

SECTION 4: First aid measures (....)

4.3 Indication of any immediate medical attention and special treatment needed

- Advice to Physician: Potential for chemical pneumonitis.
 - Consider: gastric lavage with protected airway, administration of activated charcoal.
 - Treat symptomatically
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SECTION 5: Firefighting measures

5.1 Extinguishing media

- In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide
- Unsuitable extinguishing media: high volume water jet
- Use water to cool containers exposed to fire.

5.2 Special hazards arising from the substance or mixture

- Highly flammable liquid and vapour.
- In confined spaces, sewers, etc., the vapours may collect to form explosive mixtures with air
- Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback
- Gives off irritating or toxic fumes (or gases) in a fire.
- Decomposition products may include nitrogen and carbon oxides

5.3 Advice for firefighters

- Collect contaminated fire extinguishing water separately. This **MUST** not be discharged into drains. Prevent fire extinguishing water from contaminating surface or ground water.
 - Special protective equipment: Wear self-contained breathing apparatus (SCBA). Wear full protective clothing including chemical protection suit.
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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Personal precautions for non-emergency personnel: Do not breathe vapour; Do not get in eyes, on skin, or on clothing.; Wear protective clothing as per section ; Wash thoroughly after handling.
- Personal precautions for emergency responders: Evacuate the area and keep personnel upwind; Shut off all ignition sources; Wear chemical protection suit; Wear self-contained breathing apparatus (SCBA).

6.2 Environmental precautions

- Avoid release to the environment.
- Do not allow to enter public sewers and watercourses
- If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities

6.3 Methods and material for containment and cleaning up

- Stop leak if safe to do so.
- Evacuate the area and keep personnel upwind
- Take action to prevent static discharges.
- Use non-sparking tools.
- Ground and bond container and receiving equipment.
- Absorb spillage in earth or sand
- Do not absorb spillage in sawdust or other combustible material
- Place in appropriate container
- Seal containers and label them
- Remove contaminated material to safe location for subsequent disposal
- Ventilate the area and wash spill site after material pick-up is complete

6.4 Reference to other sections

- See section(s): 7, 8 & 9
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SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Use non-sparking handtools
- Take action to prevent static discharges.
- Use only outdoors or in a well-ventilated area.
- Do not breathe vapour/fumes
- In case of inadequate ventilation wear respiratory protection.
- Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback
- Wear protective gloves/protective clothing/eye protection/face protection.
- Do not eat, drink or smoke when using this product.
- Contaminated clothing should be laundered before reuse
- Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

- Keep container tightly closed.
- Opened containers should be carefully resealed and stored in an upright position
- Store at ambient temperature
- Take precautionary measures against static discharges
- Use explosion-proof electrical equipment.
- Incompatible with strong acids
- Incompatible with alkalis (strong bases)
- Keep away from acid
- Keep away from oxidisers, heat, flames or ignition sources
- Keep away from food, drink and animal feedingstuffs

7.3 Specific end use(s)

- Paint
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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

- N-butyl acetate
 - WEL (long term) 150 ppm 724 mg/m³ (UK)
 - WEL (short term limit value) 200 ppm 966 mg/m³ (UK)
 - DNEL (inhalational) 48 mg/m³ Industry, Long Term, Systemic Effects
 - DNEL (inhalational) 600 mg/m³ Industry, Short Term, Systemic Effects
 - DNEL (inhalational) 300 mg/m³ Industry, Long Term, Local Effects
 - DNEL (inhalational) 600 mg/m³ Industry, Short Term, Local Effects
 - DNEL (dermal) 7 mg/kg (bw/day) Industry, Long Term, Systemic Effects
 - DNEL (dermal) 11 mg/kg (bw/day) Industry, Short Term, Systemic Effects
 - DNEL (inhalational) 12 mg/m³ Consumer, Long Term, Systemic Effects
 - DNEL (inhalational) 300 mg/m³ Consumer, Short Term, Systemic Effects
 - DNEL (inhalational) 35.7 mg/m³ Consumer, Long Term, Local Effects
 - DNEL (inhalational) 300 mg/m³ Consumer, Short Term, Local Effects
 - DNEL (dermal) 3.4 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
 - DNEL (dermal) 6 mg/kg (bw/day) Consumer, Short Term, Systemic Effects
 - DNEL (oral) 2 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
 - DNEL (oral) 2 mg/kg (bw/day) Consumer, Short Term, Systemic Effects
 - PNEC aqua (freshwater) 180 ug/l
 - PNEC aqua (intermittent releases, freshwater) 360 ug/l
 - PNEC aqua (marine water) 18 ug/l
 - PNEC (STP) 35.6 mg/l
 - PNEC sediment (freshwater) 981 ug/kg
 - PNEC sediment (marine water) 98.1 ug/kg
 - PNEC terrestrial (soil) 90.3 ug/kg
 - Acetone
 - (EU) OELV (long term TWA) 500 ppm 1210 mg/m³
 - WEL (long term) 500 ppm 1210 mg/m³ (UK)
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SECTION 8: Exposure controls/personal protection (....)

