for this section.

Recommended safety measures for handling the undiluted product:

**Appropriate engineering controls:**

No special requirements under normal use conditions.

**Appropriate organisational controls:**

Avoid direct contact and/or splashes where possible. Train personnel. Users are advised to consider national Occupational Exposure Limits or other equivalent values, if available.

**REACH use scenarios considered for the undiluted product:**

	SWED - Sector-specific worker exposure description	LCS	PROC	Duration (min)	ERC
Manual application by brushing, wiping or mopping	AISE_SWED_PW_10_1	PW	PROC 10	480	ERC8a
Manual application	AISE_SWED_PW_19_1	PW	PROC 19	480	ERC8a

**Personal protective equipment****Eye / face protection:**

Safety glasses are not normally required. However, their use is recommended in those cases where splashes may occur when handling the product (EN 16321 / EN 166).

**Hand protection:**

No special requirements under normal use conditions.

**Body protection:**

No special requirements under normal use conditions.

**Respiratory protection:**

No special requirements under normal use conditions.

**Environmental exposure controls:**

Should not reach sewage water or drainage ditch undiluted or unneutralised.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Information in this section refers to the product, unless it is specifically stated that substance data is listed

Method / remark

**Physical state:** Liquid**Colour:** Clear , from Brown to Purple**Odour:** Product specific Solvent**Odour threshold:** Not applicable**Melting point/freezing point (°C):** Not determined

Not relevant to classification of this product

**Initial boiling point and boiling range (°C):** 138

Substance data, boiling point

Ingredient(s)	Value (°C)	Method	Atmospheric pressure (hPa)
Naphtha, petroleum, hydrotreated heavy	No data available		
Hydrocarbons,C9-C12, n-alkanes,isoalkanes, cyclics,aromatics (2-25%)	No data available		
xylene (mix)	136 - 152		
ethylbenzene	No data available		
Petroleum distillates, hydrotreated light	No data available		
2-ethylhexanoic acid, zirconium salt	No data available		
Diethylene glycol monomethyl ether	No data available		
cobalt bis(2-ethylhexanoate)	No data available		

**Method / remark****Flammability (solid, gas):** Not applicable to liquids**Flammability (liquid):** Flammable.**Flash point (°C):** ≈ 51 °C

Weight of evidence

**Sustained combustion:** The product sustains combustion  
( UN Manual of Tests and Criteria, section 32, L.2 )**Lower and upper explosion limit/flammability limit (%):** Not determined

See substance data

Substance data, flammability or explosive limits, if available:

Ingredient(s)	Lower limit (% vol)	Upper limit (% vol)
xylene (mix)	1000	7000

**Method / remark****Autoignition temperature:** Not determined**Decomposition temperature:** Not applicable.**pH:** No information available.**Kinematic viscosity:** < > 21 mm²/s (40 °C)**Solubility in / Miscibility with water:** Not miscible or difficult to mix

Substance data, solubility in water

Ingredient(s)	Value (g/l)	Method	Temperature (°C)
Naphtha, petroleum, hydrotreated heavy	No data available		
Hydrocarbons,C9-C12, n-alkanes,isoalkanes, cyclics,aromatics (2-25%)	No data available		
xylene (mix)	0.146-0.196	Method not given	
ethylbenzene	No data available		
Petroleum distillates, hydrotreated light	No data available		
2-ethylhexanoic acid, zirconium salt	No data available		
Diethylene glycol monomethyl ether	No data available		
cobalt bis(2-ethylhexanoate)	No data available		

Substance data, partition coefficient n-octanol/water (log Kow): see subsection 12.3

**Method / remark****Vapour pressure:** Not determined

See substance data

Substance data, vapour pressure

Ingredient(s)	Value (Pa)	Method	Temperature (°C)
Naphtha, petroleum, hydrotreated heavy	No data available		
Hydrocarbons,C9-C12, n-alkanes,isoalkanes, cyclics,aromatics (2-25%)	No data available		
xylene (mix)	6.5 - 9.5		
ethylbenzene	No data available		
Petroleum distillates, hydrotreated light	No data available		
2-ethylhexanoic acid, zirconium salt	No data available		
Diethylene glycol monomethyl ether	24	Weight of Evidence	20
cobalt bis(2-ethylhexanoate)	No data available		

**Method / remark**

## Bourne Seal

Relative density:  $\approx 0.89$  (20 °C)  
 Relative vapour density: -  
 Particle characteristics: No data available.

