

# SAFETY DATA SHEET

## NAPA Concentrated -10°C Screen Wash -DO NOT USE - GOTO 20841

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

#### 1.1. Product identifier

Product name	NAPA Concentrated -10°C Screen Wash -DO NOT USE - GOTO 20841
Product number	NSW1500, NSW1001L, NSW1005L
Internal identification	B18935, 18370, 18371, 18372, 18374
Container size	500ml to 5 litre plastic containers, 199 Litre Drums
UFI	UFI: CNEP-K139-J003-P13Y

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

Identified uses	All purpose automotive windscreen cleaner
Uses advised against	This product is not recommended for any industrial, professional or consumer use other than the identified uses stated above.

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

Supplier	NAPA 2 Eskan Court Campbell Park Milton Keynes MK9 4AN 03333 136597 www.NAPAautoparts.eu
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#### 1.4. Emergency telephone number

Emergency telephone	Tel: +44 1604 701111 (Office Hours Monday - Friday (0900 Hrs - 1700 Hrs))
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### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

Physical hazards	Flam. Liq. 3 - H226
Health hazards	Not Classified
Environmental hazards	Not Classified

**Human health** Vapours and spray/mists in high concentrations are narcotic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Nausea, vomiting.

**Environmental** The product is not expected to be hazardous to the environment.

**Physicochemical** The product is flammable. Heating may generate flammable vapours.

#### 2.2. Label elements

Hazard pictograms



**Signal word** Warning

**Hazard statements** H226 Flammable liquid and vapour.

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Precautionary statements	<p>P102 Keep out of reach of children.</p> <p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P233 Keep container tightly closed.</p> <p>P242 Use non-sparking tools.</p> <p>P243 Take action to prevent static discharges.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.</p> <p>P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.</p> <p>P403+P235 Store in a well-ventilated place. Keep cool.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
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Detergent labelling < 5% perfumes, Contains BENZISOTHIAZOLINONE

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<p>ETHANOL</p> <p>CAS number: 64-17-5</p> <p>EC number: 200-578-6</p>	5-10%
<p>Classification</p> <p>Flam. Liq. 2 - H225</p> <p>Eye Irrit. 2 - H319</p>	
<p>METHANOL</p> <p>CAS number: 67-56-1</p> <p>EC number: 200-659-6</p>	<0.6%
<p>Classification</p> <p>Flam. Liq. 2 - H225</p> <p>Acute Tox. 3 - H301</p> <p>Acute Tox. 3 - H311</p> <p>Acute Tox. 3 - H331</p> <p>STOT SE 1 - H370</p>	
<p>PROPYLENE GLYCOL</p> <p>CAS number: 57-55-6</p> <p>EC number: 200-338-0</p>	<1%
<p>Classification</p> <p>Not Classified</p>	
<p>2,6-DIMETHYL-7-OCTEN-2-OL</p> <p>CAS number: 18479-58-8</p> <p>EC number: 242-362-4</p>	<1%
<p>Classification</p> <p>Skin Irrit. 2 - H315</p> <p>Eye Irrit. 2 - H319</p>	

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SODIUM HYDROXIDE	<1%
CAS number: 1310-73-2	EC number: 215-185-5
Classification Met. Corr. 1 - H290 Skin Corr. 1A - H314 Eye Dam. 1 - H318	

The full text for all hazard statements is displayed in Section 16.

Composition comments                      The data shown are in accordance with the latest EC Directives.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

General information	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Never give anything by mouth to an unconscious person. Get medical attention if any discomfort continues.
Inhalation	Place unconscious person on their side in the recovery position and ensure breathing can take place. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth thoroughly with water. Give plenty of water to drink. Give milk instead of water if readily available. Keep affected person under observation. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Get medical attention immediately. Show this Safety Data Sheet to the medical personnel.
Skin contact	Immediately remove contaminated clothing. Rinse immediately with plenty of water. Remove contaminated clothing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

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

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	This is unlikely to occur but symptoms similar to those of ingestion may develop. In case of overexposure, organic solvents may depress the central nervous system causing dizziness and intoxication, and at very high concentrations unconsciousness and death.
Ingestion	May cause unconsciousness, blindness and possibly death.
Skin contact	Skin irritation.
Eye contact	May cause blurred vision and serious eye damage.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor                      No specific recommendations. If in doubt, get medical attention promptly.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media	Extinguish with the following media: Alcohol-resistant foam. Carbon dioxide (CO <sub>2</sub> ). Dry chemicals, sand, dolomite etc. Do not use water, if avoidable.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