- WEL (short term limit value) 1500 ppm 3620 mg/m³ (UK)
PNEC aqua (freshwater) 10.6 mg/l
PNEC aqua (intermittent releases, freshwater) 21 mg/l
PNEC aqua (intermittent releases, marine water) 1.06 mg/l
PNEC (STP) 100 mg/l
PNEC sediment (freshwater) 30.4 mg/kg
PNEC sediment (marine water) 3.04 mg/kg
PNEC terrestrial (soil) 29.5 mg/kg
- Butan-1-ol
WEL (short term limit value) 50 ppm 154 mg/m³ (UK, can be absorbed through the skin.)
DNEL (inhalational) 310 mg/m³ Industry, Long Term, Local Effects
DNEL (inhalational) 55.357 mg/m³ Consumer, Long Term, Systemic Effects
DNEL (inhalational) 155 mg/m³ Consumer, Long Term, Local Effects
DNEL (dermal) 3.125 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
DNEL (oral) 1.562 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
PNEC aqua (freshwater) 82 ug/l
PNEC aqua (marine water) 8.2 ug/l
PNEC aqua (intermittent releases, freshwater) 2.25 mg/l
PNEC (STP) 2.476 g/l
PNEC sediment (freshwater) 324 ug/kg
PNEC sediment (marine water) 32.4 ug/kg
PNEC terrestrial (soil) 16.6 ug/kg
- Propan-2-ol
WEL (long term) 400 ppm 999 mg/m³ (UK)
WEL (short term limit value) 500 ppm 1250 mg/m³ (UK)
DNEL (inhalational) 500 mg/m³ Industry, Long Term, Systemic Effects
DNEL (dermal) 888 mg/kg (bw/day) Industry, Long Term, Systemic Effects
DNEL (inhalational) 89 mg/m³ Consumer, Long Term, Systemic Effects
DNEL (dermal) 319 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
DNEL (oral) 26 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
PNEC aqua (freshwater) 140.9 mg/l
PNEC aqua (marine water) 140.9 mg/l
PNEC aqua (intermittent releases, freshwater) 140.9 mg/l
PNEC (STP) 2.251 g/l
PNEC sediment (freshwater) 552 mg/kg
PNEC sediment (marine water) 552 mg/kg
PNEC terrestrial (soil) 28 mg/kg
PNEC secondary poisoning (food) 160 mg/kg
- Ethanol
WEL (long term TWA) 1 000 ppm 1 920 mg/m³ (UK)
DNEL (inhalational) 950 mg/m³ Industry, Long Term, Systemic Effects
DNEL (inhalational) 1 900 mg/m³ Industry, Acute/Short Term, Local Effects
DNEL (dermal) 343 mg/kg (bw/day) Industry, Long Term, Systemic Effects
DNEL (inhalational) 114 mg/m³ Consumer, Long Term, Systemic Effects
DNEL (inhalational) 950 mg/m³ Consumer, Acute/Short Term, Local Effects
DNEL (dermal) 206 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
DNEL (oral) 87 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
PNEC aqua (freshwater) 960 ug/l
PNEC aqua (intermittent releases, freshwater) 2.75 mg/l
PNEC aqua (marine water) 790 ug/l
PNEC (STP) 580 mg/l
PNEC sediment (freshwater) 3.6 mg/kg
PNEC sediment (marine water) 2.9 mg/kg
PNEC terrestrial (soil) 630 ug/kg
PNEC secondary poisoning (food) 380 - 720 mg/kg
- 1-methoxy-2-propanol
(EU) OELV (long term TWA) 100 ppm 375 mg/m³
(EU) OELV (short term limit value) 150 ppm 563 mg/m³
WEL (long term TWA) 100 ppm 375 mg/m³ (UK)
WEL (short term limit value) 150 ppm 560 mg/m³ (UK)
DNEL (inhalational) 369 mg/m³ Industry, Long Term, Systemic Effects

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- DNEL (inhalational) 553.5 mg/m³ Industry, Acute/Short Term, Systemic Effects
DNEL (inhalational) 553.5 mg/m³ Industry, Acute/Short Term, Local Effects
DNEL (dermal) 183 mg/kg (bw/day) Industry, Long Term, Systemic Effects
DNEL (inhalational) 43.9 mg/m³ Consumer, Long Term, Systemic Effects
DNEL (dermal) 78 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
DNEL (oral) 33 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
PNEC aqua (freshwater) 10 mg/l
PNEC aqua (intermittent releases, freshwater) 100 mg/l
PNEC aqua (marine water) 1 mg/l
PNEC (STP) 100 mg/l
PNEC sediment (freshwater) 52.3 mg/kg
PNEC sediment (marine water) 5.2 mg/kg
PNEC terrestrial (soil) 4.59 mg/kg
- Di-"isononyl" phthalate
WEL (long term) 5 mg/m³ (UK)
DNEL (inhalational) 51.72 mg/m³ Industry, Long Term, Systemic Effects
DNEL (dermal) 366 mg/kg (bw/day) Industry, Long Term, Systemic Effects
DNEL (inhalational) 15.3 mg/m³ Consumer, Long Term, Systemic Effects
DNEL (dermal) 220 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
DNEL (oral) 4.4 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
PNEC terrestrial (soil) 30 mg/kg
- Toluene
(EU) OELV (long term TWA) 50 ppm 192 mg/m³
(EU) OELV (short term limit value) 100 ppm 384 mg/m³
WEL (long term) 50 ppm 191 mg/m³ (UK)
WEL (short term limit value) 100 ppm 383 mg/m³ (UK)
DNEL (inhalational) 192 mg/m³ Industry, Long Term, Systemic Effects
DNEL (inhalational) 384 mg/m³ Industry, Acute/Short Term, Systemic Effects
DNEL (inhalational) 192 mg/m³ Industry, Long Term, Local Effects
DNEL (inhalational) 384 mg/m³ Industry, Acute/Short Term, Local Effects
DNEL (dermal) 384 mg/kg (bw/day) Industry, Long Term, Systemic Effects
DNEL (inhalational) 56.5 mg/m³ Consumer, Long Term, Systemic Effects
DNEL (inhalational) 226 mg/m³ Consumer, Acute/Short Term, Systemic Effects
DNEL (inhalational) 56.5 mg/m³ Consumer, Long Term, Local Effects
DNEL (inhalational) 226 mg/m³ Consumer, Acute/Short Term, Local Effects
DNEL (dermal) 226 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
DNEL (oral) 8.13 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
PNEC aqua (freshwater) 680 ug/l
PNEC aqua (intermittent releases, freshwater) 680 ug/l
PNEC aqua (marine water) 680 ug/l
PNEC (STP) 13.6 mg/l
PNEC sediment (freshwater) 16.39 mg/kg
PNEC sediment (marine water) 16.39 mg/kg
PNEC terrestrial (soil) 2.89 mg/kg
- Butan-2-ol
WEL (long term) 100 ppm 308 mg/m³ (UK)
WEL (short term limit value) 150 ppm 462 mg/m³ (UK)
DNEL (inhalational) 600 mg/m³ Industry, Long Term, Systemic Effects
DNEL (dermal) 405 mg/kg (bw/day) Industry, Long Term, Systemic Effects
DNEL (inhalational) 213 mg/m³ Consumer, Long Term, Systemic Effects
DNEL (dermal) 203 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
DNEL (oral) 15 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
PNEC aqua (freshwater) 47.1 mg/l
PNEC aqua (intermittent releases, freshwater) 47.1 mg/l
PNEC aqua (marine water) 47.1 mg/l
PNEC (STP) 761 mg/l
PNEC sediment (freshwater) 196.19 mg/kg
PNEC sediment (marine water) 196.19 mg/kg
PNEC terrestrial (soil) 11.58 mg/kg
PNEC secondary poisoning (food) 1 g/kg