OECD 109 (EU A.3)  
 Not relevant to classification of this product  
 Not applicable to liquids.

## 9.2 Other information

## 9.2.1 Information with regard to physical hazard classes

Explosive properties: Not explosive. Vapours may form explosive mixtures with air.  
 Oxidising properties: Not oxidising.  
 Corrosion to metals: Not corrosive

Weight of evidence

## 9.2.2 Other safety characteristics

No other relevant information available.

## SECTION 10: Stability and reactivity

## 10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

## 10.2 Chemical stability

Stable under normal storage and use conditions.

## 10.3 Possibility of hazardous reactions

No hazardous reactions known under normal storage and use conditions.

## 10.4 Conditions to avoid

None known under normal storage and use conditions.

## 10.5 Incompatible materials

None known under normal use conditions.

## 10.6 Hazardous decomposition products

None known under normal storage and use conditions.

## SECTION 11: Toxicological information

## 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Mixture data: .

## Relevant calculated ATE(s):

ATE - Oral (mg/kg): >2000  
 ATE - Dermal (mg/kg): >2000  
 ATE - Inhalatory, vapours (mg/l): >20

Substance data, where relevant and available, are listed below:.

## Acute toxicity

Acute oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)	ATE Oral (mg/kg)
Naphtha, petroleum, hydrotreated heavy		No data available				Not established
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	LD <sub>50</sub>	> 15000	Rat	OECD 401 (EU B.1)		Not established
xylene (mix)	LD <sub>50</sub>	2000 - 5000	Rat	Method not given		Not established
ethylbenzene		3500				Not established
Petroleum distillates, hydrotreated light	LD <sub>50</sub>	> 5000	Rat	OECD 401 (EU B.1)		Not established
2-ethylhexanoic acid, zirconium salt		No data available				Not established
Diethylene glycol monomethyl ether	LD <sub>50</sub>	> 5000	Mouse	Method not given		Not established
cobalt bis(2-ethylhexanoate)		No data available				Not established

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)	ATE Dermal (mg/kg)
Naphtha, petroleum, hydrotreated heavy		No data available				Not established
Hydrocarbons, C9-C12, n-alkanes, isoalkanes,	LD <sub>50</sub>	> 3400	Rabbit	Method not given		Not established

## Bourne Seal

cyclics,aromatics (2-25%)						
xylene (mix)	LD <sub>50</sub>	> 5000	Rabbit	Method not given		36000
ethylbenzene		No data available				Not established
Petroleum distillates, hydrotreated light	LD <sub>50</sub>	> 5000	Rabbit	OECD 402 (EU B.3)		Not established
2-ethylhexanoic acid, zirconium salt		No data available				Not established
Diethylene glycol monomethyl ether		No data available				Not established
cobalt bis(2-ethylhexanoate)		No data available				Not established

## Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
Naphtha, petroleum, hydrotreated heavy		No data available			
Hydrocarbons,C9-C12, n-alkanes,isoalkanes, cyclics,aromatics (2-25%)	LC <sub>50</sub>	> 13.1 (vapour)	Rat	OECD 403 (EU B.2)	4
xylene (mix)	LC <sub>50</sub>	> 10		Method not given	
ethylbenzene		No data available			
Petroleum distillates, hydrotreated light	LC <sub>50</sub>	> 5000	Rat	OECD 403 (EU B.2)	8
2-ethylhexanoic acid, zirconium salt		No data available			
Diethylene glycol monomethyl ether		No data available			
cobalt bis(2-ethylhexanoate)		No data available			

