



## Bourne Seal

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Version: 03.0

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

#### 1.1 Product identifier

Trade name: Bourne Seal

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

##### Identified uses:

For professional use only.

AISE-P406 - Polish/Impregnating agent. Manual process

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

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

Diversey Europe Operations BV, 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@diversey.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

Flam. Liq. 3 (H226)

STOT RE 1 (H372)

STOT SE 3 (H336)

EUH066

Aquatic Chronic 3 (H412)

#### 2.2 Label elements



**Signal word:** Danger.

Contains Naphtha, petroleum, hydrotreated heavy (C9-11 Alkane/Cycloalkane/Aromatic Hydrocarbon), Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) (C9-12 Alkane/Cycloalkane/Aromatic Hydrocarbon), 2-butanone oxime (2-Butanone Oxime)

#### Hazard statements:

H226 - Flammable liquid and vapour.

H372 - Causes damage to organs through prolonged or repeated exposure.

H336 - May cause drowsiness or dizziness.

EUH066 - Repeated exposure may cause skin dryness or cracking.

EUH208 - May produce an allergic reaction.

H412 - Harmful 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.

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.

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**2.3 Other hazards**

No other hazards known. The product does not meet the criteria for PBT or vPvB in accordance with Regulation (EC) No 1907/2006, Annex XIII.

**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	-	01-2119463258-33	Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) STOT SE 3 (H336) EUH066		50-75
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-446-0	-	01-2119458049-33	Flam. Liq. 3 (H226) STOT RE 1 (H372) Asp. Tox. 1 (H304) STOT SE 3 (H336) EUH066 Aquatic Chronic 2 (H411)		10-20
xylene (mix)	215-535-7	1330-20-7	01-2119488216-32	Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) Acute Tox. 4 (H312) Acute Tox. 4 (H332) STOT SE 3 (H335) STOT RE 2 (H373) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Aquatic Chronic 3 (H412)		3-10
distillates (petroleum), hydrotreated light	265-149-8	64742-47-8	01-2119457736-27	Asp. Tox. 1 (H304) STOT SE 3 (H336) EUH066 Aquatic Chronic 2 (H411)		3-10
Calcium 2-ethylhexanoate	205-249-0	136-51-6	01-2119978297-19	Repr. 2 (H361) Eye Dam. 1 (H318)		0.1-1
2-ethylhexanoic acid, zirconium salt	245-018-1	22464-99-9	01-2119979088-21	Repr. 2 (H361) Skin Irrit. 2 (H315) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)		0.1-1

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

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. Get medical attention or advice if you feel unwell.

**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****Inhalation:**

May cause drowsiness or dizziness.

**Skin contact:**

Repeated exposure may cause skin dryness or cracking.

**Eye contact:**

No known effects or symptoms in normal use.

**Ingestion:**

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.

### 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

Dyke to collect large liquid spills. Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust). 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. Use only with adequate ventilation. 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.

### 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>
2-ethylhexanoic acid, zirconium salt	5 mg/m <sup>3</sup>	10 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 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%)	No data available	No data available	No data available	21
xylene (mix)	-	-	-	-
distillates (petroleum), hydrotreated light	No data available	No data available	No data available	No data available
Calcium 2-ethylhexanoate	No data available	No data available	No data available	2.83
2-ethylhexanoic acid, zirconium salt	No data available	No data available	No data available	No data available

DNEL 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	No data available	21
xylene (mix)	No data available	-	No data available	180
distillates (petroleum), hydrotreated light	No data available	No data available	No data available	No data available
Calcium 2-ethylhexanoate	No data available	No data available	No data available	5.67
2-ethylhexanoic acid, zirconium salt	No data available	No data available	No data available	No data available

DNEL 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	No data available	12
xylene (mix)	No data available	-	No data available	108
distillates (petroleum), hydrotreated light	No data available	No data available	No data available	No data available
Calcium 2-ethylhexanoate	No data available	No data available	No data available	2.83
2-ethylhexanoic acid, zirconium salt	No data available	No data available	No data available	No data available