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- Cyclohexane
 - (EU) OELV (long term TWA) 200 ppm 700 mg/m³
 - WEL (long term) 100 ppm 350 mg/m³ (UK)
 - WEL (short term limit value) 300 ppm 1 050 mg/m³ (UK)
 - DNEL (inhalational) 700 mg/m³ Industry, Long Term, Systemic Effects
 - DNEL (inhalational) 1 400 mg/m³ Industry, Acute/Short Term, Systemic Effects
 - DNEL (inhalational) 700 mg/m³ Industry, Long Term, Local Effects
 - DNEL (inhalational) 1 400 mg/m³ Industry, Acute/Short Term, Local Effects
 - DNEL (dermal) 2 016 mg/kg (bw/day) Industry, Long Term, Systemic Effects
 - DNEL (inhalational) 206 mg/m³ Consumer, Long Term, Systemic Effects
 - DNEL (inhalational) 412 mg/m³ Consumer, Acute/Short Term, Systemic Effects
 - DNEL (inhalational) 206 mg/m³ Consumer, Long Term, Local Effects
 - DNEL (inhalational) 412 mg/m³ Consumer, Acute/Short Term, Local Effects
 - DNEL (dermal) 1 186 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
 - DNEL (oral) 59.4 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
 - PNEC aqua (freshwater) 207 ug/l
 - PNEC aqua (intermittent releases, freshwater) 207 ug/l
 - PNEC aqua (intermittent releases, marine water) 207 ug/l
 - PNEC (STP) 3.24 mg/l
 - PNEC sediment (freshwater) 16.68 mg/kg
 - PNEC sediment (marine water) 16.68 mg/kg
 - PNEC terrestrial (soil) 3.38 mg/kg
- Ethylbenzene
 - (EU) OELV (long term TWA) 100 ppm 442 mg/m³
 - (EU) OELV (short term limit value) 200 ppm 884 mg/m³
 - WEL (long term) 100 ppm 441 mg/m³ (UK, can be absorbed through the skin.)
 - WEL (short term limit value) 125 ppm 552 mg/m³ (UK, can be absorbed through the skin.)
 - DNEL (inhalational) 77 mg/m³ Industry, Long Term, Systemic Effects
 - DNEL (inhalational) 293 mg/m³ Industry, Acute/Short Term, Local Effects
 - DNEL (dermal) 180 mg/kg (bw/day) Industry, Long Term, Systemic Effects
 - DNEL (inhalational) 15 mg/m³ Consumer, Long Term, Systemic Effects
 - DNEL (oral) 1.6 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
- Heptane
 - (EU) OELV (long term TWA) 500 ppm 2 085 mg/m³
 - WEL (long term) 500 ppm 2 085 mg/m³ (UK)
- N-hexane
 - (EU) OELV (long term TWA) 20 ppm 72 mg/m³
 - WEL (long term): 20 ppm 72 mg/m³ (UK)
 - DNEL (inhalational) 75 mg/m³ Industry, Long Term, Systemic Effects
 - DNEL (dermal) 11 mg/kg (bw/day) Industry, Long Term, Systemic Effects
 - DNEL (inhalational) 16 mg/m³ Consumer, Long Term, Systemic Effects
 - DNEL (dermal) 5.3 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
 - DNEL (oral) 4 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
- Propan-1-ol
 - WEL (long term) 200 ppm 500 mg/m³ (UK, can be absorbed through the skin)
 - WEL (short term limit value) 250 ppm 625 mg/m³ (UK, can be absorbed through the skin)
 - DNEL (inhalational) 268 mg/m³ Industry, Long Term, Systemic Effects
 - DNEL (inhalational) 1 723 mg/m³ Industry, Acute/Short Term, Systemic Effects
 - DNEL (dermal) 136 mg/kg (bw/day) Industry, Long Term, Systemic Effects
 - PNEC aqua (freshwater) 10 mg/l
 - PNEC aqua (intermittent releases, freshwater) 10 mg/l
 - PNEC aqua (marine water) 1 mg/l
 - PNEC (STP) 96 mg/l
 - PNEC sediment (freshwater) 22.8 mg/kg
 - PNEC sediment (marine water) 2.28 mg/kg
 - PNEC terrestrial (soil) 2.2 mg/kg
- Xylene
 - BMGV (Biological Monitoring Guidance Value) (UK) 650 mmol methyl hippuric acid/mol creatine in