## Acute inhalative toxicity, continued

Ingredient(s)	ATE - inhalation, dust (mg/l)	ATE - inhalation, mist (mg/l)	ATE - inhalation, vapour (mg/l)	ATE - inhalation, gas (mg/l)
Naphtha, petroleum, hydrotreated heavy	Not established	Not established	Not established	Not established
Hydrocarbons,C9-C12, n-alkanes,isoalkanes, cyclics,aromatics (2-25%)	Not established	Not established	Not established	Not established
xylene (mix)	Not established	Not established	360	Not established
ethylbenzene	Not established	Not established	12000	Not established
Petroleum distillates, hydrotreated light	Not established	Not established	Not established	Not established
2-ethylhexanoic acid, zirconium salt	Not established	Not established	Not established	Not established
Diethylene glycol monomethyl ether	Not established	Not established	Not established	Not established
cobalt bis(2-ethylhexanoate)	Not established	Not established	Not established	Not established

## Irritation and corrosivity

## Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
Naphtha, petroleum, hydrotreated heavy	No data available			
Hydrocarbons,C9-C12, n-alkanes,isoalkanes, cyclics,aromatics (2-25%)	Not irritant	Rabbit	OECD 404 (EU B.4)	
xylene (mix)	Irritant		Method not given	
ethylbenzene	No data available			
Petroleum distillates, hydrotreated light	Mild irritant	Rabbit	OECD 404 (EU B.4)	
2-ethylhexanoic acid, zirconium salt	No data available			
Diethylene glycol monomethyl ether	No data available			
cobalt bis(2-ethylhexanoate)	No data available			

## Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
Naphtha, petroleum, hydrotreated heavy	No data available			
Hydrocarbons,C9-C12, n-alkanes,isoalkanes, cyclics,aromatics (2-25%)	Not corrosive or irritant	Rabbit	OECD 405 (EU B.5)	
xylene (mix)	Severe damage		Method not given	
ethylbenzene	No data available			
Petroleum distillates, hydrotreated light	Not corrosive or irritant	Rabbit	OECD 405 (EU B.5)	. ? hour(s)
2-ethylhexanoic acid, zirconium salt	No data available			
Diethylene glycol monomethyl ether	No data available			
cobalt bis(2-ethylhexanoate)	No data available			

## Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
Naphtha, petroleum, hydrotreated heavy	No data available			



## Bourne Seal

Hydrocarbons,C9-C12, n-alkanes,isoalkanes, cyclics,aromatics (2-25%)	No data available			
xylene (mix)	Irritating to respiratory tract			
ethylbenzene	No data available			
Petroleum distillates, hydrotreated light	No data available			
2-ethylhexanoic acid, zirconium salt	No data available			
Diethylene glycol monomethyl ether	No data available			
cobalt bis(2-ethylhexanoate)	No data available			

## Sensitisation

Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
Naphtha, petroleum, hydrotreated heavy	No data available			
Hydrocarbons,C9-C12, n-alkanes,isoalkanes, cyclics,aromatics (2-25%)	Not sensitising	Guinea pig	OECD 406 (EU B.6) / GPMT	
xylene (mix)	No data available			
ethylbenzene	No data available			
Petroleum distillates, hydrotreated light	Not sensitising	Guinea pig	Human repeated patch test	
2-ethylhexanoic acid, zirconium salt	No data available			
Diethylene glycol monomethyl ether	No data available			
cobalt bis(2-ethylhexanoate)	No data available			

Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
Naphtha, petroleum, hydrotreated heavy	No data available			
Hydrocarbons,C9-C12, n-alkanes,isoalkanes, cyclics,aromatics (2-25%)	No data available			
xylene (mix)	No data available			
ethylbenzene	No data available			
Petroleum distillates, hydrotreated light	Not sensitising			
2-ethylhexanoic acid, zirconium salt	No data available			
Diethylene glycol monomethyl ether	No data available			
cobalt bis(2-ethylhexanoate)	No data available			

## CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Mutagenicity

Ingredient(s)	Result (in-vitro)	Method (in-vitro)	Result (in-vivo)	Method (in-vivo)
Naphtha, petroleum, hydrotreated heavy	No data available		No data available	
Hydrocarbons,C9-C12, n-alkanes,isoalkanes, cyclics,aromatics (2-25%)	No data available		No data available	
xylene (mix)	No evidence for mutagenicity, negative test results		No data available	
ethylbenzene	No data available		No data available	
Petroleum distillates, hydrotreated light	No evidence of genotoxicity, negative test results No evidence for mutagenicity, negative test results	Method not given	No evidence of genotoxicity, negative test results No evidence for mutagenicity, negative test results	Method not given
2-ethylhexanoic acid, zirconium salt	No data available		No data available	
Diethylene glycol monomethyl ether	No data available		No data available	
cobalt bis(2-ethylhexanoate)	No data available		No data available	

Carcinogenicity

Ingredient(s)	Effect
Naphtha, petroleum, hydrotreated heavy	No data available
Hydrocarbons,C9-C12, n-alkanes,isoalkanes, cyclics,aromatics (2-25%)	No data available
xylene (mix)	No data available
ethylbenzene	No data available
Petroleum distillates, hydrotreated light	No evidence for carcinogenicity, negative test results
2-ethylhexanoic acid, zirconium salt	No data available
Diethylene glycol monomethyl ether	No data available
cobalt bis(2-ethylhexanoate)	No data available

Toxicity for reproduction

Ingredient(s)	Endpoint	Specific effect	Value (mg/kg bw/d)	Species	Method	Exposure time	Remarks and other effects reported
Naphtha, petroleum, hydrotreated heavy			No data available				
Hydrocarbons,C9-C12, n-alkanes,isoalkanes,			No data available				

## Bourne Seal

cyclics,aromatics (2-25%)							
xylene (mix)			No data available				No evidence for reproductive toxicity
ethylbenzene			No data available				
Petroleum distillates, hydrotreated light	NOAEL		No data available				
2-ethylhexanoic acid, zirconium salt			No data available				
Diethylene glycol monomethyl ether			No data available				
cobalt bis(2-ethylhexanoate)			No data available				

## Repeated dose toxicity

Sub-acute or sub-chronic oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
Naphtha, petroleum, hydrotreated heavy		No data available				
Hydrocarbons,C9-C12, n-alkanes,isoalkanes, cyclics,aromatics (2-25%)	NOAEL	> 1056	Rat	OECD 408 (EU B.26)	90	
xylene (mix)		No data available				
ethylbenzene		No data available				
Petroleum distillates, hydrotreated light		No data available				
2-ethylhexanoic acid, zirconium salt		No data available				
Diethylene glycol monomethyl ether		No data available				
cobalt bis(2-ethylhexanoate)		No data available				

Sub-chronic dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
Naphtha, petroleum, hydrotreated heavy		No data available				
Hydrocarbons,C9-C12, n-alkanes,isoalkanes, cyclics,aromatics (2-25%)	NOAEL	> 490	Rat	Method not given	90	
xylene (mix)		No data available				
ethylbenzene		No data available				
Petroleum distillates, hydrotreated light		No data available				
2-ethylhexanoic acid, zirconium salt		No data available				
Diethylene glycol monomethyl ether		No data available				
cobalt bis(2-ethylhexanoate)		No data available				

Sub-chronic inhalation toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
Naphtha, petroleum, hydrotreated heavy		No data available				
Hydrocarbons,C9-C12, n-alkanes,isoalkanes, cyclics,aromatics (2-25%)	NOAEL	690	Rat	Method not given	90	
xylene (mix)		No data available				
ethylbenzene		No data available				
Petroleum distillates, hydrotreated light		No data available				
2-ethylhexanoic acid, zirconium salt		No data available				
Diethylene glycol monomethyl ether		No data available				
cobalt bis(2-ethylhexanoate)		No data available				