DNEL 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%)	No data available	570	No data available	330
xylene (mix)	289	289	-	77
distillates (petroleum), hydrotreated light	No data available	No data available	No data available	No data available
Calcium 2-ethylhexanoate	No data available	No data available	No data available	39.98
2-ethylhexanoic acid, zirconium salt	No data available	No data available	No data available	No data available

DNEL 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%)	No data available	570	No data available	71
xylene (mix)	174	174	-	14.8
distillates (petroleum), hydrotreated light	No data available	No data available	No data available	No data available
Calcium 2-ethylhexanoate	No data available	No data available	No data available	9.86
2-ethylhexanoic acid, zirconium salt	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)	-	-	-	-
distillates (petroleum), hydrotreated light	No data available	No data available	No data available	No data available
Calcium 2-ethylhexanoate	No data available	No data available	No data available	No data available
2-ethylhexanoic acid, zirconium salt	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	-	-	-	-

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(2-25%)				
xylene (mix)	-	-	-	-
distillates (petroleum), hydrotreated light	No data available	No data available	No data available	No data available
Calcium 2-ethylhexanoate	No data available	No data available	No data available	No data available
2-ethylhexanoic acid, zirconium salt	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.

**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 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
<b>Physical State:</b> Liquid	
<b>Colour:</b> Clear, from Brown to Purple	
<b>Odour:</b> Product specific Solvent	
<b>Odour threshold:</b> Not applicable	
<b>pH</b> Not applicable	
<b>Melting point/freezing point (°C):</b> Not determined	Not relevant to classification of this product
<b>Initial boiling point and boiling range (°C):</b> Not determined 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)	No data available		
distillates (petroleum), hydrotreated light	No data available		
Calcium 2-ethylhexanoate	No data available		
2-ethylhexanoic acid, zirconium salt	No data available		

	Method / remark
<b>Flammability (liquid):</b> Flammable.	
<b>Flash point (°C):</b> < 60 °C	Weight of evidence
<b>Sustained combustion:</b> Yes ( UN Manual of Tests and Criteria, section 32, L.2 )	Weight of evidence

<b>Evaporation rate:</b> Not relevant for classification of this product.	Not relevant to classification of this product
<b>Flammability (solid, gas):</b> Not applicable to liquids	
<b>Upper/lower flammability limit (%):</b> Not determined	

Substance data, flammability or explosive limits, if available:

	Method / remark
<b>Vapour pressure:</b> 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)	No data available		

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distillates (petroleum), hydrotreated light	No data available		
Calcium 2-ethylhexanoate	No data available		
2-ethylhexanoic acid, zirconium salt	No data available		

**Vapour density:** Not determined  
**Relative density:**  $\approx$  0.88 (20 °C)  
**Solubility in / Miscibility with Water:** Not miscible or difficult to mix

**Method / remark**

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

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)	0.175	Method not given	
distillates (petroleum), hydrotreated light	No data available		
Calcium 2-ethylhexanoate	No data available		
2-ethylhexanoic acid, zirconium salt	No data available		

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

**Method / remark**

**Autoignition temperature:** Not determined  
**Decomposition temperature:** Not applicable.  
**Viscosity:**  $<$  21 mm<sup>2</sup>/s (40 °C)  
**Explosive properties:** Not explosive. Vapours may form explosive mixtures with air.  
**Oxidising properties:** Not oxidising.

Refer Test Method Notes

**9.2 Other information**

**Surface tension (N/m):** Not determined  
**Corrosion to metals:** Not corrosive

OECD 115  
 Weight of evidence

Substance data, dissociation constant, if 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 toxicological effects**

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**

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## Acute oral toxicity

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

## Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
Naphtha, petroleum, hydrotreated heavy		No data available			
Hydrocarbons,C9-C12, n-alkanes,isoalkanes, cyclics,aromatics (2-25%)	LD <sub>50</sub>	> 3400	Rabbit	Method not given	
xylene (mix)		No data available		Method not given	
distillates (petroleum), hydrotreated light		No data available			
Calcium 2-ethylhexanoate		No data available			
2-ethylhexanoic acid, zirconium salt		No data available			