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- urine Sampling Time: post shift
(EU) OELV (long term TWA) 50 ppm 221 mg/m³
(EU) OELV (short term limit value) 100 ppm 442 mg/m³
WEL (long term TWA) 50 ppm 220 mg/m³ (UK, can be absorbed through the skin)
WEL (short term limit value) 100 ppm 441 mg/m³ (UK, can be absorbed through the skin)
DNEL (inhalational) 221 mg/m³ Industry, Long Term, Systemic Effects
DNEL (inhalational) 442 mg/m³ Industry, Acute/Short Term, Systemic Effects
DNEL (inhalational) 221 mg/m³ Industry, Long Term, Local Effects
DNEL (inhalational) 442 mg/m³ Industry, Acute/Short Term, Local Effects
DNEL (dermal) 212 mg/kg (bw/day) Industry, Long Term, Systemic Effects
DNEL (inhalational) 65.3 mg/m³ Consumer, Long Term, Systemic Effects
DNEL (inhalational) 260 mg/m³ Consumer, Acute/Short Term, Systemic Effects
DNEL (inhalational) 65.3 mg/m³ Consumer, Long Term, Local Effects
DNEL (inhalational) 260 mg/m³ Consumer, Acute/Short Term, Local Effects
DNEL (dermal) 125 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
DNEL (oral) 12.5 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
PNEC aqua (freshwater) 327 ug/l
PNEC aqua (intermittent releases, freshwater) 327 ug/l
PNEC aqua (marine water) 327 ug/l
PNEC (STP) 6.58 mg/l
PNEC sediment (freshwater) 12.46 mg/kg
PNEC sediment (marine water) 12.46 mg/kg
PNEC terrestrial (soil) 2.31 mg/kg
- Methyl acetate
WEL (long term) 200 ppm 616 mg/m³ (UK)
WEL (short term limit value) 250 ppm 770 mg/m³ (UK)
DNEL (inhalational) 610 mg/m³ Industry, Long Term, Systemic Effects
DNEL (inhalational) 305 mg/m³ Industry, Long Term, Local Effects
DNEL (dermal) 88 mg/kg (bw/day) Industry, Long Term, Systemic Effects
DNEL (inhalational) 152 mg/m³ Consumer, Long Term, Local Effects
DNEL (dermal) 44 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
DNEL (oral) 44 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
PNEC aqua (freshwater) 120 ug/l
PNEC aqua (intermittent releases, freshwater) 1.2 mg/l
PNEC aqua (marine water) 12 ug/l
PNEC (STP) 600 mg/l
PNEC sediment (freshwater) 128 ug/kg
PNEC sediment (marine water) 12.8 ug/kg
PNEC terrestrial (soil) 41.6 ug/kg
PNEC secondary poisoning (food) 20.4 mg/kg
- Ethyl acetate
(EU) OELV (long term TWA) 200 ppm 734 mg/m³
(EU) OELV (short term limit value) 400 ppm 1468 mg/m³
WEL (long term): 200 ppm 730 mg/m³ (UK)
WEL (short term): 400 ppm 1460 mg/m³ (UK)
DNEL (inhalational) 734 mg/m³ Industry, Long Term, Systemic Effects
DNEL (inhalational) 1468 mg/m³ Industry, Acute/Short Term, Systemic Effects
DNEL (inhalational) 734 mg/m³ Industry, Long Term, Local Effects
DNEL (inhalational) 1468 mg/m³ Industry, Acute/Short Term, Local Effects
DNEL (dermal) 63 mg/kg (bw/day) Industry, Long Term, Systemic Effects
DNEL (inhalational) 367 mg/m³ Consumer, Long Term, Systemic Effects
DNEL (inhalational) 734 mg/m³ Consumer, Acute/Short Term, Systemic Effects
DNEL (inhalational) 367 mg/m³ Consumer, Long Term, Local Effects
DNEL (inhalational) 734 mg/m³ Consumer, Acute/Short Term, Local Effects
DNEL (dermal) 37 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
DNEL (oral) 4.5 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
PNEC aqua (freshwater) 240 ug/l
PNEC aqua (marine water) 24 ug/l
PNEC aqua (intermittent releases, freshwater) 1.65 mg/l
PNEC (STP) 650 mg/l
PNEC sediment (freshwater) 1.15 mg/kg
PNEC sediment (marine water) 115 ug/kg

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- PNEC terrestrial (soil) 148 ug/kg
PNEC secondary poisoning (food) 200 mg/kg
- Methanol
 - (EU) OELV (long term TWA) 200 ppm 260 mg/m³
 - WEL (long term TWA) 200 ppm 266 mg/m³ (UK)
 - WEL (short term limit value) 250 ppm 333 mg/m³ (UK)
 - DNEL (inhalational) 260 mg/m³ Industry, Long Term, Systemic Effects
 - DNEL (inhalational) 260 mg/m³ Industry, Acute/Short Term, Systemic Effects
 - DNEL (inhalational) 260 mg/m³ Industry, Long Term, Local Effects
 - DNEL (inhalational) 260 mg/m³ Industry, Acute/Short Term, Local Effects
 - DNEL (dermal) 40 mg/kg (bw/day) Industry, Long Term, Systemic Effects
 - DNEL (dermal) 40 mg/kg (bw/day) Industry, Acute/Short Term, Systemic Effects
 - DNEL (inhalational) 50 mg/m³ Consumer, Long Term, Systemic Effects
 - DNEL (inhalational) 50 mg/m³ Consumer, Acute/Short Term, Systemic Effects
 - DNEL (inhalational) 50 mg/m³ Consumer, Long Term, Local Effects
 - DNEL (inhalational) 50 mg/m³ Consumer, Acute/Short Term, Local Effects
 - DNEL (dermal) 8 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
 - DNEL (dermal) 8 mg/kg (bw/day) Consumer, Acute/Short Term, Systemic Effects
 - DNEL (oral) 8 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
 - DNEL (oral) 8 mg/kg (bw/day) Consumer, Acute/Short Term, Systemic Effects
 - PNEC aqua (freshwater) 20.8 mg/l
 - PNEC aqua (intermittent releases, freshwater) 1.54 g/l
 - PNEC aqua (marine water) 2.08 mg/l
 - PNEC (STP) 100 mg/l
 - PNEC sediment (freshwater) 77 mg/kg
 - PNEC sediment (marine water) 7.7 mg/kg
 - PNEC terrestrial (soil) 100 mg/kg
 - 4-methylpentan-2-one
 - BMGV (Biological Monitoring Guidance Value) (UK) 20 µmol 4-methylpentan-2-one/L in urine.
Sampling Time: post shift
 - (EU) OELV (long term TWA) 20 ppm 83 mg/m³
 - (EU) OELV (short term limit value) 50 ppm 208 mg/m³
 - WEL (long term) 50 ppm 208 mg/m³ (UK, can be absorbed through the skin)
 - WEL (short term limit value) 100 ppm 416 mg/m³ (UK, can be absorbed through the skin)
 - DNEL (oral) 4.2 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
 - PNEC aqua (freshwater) 600 ug/l
 - PNEC aqua (intermittent releases, freshwater) 1.5 mg/l
 - PNEC aqua (marine water) 60 ug/l
 - PNEC (STP) 27.5 mg/l
 - PNEC sediment (freshwater) 8.27 mg/kg
 - PNEC sediment (marine water) 830 ug/kg
 - PNEC terrestrial (soil) 1.3 mg/kg
 - Propyl acetate
 - WEL (long term) 200 ppm 849 mg/m³ (UK)
 - WEL (short term limit value) 250 ppm 1060 mg/m³ (UK)
 - DNEL (inhalational) 420 mg/m³ Industry, Long Term, Local Effects
 - DNEL (inhalational) 840 mg/m³ Industry, Acute/Short Term, Local Effects
 - DNEL (inhalational) 210 mg/m³ Consumer, Long Term, Systemic Effects
 - DNEL (inhalational) 420 mg/m³ Consumer, Acute/Short Term, Systemic Effects
 - DNEL (inhalational) 210 mg/m³ Consumer, Long Term, Local Effects
 - DNEL (inhalational) 420 mg/m³ Consumer, Acute/Short Term, Local Effects
 - PNEC aqua (freshwater) 60 ug/l
 - PNEC aqua (intermittent releases, freshwater) 600 ug/l
 - PNEC aqua (marine water) 6 ug/l
 - PNEC (STP) 1 mg/l
 - PNEC sediment (freshwater) 160 ug/kg
 - PNEC sediment (marine water) 16 ug/kg
 - PNEC terrestrial (soil) 21.5 ug/kg
 - Tetrahydrofuran
 - (EU) OELV (long term TWA) 50 ppm 150 mg/m³