Chronic toxicity

Ingredient(s)	Exposure route	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time	Specific effects and organs affected	Remark
---------------	----------------	----------	--------------------	---------	--------	---------------	--------------------------------------	--------

Naphtha, petroleum, hydrotreated heavy			No data available					
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)			No data available					
xylene (mix)			No data available					
ethylbenzene			No data available					
Petroleum distillates, hydrotreated light			No data available					
2-ethylhexanoic acid, zirconium salt			No data available					
Diethylene glycol monomethyl ether			No data available					
cobalt bis(2-ethylhexanoate)			No data available					

## STOT-single exposure

Ingredient(s)	Affected organ(s)
Naphtha, petroleum, hydrotreated heavy	No data available
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	Central nervous system
xylene (mix)	Respiratory tract
ethylbenzene	No data available
Petroleum distillates, hydrotreated light	No data available
2-ethylhexanoic acid, zirconium salt	No data available
Diethylene glycol monomethyl ether	No data available
cobalt bis(2-ethylhexanoate)	No data available

## STOT-repeated exposure

Ingredient(s)	Affected organ(s)
Naphtha, petroleum, hydrotreated heavy	No data available
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	Central nervous system
xylene (mix)	No data available
ethylbenzene	No data available
Petroleum distillates, hydrotreated light	No data available
2-ethylhexanoic acid, zirconium salt	No data available
Diethylene glycol monomethyl ether	No data available
cobalt bis(2-ethylhexanoate)	No data available

## Aspiration hazard

Substances with an aspiration hazard (H304), if any, are listed in section 3. If relevant, see section 9 for dynamic viscosity and relative density of the product.

## Potential adverse health effects and symptoms

Effects and symptoms related to the product, if any, are listed in subsection 4.2.

## 11.2 Information on other hazards

## 11.2.1 Endocrine disrupting properties

Endocrine disrupting properties - Human data, if available:

## 11.2.2 Other information

No other relevant information available.

## SECTION 12: Ecological information

## 12.1 Toxicity

No data is available on the mixture.

Substance data, where relevant and available, are listed below:

## Aquatic short-term toxicity

Aquatic short-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
Naphtha, petroleum, hydrotreated heavy		No data available			
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	EC <sub>50</sub>	10-30	<i>Oncorhynchus mykiss</i>	Method not given	96
xylene (mix)	LC <sub>50</sub>	2.6	<i>Oncorhynchus</i>	Read across	96

			mykiss		
ethylbenzene	LC <sub>50</sub>	4.2	<i>Oncorhynchus mykiss</i>	OECD 203, semi-static	96
Petroleum distillates, hydrotreated light		No data available			
2-ethylhexanoic acid, zirconium salt		No data available			
Diethylene glycol monomethyl ether	LC <sub>50</sub>	> 1000 (nominal)	<i>Pimephales promelas</i>	Method not given	96
cobalt bis(2-ethylhexanoate)	LC <sub>50</sub>	0.8	<i>Oncorhynchus mykiss</i>		

## Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
Naphtha, petroleum, hydrotreated heavy		No data available			
Hydrocarbons,C9-C12, n-alkanes,isoalkanes, cyclics,aromatics (2-25%)	EC <sub>50</sub>	10-20	<i>Daphnia magna Straus</i>	Method not given	48
xylene (mix)	LC <sub>50</sub>	1	<i>Daphnia magna Straus</i>	Read across	24
ethylbenzene	LC <sub>50</sub>	1.8-2.4	<i>Daphnia magna Straus</i>		48
Petroleum distillates, hydrotreated light		No data available			
2-ethylhexanoic acid, zirconium salt		No data available			
Diethylene glycol monomethyl ether	EC <sub>50</sub>	> 1000 (nominal)	<i>Daphnia magna Straus</i>	Method not given	48
cobalt bis(2-ethylhexanoate)	EC <sub>50</sub>	0.61	<i>Ceriodaphnia dubia</i>		

## Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
Naphtha, petroleum, hydrotreated heavy		No data available			
Hydrocarbons,C9-C12, n-alkanes,isoalkanes, cyclics,aromatics (2-25%)	EC <sub>50</sub>	4.6-10	<i>Not specified</i>	Method not given	72
xylene (mix)	LC <sub>50</sub>	2.2	<i>Pseudokirchneriella subcapitata</i>	Read across	73
ethylbenzene	EC <sub>50</sub>	3.6	<i>Pseudokirchneriella subcapitata</i>		96
Petroleum distillates, hydrotreated light		No data available			
2-ethylhexanoic acid, zirconium salt		No data available			
Diethylene glycol monomethyl ether		No data available			
cobalt bis(2-ethylhexanoate)	EC <sub>50</sub>	0.310			

## Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
Naphtha, petroleum, hydrotreated heavy		No data available			
Hydrocarbons,C9-C12, n-alkanes,isoalkanes, cyclics,aromatics (2-25%)		No data available			
xylene (mix)		No data available			
ethylbenzene		No data available			
Petroleum distillates, hydrotreated light		No data available			
2-ethylhexanoic acid, zirconium salt		No data available			
Diethylene glycol monomethyl ether		No data available			
cobalt bis(2-ethylhexanoate)		No data available			

## Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
Naphtha, petroleum, hydrotreated heavy		No data available			
Hydrocarbons,C9-C12, n-alkanes,isoalkanes, cyclics,aromatics (2-25%)		No data			

## Bourne Seal

		available			
xylene (mix)	EC <sub>50</sub>	100		Method not given	
ethylbenzene		No data available			
Petroleum distillates, hydrotreated light		No data available			
2-ethylhexanoic acid, zirconium salt		No data available			
Diethylene glycol monomethyl ether		No data available			
cobalt bis(2-ethylhexanoate)		No data available			

## Aquatic long-term toxicity

Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
Naphtha, petroleum, hydrotreated heavy		No data available				
Hydrocarbons,C9-C12, n-alkanes,isoalkanes, cyclics,aromatics (2-25%)	NOEC	0.13	<i>Oncorhynchus mykiss</i>	Method not given	28 day(s)	
xylene (mix)		No data available				
ethylbenzene		No data available				
Petroleum distillates, hydrotreated light		No data available				
2-ethylhexanoic acid, zirconium salt		No data available				
Diethylene glycol monomethyl ether		No data available				
cobalt bis(2-ethylhexanoate)		No data available				

Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
Naphtha, petroleum, hydrotreated heavy		No data available				
Hydrocarbons,C9-C12, n-alkanes,isoalkanes, cyclics,aromatics (2-25%)	NOEC	0.28	<i>Daphnia magna</i>	Method not given	21 day(s)	
xylene (mix)		No data available				
ethylbenzene		No data available				
Petroleum distillates, hydrotreated light		No data available				
2-ethylhexanoic acid, zirconium salt		No data available				
Diethylene glycol monomethyl ether		No data available				
cobalt bis(2-ethylhexanoate)		No data available				

Aquatic toxicity to other aquatic benthic organisms, including sediment-dwelling organisms, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw sediment)	Species	Method	Exposure time (days)	Effects observed
Naphtha, petroleum, hydrotreated heavy		No data available				
Hydrocarbons,C9-C12, n-alkanes,isoalkanes, cyclics,aromatics (2-25%)		No data available				
xylene (mix)		No data available				
ethylbenzene		No data available				
Petroleum distillates, hydrotreated light		No data available				
2-ethylhexanoic acid, zirconium salt		No data available				
Diethylene glycol monomethyl ether		No data available				
cobalt bis(2-ethylhexanoate)		No data available				

## Terrestrial toxicity

Terrestrial toxicity - soil invertebrates, including earthworms, if available:

Terrestrial toxicity - plants, if available:

Terrestrial toxicity - birds, if available:

Terrestrial toxicity - beneficial insects, if available:

Terrestrial toxicity - soil bacteria, if available:

## 12.2 Persistence and degradability

### Abiotic degradation

Abiotic degradation - photodegradation in air, if available:

Ingredient(s)	Half-life time	Method	Evaluation	Remark
xylene (mix)	No data available		Rapidly photodegradable	

Abiotic degradation - hydrolysis, if available:

Abiotic degradation - other processes, if available:

### Biodegradation

Ready biodegradability - aerobic conditions

Ingredient(s)	Inoculum	Analytical method	DT <sub>50</sub>	Method	Evaluation
Naphtha, petroleum, hydrotreated heavy	Activated sludge, aerobe	Oxygen depletion	80 %	OECD 301F	Readily biodegradable
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	Activated sludge, aerobe	Oxygen depletion	74 % in 28 day(s)	OECD 301F	Readily biodegradable
xylene (mix)	Activated sludge, aerobe	Oxygen depletion	98% in 28 day(s)	OECD 301F	Readily biodegradable
ethylbenzene			70-80% in 28 day(s)	ISO 14593	Readily biodegradable
Petroleum distillates, hydrotreated light	Activated sludge, aerobe	Oxygen depletion	89% in 28 day(s)	OECD 301F	Readily biodegradable
2-ethylhexanoic acid, zirconium salt					Not applicable (inorganic substance)
Diethylene glycol monomethyl ether	Activated sludge, aerobe	CO <sub>2</sub> production	100.2% in 28 day(s)	OECD 301B	Readily biodegradable
cobalt bis(2-ethylhexanoate)		CO <sub>2</sub> production	60% in 10 day(s)	OECD 301B	Readily biodegradable

Ready biodegradability - anaerobic and marine conditions, if available:

Ingredient(s)	Medium & Type	Analytical method	DT <sub>50</sub>	Method	Evaluation
Naphtha, petroleum, hydrotreated heavy					Readily biodegradable
Petroleum distillates, hydrotreated light	Seawater			OECD 306	Biodegradable

Degradation in relevant environmental compartments, if available:

## 12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log K<sub>ow</sub>)

Ingredient(s)	Value	Method	Evaluation	Remark
Naphtha, petroleum, hydrotreated heavy	No data available			
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	No data available			
xylene (mix)	3.2			
ethylbenzene	No data available			
Petroleum distillates, hydrotreated light	No data available			
2-ethylhexanoic acid, zirconium salt	No data available			
Diethylene glycol monomethyl ether	No data available			
cobalt bis(2-ethylhexanoate)	No data available			

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
Naphtha, petroleum, hydrotreated heavy	No data available				
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	No data available			High potential for bioaccumulation	
xylene (mix)	No data available				

ethylbenzene	No data available				
Petroleum distillates, hydrotreated light	No data available				
2-ethylhexanoic acid, zirconium salt	No data available				
Diethylene glycol monomethyl ether	No data available				
cobalt bis(2-ethylhexanoate)	No data available				

**12.4 Mobility in soil**

Adsorption/Desorption to soil or sediment

Ingredient(s)	Adsorption coefficient Log K <sub>oc</sub>	Desorption coefficient Log K <sub>oc</sub> (des)	Method	Soil/sediment type	Evaluation
Naphtha, petroleum, hydrotreated heavy	No data available				
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	No data available				
xylene (mix)	No data available				Potential for adsorption to soil
ethylbenzene	No data available				
Petroleum distillates, hydrotreated light	No data available				
2-ethylhexanoic acid, zirconium salt	No data available				
Diethylene glycol monomethyl ether	No data available				
cobalt bis(2-ethylhexanoate)	No data available				

**12.5 Results of PBT and vPvB assessment**

Substances that fulfill the criteria for PBT/vPvB, if any, are listed in section 3.

**12.6 Endocrine disrupting properties**

Endocrine disrupting properties - Environmental effects, if available:

**12.7 Other adverse effects**

No other adverse effects known.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Waste from residues / unused products:**

The concentrated contents or contaminated packaging should be disposed of by a certified handler or according to the site permit. Release of waste to sewers is discouraged. The cleaned packaging material is suitable for energy recovery or recycling in line with local legislation.

16 03 05\* - organic wastes containing dangerous substances.