## 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	
distillates (petroleum), hydrotreated light		No data available			
Calcium 2-ethylhexanoate		No data available			
2-ethylhexanoic acid, zirconium salt		No data available			

## 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	
distillates (petroleum), hydrotreated light	No data available			
Calcium 2-ethylhexanoate	Not irritant	Rabbit	OECD 404 (EU B.4)	
2-ethylhexanoic acid, zirconium salt	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	
distillates (petroleum), hydrotreated light	No data available			
Calcium 2-ethylhexanoate	Severe damage	Rabbit	OECD 405 (EU B.5)	
2-ethylhexanoic acid, zirconium salt	No data available			

## Respiratory tract 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%)	No data available			
xylene (mix)	No data available			
distillates (petroleum), hydrotreated light	No data available			
Calcium 2-ethylhexanoate	No data available			
2-ethylhexanoic acid, zirconium salt	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			
distillates (petroleum), hydrotreated light	No data available			
Calcium 2-ethylhexanoate	No data available			
2-ethylhexanoic acid, zirconium salt	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			
distillates (petroleum), hydrotreated light	No data available			
Calcium 2-ethylhexanoate	No data available			
2-ethylhexanoic acid, zirconium salt	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	
distillates (petroleum), hydrotreated light	No data available		No data available	
Calcium 2-ethylhexanoate	No data available		No data available	
2-ethylhexanoic acid, zirconium salt	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
distillates (petroleum), hydrotreated light	No data available
Calcium 2-ethylhexanoate	No data available
2-ethylhexanoic acid, zirconium salt	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, cyclics,aromatics (2-25%)			No data available				
xylene (mix)			No data available				No evidence for reproductive toxicity
distillates (petroleum), hydrotreated light			No data available				
Calcium 2-ethylhexanoate	NOAEL	Developmental toxicity	100	Rat	Weight of evidence		Indications of possible developmental toxicity
2-ethylhexanoic acid, zirconium salt			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				
distillates (petroleum), hydrotreated light		No data				



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		available				
Calcium 2-ethylhexanoate		No data available				
2-ethylhexanoic acid, zirconium salt		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%) xylene (mix)	NOAEL	> 490	Rat	Method not given	90	
distillates (petroleum), hydrotreated light		No data available				
Calcium 2-ethylhexanoate		No data available				
2-ethylhexanoic acid, zirconium salt		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%) xylene (mix)	NOAEL	690	Rat	Method not given	90	
distillates (petroleum), hydrotreated light		No data available				
Calcium 2-ethylhexanoate		No data available				
2-ethylhexanoic acid, zirconium salt		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%) xylene (mix)			No data available					
distillates (petroleum), hydrotreated light			No data available					
Calcium 2-ethylhexanoate			No data available					
2-ethylhexanoic acid, zirconium salt			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%) xylene (mix)	Central nervous system
distillates (petroleum), hydrotreated light	No data available
Calcium 2-ethylhexanoate	No data available
2-ethylhexanoic acid, zirconium salt	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%) xylene (mix)	Central nervous system
distillates (petroleum), hydrotreated light	No data available
Calcium 2-ethylhexanoate	No data available
2-ethylhexanoic acid, zirconium salt	No data available

## Aspiration hazard

## Bourne Seal

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.

**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	<i>Oncorhynchus mykiss</i>	Method not given	96
xylene (mix)	LC <sub>50</sub>	1 - 10		Method not given	
distillates (petroleum), hydrotreated light		No data available			
Calcium 2-ethylhexanoate		No data available			
2-ethylhexanoic acid, zirconium salt		No data available			

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	<i>Daphnia magna Straus</i>	Method not given	48
xylene (mix)	LC <sub>50</sub>	1 - 10		Method not given	
distillates (petroleum), hydrotreated light		No data available			
Calcium 2-ethylhexanoate		No data available			
2-ethylhexanoic acid, zirconium salt		No data available			

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>	≤ 10	<i>Not specified</i>	Method not given	72
xylene (mix)	LC <sub>50</sub>	1 - 10		Method not given	
distillates (petroleum), hydrotreated light		No data available			
Calcium 2-ethylhexanoate		No data available			
2-ethylhexanoic acid, zirconium salt		No data available			