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- (EU) OELV (short term limit value) 100 ppm 300 mg/m³
WEL (long term) 50 ppm 150 mg/m³ (UK, can be absorbed through the skin)
WEL (short term limit value) 100 ppm 300 mg/m³ (UK, can be absorbed through the skin)
DNEL (inhalational) 72.4 mg/m³ Industry, Long Term, Systemic Effects
DNEL (inhalational) 96 mg/m³ Industry, Acute/Short Term, Systemic Effects
DNEL (inhalational) 150 mg/m³ Industry, Long Term, Local Effects
DNEL (inhalational) 300 mg/m³ Industry, Acute/Short Term, Local Effects
DNEL (dermal) 12.6 mg/kg (bw/day) Industry, Long Term, Systemic Effects
DNEL (inhalational) 13 mg/m³ Consumer, Long Term, Systemic Effects
DNEL (inhalational) 52 mg/m³ Consumer, Acute/Short Term, Systemic Effects
DNEL (inhalational) 75 mg/m³ Consumer, Long Term, Local Effects
DNEL (inhalational) 150 mg/m³ Consumer, Acute/Short Term, Local Effects
DNEL (dermal) 1.5 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
DNEL (oral) 1.5 mg/kg (bw/day) Industry, Long Term, Systemic Effects
PNEC aqua (freshwater) 4.32 mg/l
PNEC aqua (intermittent releases, freshwater) 21.6 mg/l
PNEC aqua (marine water) 432 ug/l
PNEC (STP) 4.6 mg/l
PNEC sediment (freshwater) 23.3 mg/kg
PNEC sediment (marine water) 2.33 mg/kg
PNEC terrestrial (soil) 2.13 mg/kg
PNEC secondary poisoning (food) 67 mg/kg
- Butanone; Ethyl methyl ketone
BMGV (Biological Monitoring Guidance Value) (UK) 70 µmol butan-2-one/L in urine. Sampling Time: post shift
(EU) OELV (long term TWA) 200 ppm 600 mg/m³
(EU) OELV (short term limit value) 300 ppm 900 mg/m³
WEL (long term) 200 ppm 600 mg/m³ (UK, can be absorbed through the skin)
WEL (short term limit value) 300 ppm 899 mg/m³ (UK, can be absorbed through the skin)
DNEL (inhalational) 600 mg/m³ Industry, Long Term, Systemic Effects
DNEL (dermal) 1 161 mg/kg (bw/day) Industry, Long Term, Systemic Effects
DNEL (inhalational) 106 mg/m³ Consumer, Long Term, Systemic Effects
DNEL (dermal) 412 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
DNEL (oral) 31 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
PNEC aqua (freshwater) 55.8 mg/l
PNEC aqua (intermittent releases, freshwater) 55.8 mg/l
PNEC aqua (intermittent releases, marine water) 55.8 mg/l
PNEC (STP) 709 mg/l
PNEC sediment (freshwater) 284.74 mg/kg
PNEC sediment (marine water) 284.7 mg/kg
PNEC terrestrial (soil) 22.5 mg/kg
PNEC secondary poisoning (food) 1 g/kg

8.2 Exposure controls

- Selection and use of personal protective equipment should be based on a risk assessment of exposure potential
- Engineering controls should be provided to prevent the need for ventilation
- In case of insufficient ventilation, wear suitable positive pressure respiratory protection equipment
- Where a reusable half mask respirator is required, use EN 140, with gas/vapour filter EN 14387 type ABEK, or EN 405; EN 1827
- Where a full face mask respirator is required, use EN 136, with gas/vapour filter EN 14387 type ABEK
- Wear suitable protective clothing, including eye/face protection and gloves (nitrile are recommended)
- Wear safety glasses approved to standard EN 166.
- When handling this substance, e.g. sampling, wear goggles giving complete eye protection
- Wear anti-static boots
- The selection of a suitable glove depends on work conditions and whether the product is present on its own or in combination with other substances. Breakthrough time is dependent on the characteristics of the brand of glove used and the supplier should be consulted.

