



Bourne Seal

Revision: 2022-07-24

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, 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 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 CO₂, 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 | - | 01-2119463258-33 | Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) STOT SE 3 (H336) EUH066 | | 30-50 |
| 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 |
| ethylbenzene | 202-849-4 | 100-41-4 | - | Flam. Liq. 2 (H225) Flam. Liq. 3 (H226) Acute Tox. 4 (H332) | | 1-3 |
| Petroleum distillates, hydrotreated light | 926-141-6 | - | 01-2119456620-43 | Asp. Tox. 1 (H304) | | 1-3 |
| 2-ethylhexanoic acid, zirconium salt | 245-018-1 | 22464-99-9 | 01-2119979088-21 | Repr. 1B (H360) Skin Irrit. 2 (H315) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) | | 0.1-1 |
| Diethylene glycol monomethyl ether | 203-906-6 | 111-77-3 | - | Repr. 1B (H360) | | 0.1-1 |
| cobalt bis(2-ethylhexanoate) | 205-250-6 | 136-52-7 | - | Repr. 1B (H360) Eye Irrit. 2 (H319) Skin Sens. 1A (H317) Aquatic Acute 1 (H400) Aquatic Chronic 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.

Bourne Seal

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. 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, 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. 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 | 100 ppm |

| | | |
|--------------------------------------|----------------------------------|-----------------------------------|
| | 220 mg/m ³ | 441 mg/m ³ |
| ethylbenzene | 100 ppm 441 mg/m ³ | 125 ppm 552 mg/m ³ |
| 2-ethylhexanoic acid, zirconium salt | 5 mg/m ³ | 10 mg/m ³ |
| Diethylene glycol monomethyl ether | 10 ppm 50.1 mg/m ³ | 30 ppm 150.3 mg/m ³ |
| cobalt bis(2-ethylhexanoate) | 0.1 mg/m ³ | 0.3 mg/m ³ |

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/m³)

| 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/m³)

| Ingredient(s) | Short term - Local effects | Short term - Systemic effects | Long term - Local effects | Long term - Systemic effects |
|---------------|----------------------------|-------------------------------|---------------------------|------------------------------|
|---------------|----------------------------|-------------------------------|---------------------------|------------------------------|

Bourne Seal

| | | | | |
|--|-------------------|-------------------|-------------------|-------------------|
| 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 ³) |
|--|------------------------------|--------------------------|-------------------|--------------------------|
| 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 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

Physical state: Liquid
Colour: Clear , from Brown to Purple
Odour: Product specific Solvent
Odour threshold: Not applicable
Melting point/freezing point (°C): Not determined
Initial boiling point and boiling range (°C): 138

Method / remark

Not relevant to classification of this product

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
Sustained combustion: The product sustains combustion
(UN Manual of Tests and Criteria, section 32, L.2)

Weight of evidence

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: Not applicable 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 | No data available | | |
| cobalt bis(2-ethylhexanoate) | No data available | | |

Bourne Seal

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

Method / remark
 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 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

Acute oral toxicity

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

Bourne Seal

| | | | | | | |
|--|------------------|-------------------|--------|-------------------|--|-----------------|
| | | available | | | | |
| Hydrocarbons,C9-C12, n-alkanes,isoalkanes, cyclics,aromatics (2-25%) | LD ₅₀ | > 3400 | Rabbit | Method not given | | Not established |
| xylene (mix) | LD ₅₀ | > 5000 | Rabbit | Method not given | | 36000 |
| ethylbenzene | | No data available | | | | Not established |
| Petroleum distillates, hydrotreated light | LD ₅₀ | > 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 ₅₀ | > 13.1 (vapour) | Rat | OECD 403 (EU B.2) | 4 |
| xylene (mix) | LC ₅₀ | > 10 | | Method not given | |
| ethylbenzene | | No data available | | | |
| Petroleum distillates, hydrotreated light | LC ₅₀ | > 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 |
|---------------|--------|---------|--------|---------------|
|---------------|--------|---------|--------|---------------|

Bourne Seal

| | | | | |
|--|---------------------------------|--|--|--|
| Naphtha, petroleum, hydrotreated heavy | No data available | | | |
| 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, | | | No data | | | | |

Bourne Seal

| | | | | | | | |
|---|-------|--|-------------------|--|--|--|---------------------------------------|
| n-alkanes, isoalkanes, cyclics, aromatics (2-25%) | | | available | | | | |
| 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 | Endpoint | Value | Species | Method | Exposure | Specific effects and | Remark |
|---------------|----------|----------|-------|---------|--------|----------|----------------------|--------|
|---------------|----------|----------|-------|---------|--------|----------|----------------------|--------|

Bourne Seal

| | route | (mg/kg bw/d) | time | organs affected |
|--|-------|-------------------|------|-----------------|
| 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 ₅₀ | 10-30 | <i>Oncorhynchus mykiss</i> | Method not given | 96 |

Bourne Seal

| | | | | | |
|---|------------------|-------------------|----------------------------|-----------------------|----|
| xylene (mix) | LC ₅₀ | 2.6 | <i>Oncorhynchus mykiss</i> | Read across | 96 |
| ethylbenzene | LC ₅₀ | 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 ₅₀ | > 1000 (nominal) | <i>Pimephales promelas</i> | Method not given | 96 |
| cobalt bis(2-ethylhexanoate) | LC ₅₀ | 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 ₅₀ | 10-20 | <i>Daphnia magna Straus</i> | Method not given | 48 |
| xylene (mix) | LC ₅₀ | 1 | <i>Daphnia magna Straus</i> | Read across | 24 |
| ethylbenzene | LC ₅₀ | 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 ₅₀ | > 1000 (nominal) | <i>Daphnia magna Straus</i> | Method not given | 48 |
| cobalt bis(2-ethylhexanoate) | EC ₅₀ | 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 ₅₀ | 4.6-10 | <i>Not specified</i> | Method not given | 72 |
| xylene (mix) | LC ₅₀ | 2.2 | <i>Pseudokirchneriella subcapitata</i> | Read across | 73 |
| ethylbenzene | EC ₅₀ | 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 ₅₀ | 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 | | | |

Bourne Seal

| | | | | |
|--|------------------|-------------------|--|------------------|
| Hydrocarbons,C9-C12, n-alkanes,isoalkanes, cyclics,aromatics (2-25%) | | No data available | | |
| xylene (mix) | EC ₅₀ | 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 ₅₀ | 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 ₂ production | 100.2% in 28 day(s) | OECD 301B | Readily biodegradable |
| cobalt bis(2-ethylhexanoate) | | CO ₂ 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 ₅₀ | 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 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) | 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 | No data available | | | High potential for bioaccumulation | |

Bourne Seal

| | | | | | |
|---|-------------------|--|--|--|--|
| (2-25%) | | | | | |
| 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 Koc | Desorption coefficient Log Koc(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.

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****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: 2022-07-24

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.

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

- 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.
- 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.

Abbreviations and acronyms:

- AISE - The international Association for Soaps, Detergents and Maintenance Products
- ATE - Acute Toxicity Estimate

Bourne Seal

- 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

End of Safety Data Sheet