#### 5.2. Special hazards arising from the substance or mixture

Specific hazards	The product is flammable. Heating may generate flammable vapours. Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours.
Hazardous combustion products	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

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### 5.3. Advice for firefighters

Protective actions during firefighting	Avoid breathing fire gases or vapours. Control run-off water by containing and keeping it out of sewers and watercourses.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet.
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### 6.2. Environmental precautions

Environmental precautions	Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible.
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### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Keep combustible materials away from spillage. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage. Flush contaminated area with plenty of water. Take care as floors and other surfaces may become slippery.
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### 6.4. Reference to other sections

Reference to other sections	For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see Section 13.
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Usage precautions	Keep away from heat, sparks and open flame. Do not wear contact lenses. Avoid spilling. Eye wash facilities and emergency shower must be available when handling this product. During application and drying, solvent vapours will be emitted. Avoid contact with skin and eyes.
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### 7.2. Conditions for safe storage, including any incompatibilities

Storage precautions	Store in tightly-closed, original container in a dry and cool place. Store under well-ventilated conditions at a temperature below 25°C.
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Storage class	Flammable liquid storage.
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### 7.3. Specific end use(s)

Specific end use(s)	The identified uses for this product are detailed in Section 1.2.
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## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

#### Occupational exposure limits

#### ETHANOL

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m<sup>3</sup>

#### METHANOL

Long-term exposure limit (8-hour TWA): WEL 200 ppm 266 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 250 ppm 333 mg/m<sup>3</sup>

Long-term exposure limit (8-hour TWA): 2006/15/EC 200 ppm 260 mg/m<sup>3</sup>

#### Sk

#### PROPYLENE GLYCOL

Long-term exposure limit (8-hour TWA): WEL 474 mg/m<sup>3</sup> 150 ppm particulate vapour

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup> particulate

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2,6-DIMETHYL-7-OCTEN-2-OL

No exposure limit value known.

SODIUM HYDROXIDE

Short-term exposure limit (15-minute): WEL 2 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through the skin.

Ingredient comments

WEL = Workplace Exposure Limits

### ETHANOL (CAS: 64-17-5)

DNEL	<p>Workers - Dermal; Long term systemic effects: 343 mg/kg  Workers - Inhalation; Long term systemic effects: 950 mg/m<sup>3</sup>  Workers - Inhalation; Short term Acute, local effects: 1900 mg/m<sup>3</sup>  Consumer - Inhalation; Short term Acute, local effects: 950 mg/m<sup>3</sup>  Consumer - Dermal; Long term systemic effects: 206 mg/kg  Consumer - Inhalation; Long term systemic effects: 114 mg/m<sup>3</sup>  Consumer - Oral; Long term systemic effects: 87 mg/kg</p>
PNEC	<p>- Fresh water; 0.96 mg/l  - marine water; 0.79 mg/l  - STP; 580 mg/l  - Intermittent release; 2.75 mg/l  - Sediment (Freshwater); 3.6 mg/kg sediment dw  - Sediment (Marinewater); 2.9 mg/kg sediment dw  - Soil; 0.63 mg/kg soil dw</p>

### METHANOL (CAS: 67-56-1)

DNEL	<p>Industry - Dermal; Short term Acute: 40 mg/kg bw/day  Industry - Dermal; Long term systemic effects: 40 mg/kg bw/day  Industry - Inhalation; Short term Acute: 260 mg/m<sup>3</sup>  Industry - Inhalation; Long term systemic effects: 260 mg/m<sup>3</sup>  Consumer - Dermal; Short term Acute: 8 mg/kg bw/day  Consumer - Dermal; Long term systemic effects: 8 mg/kg bw/day  Consumer - Inhalation; Long term systemic effects: 50 mg/m<sup>3</sup>  Industry - Inhalation; Short term Acute: 260 mg/m<sup>3</sup>  Industry - Inhalation; Long term local effects: 260 mg/m<sup>3</sup>  Consumer - Inhalation; Short term Acute: 50 mg/m<sup>3</sup>  Consumer - Inhalation; Long term local effects: 50 mg/m<sup>3</sup></p>
PNEC	<p>- Fresh water; 20.8 mg/l  - marine water; 2.08 mg/l  - Soil; 3.18 mg/kg soil dw  - STP; 100 mg/l  - Sediment (Freshwater); 77 mg/kg sediment dw  - Intermittent release; 1540 mg/l  - Sediment (Marinewater); 7.7 mg/kg sediment dw</p>

### FATTY ALCOHOL ALKOXYLATE 4 (CAS: 111905-53-4)

DNEL	No DNEL available.
PNEC	No PNEC available.