SECTION 8: Exposure controls/personal protection (....)

- The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.
- Contaminated work clothing should not be allowed out of the workplace.
- Contaminated clothing should be laundered before reuse
- Use good personal hygiene practices



SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Milky white liquid
- Odour: Solvent odour
- Odour threshold: No information available
- pH: Not applicable
- Melting point/freezing point: No information available
- Initial boiling point and boiling range: 55 - 160 °C
- Flashpoint: < 21 °C
- Evaporation Rate: No information available
- Flammability (solid,gas): No information available
- Upper/lower flammability or explosive limits: No information available
- Vapour Pressure: No information available
- Vapour Density: No information available
- Relative Density: 0.8 - 0.9 at 20°C
- Solubility(ies): No information available
- Partition Coefficient (n-Octanol/Water): No information available
- Autoignition Temperature: No information available
- Decomposition temperature: No information available
- Viscosity: No information available
- Explosive Properties: Non-explosive
- Oxidising properties: Not oxidising

9.2 Other information

- No information available

SECTION 10: Stability and reactivity

10.1 Reactivity

- Reacts with strong oxidizing substances

10.2 Chemical stability

- Stable under normal conditions

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid

- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Take action to prevent static discharges.

10.5 Incompatible materials

- Incompatible with strong acids
- Incompatible with alkalis (strong bases)

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SECTION 10: Stability and reactivity (....)

- Incompatible with strong oxidizing substances

10.6 Hazardous decomposition products

- Decomposition products may include nitrogen and carbon oxides
-

SECTION 11: Toxicological information

11.1 Information on toxicological effects

- Acute Toxicity

Based on available data, the classification criteria are not met

N-butyl acetate

LD50 (oral, rat) 10 736 - 12 760 mg/kg bw

LC50 (inhalation, rat) 1 087 - 1 109 ppm/4h

LD50 (dermal, rabbit) 16 ml/kg bw

Acetone

LD50 (oral, rat) 5 800 mg/kg bw

LC50 (inhalation, rat) 76 mg/l/4h

LD50 (dermal, rabbit) 7 426 mg/kg bw

Butan-1-ol

LD50 (oral, rat) 2 292 mg/kg bw

LC50 (inhalation, rat) 17.76 mg/l/4h

LD50 (dermal, rabbit) 3 430 mg/kg bw

Propan-2-ol

LD50 (oral, rat) 5 840 mg/kg bw

LC50 (inhalation, rat) 10 000 ppm (6 h)

LD50 (dermal, rabbit) 16.4 ml/kg bw

Ethanol

LD50 (oral, rat) 1187 - 15 010 mg/kg

LC50 (inhalation, rat) 115.9 - 133.8 mg/l/4h

LDLo (dermal, (rabbit) 20 000 mg/kg bw

1-methoxy-2-propanol

LD50 (oral, rat) 3 739 - 4 277 mg/kg bw

LC0 (inhalation, rat) 7 000 ppm/6h

LC50 (inhalation, mouse) 6 000 - 7 000 ppm/6 h

LD50 (dermal, rat) 2 000 mg/kg bw

Di-"isononyl" phthalate

LD50 (oral, rat) 10 000 mg/kg bw

LC50 (inhalation, rat) 4.4 mg/l/4h

LD50 (dermal, rabbit) 3 160 mg/kg bw

Toluene

LD50 (oral, rat) 5 580 mg/kg bw

LC50 (inhalation, rat) 25.7 - 30 mg/l/4h

LD50 (dermal, rabbit) 5 000 mg/kg bw

Butan-2-ol

LD50 (oral, rat) 2 054 - 2 328 mg/kg bw

LD50 (dermal, rat) 2 000 mg/kg bw

Cyclohexane

LD50 (oral, rat) 5 000 mg/kg bw

LC50 (inhalation, rat) 32.88 mg/l/4h

LD50 (dermal, rabbit) 2 000 mg/kg bw

Ethylbenzene

LD50 (oral, rat) 3 500 mg/kg bw

SECTION 11: Toxicological information (....)

LD50 (dermal, rabbit) 15 400 mg/kg bw

Heptane

LD50 (oral, rat) 5 000 mg/kg bw

LC50 (inhalation, rat) 29.29 - 73.5 mg/l/4h

LD50 (dermal, rabbit) 2 000 mg/kg bw

N-hexane

LD50 (oral, rat) 24 - 49 ml/kg bw

LC50 (inhalation, rat) 73 860 ppm/4h

LD50 (dermal, rabbit) 5 ml/kg bw

Propan-1-ol

LD50 (oral, rat) 1 0870 - 8 000 mg/kg bw

LD50 (dermal, rabbit) 4 032 mg/kg bw

Xylene

LD50 (oral, rat) 3 523 - 4 000 mg/kg bw

LC50 (inhalation, rat) 6 350 - 6 700 ppm/4h

LD50 (dermal, rabbit) 12 126 mg/kg bw

Methyl Acetate

LD50 (oral, rat) 6 482 mg/kg bw

LC0 (inhalation, rabbit) 49.2 mg/l/4h

LD50 (dermal, rat) 2 000 mg/kg bw

Ethyl Acetate

LD50 (oral, rat) 11.3 ml/kg bw

LClo (inhalation, rat) 6 000 ppm/6h

LD50 (dermal, rabbit) 20 000 mg/kg

Methanol

LD50 (oral, rat) 1 187 - 2 769 mg/kg bw

LC50 (inhalation, rat) 115.9 - 130.7 mg/l (4 h)

4-methylpentan-2-one

LC50 (inhalation, rat) 11.6 mg/l/4h

LD50 (dermal, rat) 2 000 mg/kg bw

Propyl acetate

LD50 (oral, rat) 8 700 mg/kg bw

LC50 (inhalation, rat) 32 mg/l/4h

LD50 (dermal, rabbit) 17 800 mg/kg bw

Tetrahydrofuran

LD50 (oral, rat) 1.65 mg/kg bw

LC50 (inhalation, rat) 14.7 mg/l/6h

LD50 (dermal, rat) 2 000 mg/kg bw

Butanone; Ethyl methyl ketone

LD50 (dermal, rabbit) 10 ml/kg bw

- Skin corrosion/irritation
 - Causes skin irritation.
 - Classification based on calculation and concentration thresholds
- Serious eye damage/irritation
 - Causes serious eye damage.
 - Classification based on calculation and concentration thresholds
- Respiratory or skin sensitisation
 - Based on available data, the classification criteria are not met
- Germ cell mutagenicity
 - No evidence of mutagenic effects

SECTION 11: Toxicological information (....)