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			
distillates (petroleum), hydrotreated light		No data available			
Calcium 2-ethylhexanoate		No data available			
2-ethylhexanoic acid, zirconium salt		No data available			

## Bourne Seal

## 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 available			
xylene (mix)	EC <sub>50</sub>	100		Method not given	
distillates (petroleum), hydrotreated light		No data available			
Calcium 2-ethylhexanoate		No data available			
2-ethylhexanoic acid, zirconium salt		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)	NOEC	1 - 10				
distillates (petroleum), hydrotreated light		No data available				
Calcium 2-ethylhexanoate		No data available				
2-ethylhexanoic acid, zirconium salt		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				
distillates (petroleum), hydrotreated light		No data available				
Calcium 2-ethylhexanoate		No data available				
2-ethylhexanoic acid, zirconium salt		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				
distillates (petroleum), hydrotreated light		No data available				
Calcium 2-ethylhexanoate		No data available				
2-ethylhexanoic acid, zirconium salt		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

## Bourne Seal

**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 %	OECD 301F	Readily biodegradable
xylene (mix)					Readily biodegradable
distillates (petroleum), hydrotreated light					Inherently biodegradable.
Calcium 2-ethylhexanoate					No data available
2-ethylhexanoic acid, zirconium salt					Not applicable (inorganic substance)

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

Degradation in relevant environmental compartments, if available:

**12.3 Bioaccumulative potential**

Partition coefficient n-octanol/water (log Kow)

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)	No data available			
distillates (petroleum), hydrotreated light	No data available			
Calcium 2-ethylhexanoate	No data available			
2-ethylhexanoic acid, zirconium salt	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				
distillates (petroleum), hydrotreated light	No data available				
Calcium 2-ethylhexanoate	No data available				
2-ethylhexanoic acid, zirconium salt	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
distillates (petroleum), hydrotreated light	No data available				
Calcium 2-ethylhexanoate	No data available				
2-ethylhexanoic acid, zirconium salt	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 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.

**European Waste Catalogue:**

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

**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:** 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 Transport in bulk according to Annex II of MARPOL and the IBC Code:** The product is not transported in bulk tankers.

**Other relevant information:****ADR**

**Special provisions:** Special provision 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****EU regulations:**

- Regulation (EC) No. 1907/2006 - REACH
- Regulation (EC) No 1272/2008 - CLP

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

UFI: SS13-J0K9-R008-Y8T0

**15.2 Chemical safety assessment**

## Bourne Seal

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:** 03.0

**Revision:** 2020-09-06

**Reason for revision:**

This data sheet contains changes from the previous version in section(s):, 2, 3, 4, 6, 8, 9, 11, 12, 14, 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.

**Full text of the H and EUH phrases mentioned in section 3:**

- H226 - Flammable liquid and vapour.
- H304 - May be fatal if swallowed and enters airways.
- H312 - Harmful in contact with skin.
- H315 - Causes skin irritation.
- H317 - May cause an allergic skin reaction.
- H318 - Causes serious eye damage.
- H319 - Causes serious eye irritation.
- H332 - Harmful if inhaled.
- H335 - May cause respiratory irritation.
- H336 - May cause drowsiness or dizziness.
- H351 - Suspected of causing cancer.
- 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.

**Abbreviations and acronyms:**

- AISE - The international Association for Soaps, Detergents and Maintenance Products
- DNEL - Derived No Effect Limit
- EUH - CLP Specific hazard statement
- PBT - Persistent, Bioaccumulative and Toxic
- PNEC - Predicted No Effect Concentration
- REACH number - REACH registration number, without supplier specific part
- vPvB - very Persistent and very Bioaccumulative
- ATE - Acute Toxicity Estimate
- LD50 - Lethal Dose, 50% / Median Lethal dose
- LC50 - Lethal Concentration, 50% / Median Lethal Concentration
- EC50 - effective concentration, 50%
- NOEL - No observed effect level
- NOAEL - No observed adverse effect level
- OECD - Organization for Economic Cooperation and Development

**End of Safety Data Sheet**