**European Waste Catalogue:****Empty packaging****Recommendation:**

Dispose of observing national or local regulations.

**SECTION 14: Transport information****Land transport (ADR/RID), Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR)****14.1 UN number or ID number:** 1263**14.2 UN proper shipping name:**

Paint

**14.3 Transport hazard class(es):**

Transport hazard class (and subsidiary risks): 3

**14.4 Packing group:** III**14.5 Environmental hazards:**

Environmentally hazardous: No

Marine pollutant: No

**14.6 Special precautions for user:** None known.**14.7 Maritime transport in bulk according to IMO instruments:** The product is not transported in bulk tankers.**Other relevant information:**

**ADR**

**Special provisions:** 640E  
**Classification code:** F1  
**Tunnel restriction code:** (D/E)  
**Hazard identification number:** 30

**IMO/IMDG**

**EmS:** F-E, S-E

The product has been classified, labelled and packaged in accordance with the requirements of ADR and the provisions of the IMDG Code. Transport regulations include special provisions for certain classes of dangerous goods packed in limited quantities.

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations :**

- Regulation (EC) 1907/2006 - REACH (UK amended)
- Regulation (EC) 1272/2008 - CLP (UK amended)
- Delegated Regulation (EU) 2017/2100 and Regulation (EU) 2018/605 (UK amended)
- Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)
- International Maritime Dangerous Goods (IMDG) Code

**Authorisations or restrictions (Regulation (EC) No 1907/2006, Title VII respectively Title VIII):** Not applicable.

**Comah - classification:** P5c - FLAMMABLE LIQUIDS

**15.2 Chemical safety assessment**

A chemical safety assessment has not been carried out on the mixture

**SECTION 16: Other information**

*The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract*

**SDS code:** MS1003438

**Version:** 04.0

**Revision:** 2024-08-02

**Reason for revision:**

Overall design adjusted in accordance with Amendment 2020/878, Annex II of Regulation (EC) No 1907/2006. This data sheet contains changes from the previous version in section(s): 1, 2, 3, 4, 6, 8, 9, 11, 12, 15, 16

**Classification procedure**

The classification of the mixture is in general based on calculation methods using substance data, as required by Regulation (EC) No 1272/2008. If for certain classifications data on the mixture is available or for example bridging principles or weight of evidence can be used for classification, this will be indicated in the relevant sections of the Safety Data Sheet. See section 9 for physical chemical properties, section 11 for toxicological information and section 12 for ecological information.

**Abbreviations and acronyms:**

- AISE - The international Association for Soaps, Detergents and Maintenance Products
- ATE - Acute Toxicity Estimate
- DNEL - Derived No Effect Limit
- EC50 - effective concentration, 50%
- ERC - Environmental release categories
- EUH - CLP Specific hazard statement
- LC50 - Lethal Concentration, 50% / Median Lethal Concentration
- LCS - Life cycle stage
- LD50 - Lethal Dose, 50% / Median Lethal dose
- NOAEL - No observed adverse effect level
- NOEL - No observed effect level
- OECD - Organisation for Economic Cooperation and Development
- PBT - Persistent, Bioaccumulative and Toxic
- PNEC - Predicted No Effect Concentration
- PROC - Process categories
- REACH number - REACH registration number, without supplier specific part
- vPvB - very Persistent and very Bioaccumulative
- H225 - Highly flammable liquid and vapour.
- 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.
- H319 - Causes serious eye irritation.
- H332 - Harmful if inhaled.



**Bourne Seal**

- H335 - May cause respiratory irritation.
- H336 - May cause drowsiness or dizziness.
- H360 - May damage fertility or the unborn child.
- H361 - Suspected of damaging fertility or 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.
- H410 - Very toxic to aquatic life with long lasting effects.
- H411 - Toxic to aquatic life with long lasting effects.
- H412 - Harmful to aquatic life with long lasting effects.
- EUH066 - Repeated exposure may cause skin dryness or cracking.

**End of Safety Data Sheet**