- Carcinogenicity
Suspected of causing cancer.
Classification based on calculation and concentration thresholds
Tetrahydrofuran is a Category 2 Carcinogen in concentrations >1%
 - Reproductive toxicity
Suspected of damaging the unborn child.
Classification based on calculation and concentration thresholds
Toluene is suspected of damaging the unborn child
N-hexane is suspected of damaging fertility
 - Specific target organ toxicity (STOT) - single exposure
STOT SE 3
May cause drowsiness or dizziness.
 - Target organs: Has central nervous system effects
Classification based on calculation and concentration thresholds
 - Specific target organ toxicity (STOT) - repeated exposure
Based on available data, the classification criteria are not met
 - Aspiration hazard
May be fatal if swallowed and enters airways.
Classification based on calculation and concentration thresholds
 - Contact with eyes
May cause severe damage with formation of corneal ulcers and permanent impairment of vision.
Lachrymatory effects (makes eyes water)
 - Contact with skin
Repeated exposure may cause skin dryness or cracking.
Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis
 - Ingestion
The ingestion of significant quantities may cause nausea/vomiting
The ingestion of significant quantities may cause diarrhoea
The ingestion of significant quantities may cause pulmonary oedema
 - Inhalation
May cause respiratory tract irritation.
Inhalation of solvent vapours may give rise to nausea, headaches and dizziness
-

SECTION 12: Ecological information

12.1 Toxicity

- Toxic to aquatic life with long lasting effects.
- Classification based on calculation and concentration thresholds
- N-butyl acetate
LC50 (fish): 18 mg/l (4 days)
EC50 (aquatic invertebrates) 32 - 44 mg/l (48 hr)
EC50 (aquatic algae) 392 mg/l (48 hr)
- Acetone
LC50 (fish) 5.54 - 8.12 g/l (4 days)
EC50 (aquatic invertebrates) 8.8 g/l (48 hr)
- Butan-1-ol
LC50 (fish) 1.376 g/l (4 days)
EC50 (aquatic invertebrates) 1.328 g/l (48 hr)
EC50 (aquatic algae) 225 mg/l (96 hr)
- Propan-2-ol
LC50 (fish) 9.64 - 10 g/l (4 days)
EC50 (aquatic invertebrates) 10 g/l (24 hr)

SECTION 12: Ecological information (....)

- Ethanol
 - LC50 (fish) 14.2 - 15.4 g/l (4 days)
 - EC50 (aquatic invertebrates) 10 g/l (48 hr)
 - EC50 (aquatic algae) 275 mg/l (72 hr)
- 1-methoxy-2-propanol
 - LC50 (fish) 1 - 20.8 g/l (4 days)
 - LC50 (aquatic invertebrates) 21.1 - 25.9 g/l (48 hr)
 - EC50 (aquatic algae) 1 g/l (7 days)
- Di-"isononyl" phthalate
 - LC50 (fish) 102 mg/l (4 days)
 - EC50 (aquatic invertebrates) 74 mg/l (48 hr)
 - EL50 (aquatic algae) 88 mg/l (72 hr)
- Toluene
 - LC50 (fish) 5.5 mg/l (4 days)
 - LC50 (aquatic invertebrates) 3.78 mg/l (48 hr)
 - EC50 (aquatic algae) 134 - 207 mg/l (3 hr)
- Butan-2-ol
 - LC50 (fish) 2.993 g/l (4 days)
 - EC50 (aquatic invertebrates) 308 mg/l (48 hr)
 - EC50 (aquatic algae) 1.888 g/l (48 hr)
- Cyclohexane
 - LC50 (fish) 4.53 mg/l (4 days)
 - EC50 (aquatic invertebrates) 900 - 2 400 ug/l (48 hr)
 - EC50 (aquatic algae) 3.428 - 9.317 mg/l (72 hr)
- Ethylbenzene
 - LC50 (fish) 4.2 - 5.1 mg/l (4 days)
 - EC50 (aquatic invertebrates) 1.8 - 2.4 mg/l (48 hr)
 - EC50 (aquatic algae) 4.9 - 5.4 mg/l (72 hr)
- Heptane
 - LL50 (fish) 5.738 mg/l (4 days)
 - EC50 (aquatic invertebrates) 1.5 mg/l (48 hr)
 - EL50 (aquatic algae) 4.338 mg/l (72 hr)
- N-hexane
 - LL50 (fish) 12.51 mg/l (4 days)
 - EL50 (aquatic invertebrates) 21.85 mg/l (48 hr)
 - EL50 (aquatic algae) 9.285 mg/l (72 hr)
- Propan-1-ol
 - LC50 (fish) 4.555 g/l (4 days)
 - EC50 (aquatic invertebrates) 3.644 g/l (48 hr)
 - EC50 (aquatic algae) 9.17 g/l (48 hr)
- Xylene
 - LC50 (fish) 2.6 - 8.4 mg/l (4 days)
 - EC50 (aquatic invertebrates) 1 mg/l (24 hr)
 - EC50 (aquatic algae) 4.6 - 4.9 mg/l (72 hr)
- Methyl acetate
 - LC50 (fish) 250 - 350 mg/l (4 days)
 - EC50 (aquatic invertebrates) 1.027 g/l (48 hr)
 - EC50 (aquatic algae) 120 mg/l (72 hr)
- Ethyl acetate
 - LC50 (fish): 230 mg/l (4 days)
 - IC50 (aquatic algae) 346 - 655 mg/l (24 hr)
 - EC50 (aquatic algae) 5.6 g/l (48 hr)

SECTION 12: Ecological information (....)

- Methanol
 - LC50 (fish) 15.4 g/l (4 days)
 - EC50 (aquatic invertebrates) 18.26 g/l (4 days)
 - EC50 (aquatic algae) 22 g/l (4 days)
- 4-methylpentan-2-one
 - LC50 (fish) 179 mg/l (4 days)
 - EL50 (aquatic invertebrates) 200 mg/l (48 hr)
- Propyl acetate
 - LC50 (fish) 60 mg/l (4 days)
 - EC50 (aquatic invertebrates) 91.5 mg/l (48 hr)
 - EC50 (aquatic algae) 672 mg/l (72 hr)
- Tetrahydrofuran
 - LC50 (fish) 2.16 g/l (4 days)
- Butanone; Ethyl methyl ketone
 - LC50 (fish) 2.993 - 3.2 g/l (4 days)
 - EC50 (aquatic invertebrates) 308 - 5 091 mg/l (48 hr)
 - EC50 (aquatic algae) 2.029 g/l (4 days)

12.2 Persistence and degradability

- Will degrade

12.3 Bioaccumulative potential

- No information available

12.4 Mobility in soil

- No information available

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII
- Not a vPvB according to REACH Annex XIII

12.6 Other adverse effects

- To the best of our knowledge, the ecological properties of this material have not been fully evaluated.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- To be disposed of as hazardous waste
- Disposal should be in accordance with local, state or national legislation
- Do not pierce or burn container, even after use
- Empty containers may contain flammable vapours

13.2 Classification

- The waste must be identified according to the List of Wastes (2000/532/EC)
- UK Waste Codes: Product is 08 01 11* waste paint and varnish containing organic solvents or other hazardous substances
Packaging is 15 01 10* packaging containing residues of or contaminated by hazardous substances

SECTION 14: Transport information



SECTION 14: Transport information (....)

14.1 UN number

- UN No.: 1263

14.2 UN proper shipping name

- Proper Shipping Name: PAINT

14.3 Transport hazard class(es)

- Hazard Class: 3

14.4 Packing group

- Packing Group: II

14.5 Environmental hazards

- Marine pollutant

14.6 Special precautions for user

- Protect from heat
- Avoid release to the environment.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

- Not applicable

14.8 Road/Rail (ADR/RID)

- Proper Shipping Name: PAINT
- ADR UN No.: 1263
- ADR Hazard Class: 3
- ADR Packing Group: II
- Tunnel Code: D/E
- LQ: 5 L

14.9 Sea (IMDG)

- Proper Shipping Name: PAINT
- IMDG UN No.: 1263
- IMDG Hazard Class: 3
- IMDG Pack Group.: II
- LQ: 5 L

14.10 Air (ICAO/IATA)

- Proper Shipping Name: PAINT
- ICAO UN No.: 1263
- ICAO Hazard Class: 3
- ICAO Packing Group: II
- LQ: Y341 (0.5 L per inner packaging, 1.0 L total net quantity per outer packaging)

SECTION 15: Regulatory information

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

- This safety data sheet is provided in compliance with REACH Regulation (EC) No 1907/2006 as amended by Regulation (EU) 2015/830
- Regulation (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) applies in Europe
- This product is covered by EU Directive 2012/18/EU (the Seveso III Directive)
- The Hazardous Waste (England and Wales) Regulations 2005 apply in the UK

15.2 Chemical safety assessment

SECTION 15: Regulatory information (....)

- A REACH chemical safety assessment has not been carried out

SECTION 16: Other information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Sources of data: from supplier SDS and ECHA databases

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Flam. Liq. 2, H225:	Classification based on bridging principles of similar tested mixtures
Asp. Tox. 1, H304:	Classification based on calculation and concentration thresholds
Skin Irrit. 2, H315:	Classification based on calculation and concentration thresholds
Eye Dam. 1, H318:	Classification based on calculation and concentration thresholds
STOT SE 3, H336:	Classification based on calculation and concentration thresholds
Carc. 2, H351:	Classification based on calculation and concentration thresholds
Repr. 2, H361d:	Classification based on calculation and concentration thresholds
Aquatic Chronic 2, H411:	Classification based on calculation and concentration thresholds

Text not given with phrase codes where they are used elsewhere in this safety data sheet:

- H225: Highly flammable liquid and vapour.
- H226: Flammable liquid and vapour
- H301: Toxic if swallowed
- H302: Harmful if swallowed
- H304: May be fatal if swallowed and enters airways
- H311: Toxic in contact with skin
- H312: Harmful in contact with skin.
- H315: Causes skin irritation.
- H318: Causes serious eye damage
- H319: Causes serious eye irritation.
- H331: Toxic if inhaled
- H332: Harmful if inhaled
- H335: May cause respiratory irritation
- H336: May cause drowsiness or dizziness
- H351: Suspected of causing cancer
- H361d: Suspected of damaging the unborn child
- H361f: Suspected of damaging fertility
- H370: Causes damage to organs
- 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
- EUH019: May form explosive peroxides
- EUH066: Repeated exposure may cause skin dryness or cracking

Acronyms

- CAS: Chemical Abstracts Service
- DNEL: Derived No-Effect Level
- EC: European Community
- EL50: Effective Loading Rate resulting in 50% effect.
- GHS: Globally Harmonised System
- LC50: Lethal Concentration, 50%
- LD50: Lethal Dose, 50%

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SECTION 16: Other information (....)

- LL50: Lethal Loading Rate resulting in 50% effect.
- OEL: Occupational Exposure Limit
- PBT: Persistent, Bioaccumulative and Toxic
- PNEC: Predicted No-Effect Concentration
- REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
- STOT RE: Specific Target Organ Toxicity Repeated Exposure
- STOT SE: Specific Target Organ Toxicity Single Exposure
- vPvB: very Persistent and very Bioaccumulative
- WEL: Workplace Exposure Limit

--- end of safety datasheet ---