### PROPYLENE GLYCOL (CAS: 57-55-6)

DNEL	<p>Industry - Inhalation; Long term systemic effects: 168 mg/m<sup>3</sup>  Industry - Inhalation; Long term local effects: 10 mg/m<sup>3</sup>  Consumer - Inhalation; Long term systemic effects: 50 mg/m<sup>3</sup>  Consumer - Inhalation; Long term local effects: 10 mg/m<sup>3</sup></p>
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PNEC	<ul style="list-style-type: none"> <li>- Fresh water; 260 mg/l</li> <li>- marine water; 26 mg/l</li> <li>- STP; 20000 mg/kg</li> <li>- Sediment (Freshwater); 572 mg/kg</li> <li>- Sediment (Marinewater); 57.2 mg/kg</li> <li>- Soil; 50 mg/kg</li> <li>- Intermittent release; 183 mg/l</li> </ul> <p style="text-align: center;">ACETIC ACID ...% (CAS: 64-19-7)</p>
DNEL	<ul style="list-style-type: none"> <li>Industry - Inhalation; Short term local effects: 25 mg/m<sup>3</sup></li> <li>Industry - Inhalation; Long term local effects: 25 mg/m<sup>3</sup></li> <li>Consumer - Inhalation; Short term local effects: 25 mg/m<sup>3</sup></li> <li>Consumer - Inhalation; Long term local effects: 25 mg/m<sup>3</sup></li> </ul>
PNEC	<ul style="list-style-type: none"> <li>- Sediment (Freshwater); 11.36 mg/kg sediment dw</li> <li>- Sediment (Marinewater); 1.136 mg/kg sediment dw</li> <li>- marine water; 0.3058 mg/l</li> <li>- Fresh water; 3.058 mg/l</li> <li>- Intermittent release; 30.58 mg/l</li> <li>- STP; 85 mg/l</li> <li>- Soil; 0.47 mg/kg soil dw</li> </ul> <p style="text-align: center;">2,6-DIMETHYL-7-OCTEN-2-OL (CAS: 18479-58-8)</p>
DNEL	<ul style="list-style-type: none"> <li>Workers - Inhalation; Long term systemic effects: 73.5 mg/m<sup>3</sup></li> <li>Workers - Dermal; Long term systemic effects: 20.8 mg/kg bw/day</li> <li>General population - Inhalation; Long term systemic effects: 21.7 mg/m<sup>3</sup></li> <li>General population - Dermal, Oral; Long term systemic effects: 12.5 mg/kg bw/day</li> </ul>
PNEC	<ul style="list-style-type: none"> <li>- Fresh water; 0.0278 mg/l</li> <li>- marine water; 0.00278 mg/l</li> <li>- Intermittent release; 0.278 mg/l</li> <li>- STP; 10 mg/l</li> <li>- Sediment (Freshwater); 0.594 mg/kg sediment dw</li> <li>- Sediment (Marinewater); 0.0594 mg/kg sediment dw</li> <li>- Soil; 0.103 mg/kg soil dw</li> </ul> <p style="text-align: center;">LINALOOL (CAS: 78-70-6)</p>
DNEL	<ul style="list-style-type: none"> <li>Workers - Inhalation; Long term systemic effects: 2.8 mg/m<sup>3</sup></li> <li>Workers - Inhalation; Short term Acute: 16.5 mg/m<sup>3</sup></li> <li>Workers - Dermal; Long term systemic effects: 2.5 mg/kg bw/day</li> <li>Workers - Dermal; Short term Acute: 5 mg/kg bw/day</li> <li>Workers - Dermal; Long term local effects: 15 mg/cm<sup>2</sup></li> <li>Workers - Dermal; Short term Acute: 15 mg/cm<sup>2</sup></li> <li>General population - Inhalation; Long term systemic effects: 0.7 mg/m<sup>3</sup></li> <li>General population - Inhalation; Short term Acute: 4.1 mg/m<sup>3</sup></li> <li>General population - Dermal; Long term systemic effects: 1.25 mg/kg bw/day</li> <li>General population - Dermal; Short term Acute: 2.5 mg/kg bw/day</li> <li>General population - Dermal; Long term local effects: 15 mg/cm<sup>2</sup></li> <li>General population - Dermal; Short term Acute: 15 mg/cm<sup>2</sup></li> <li>General population - Oral; Long term systemic effects: 0.2 mg/kg bw/day</li> <li>General population - Oral; Short term Acute: 1.2 mg/kg bw/day</li> </ul>
PNEC	<ul style="list-style-type: none"> <li>- Fresh water; 0.2 mg/l</li> <li>- marine water; 0.02 mg/l</li> <li>- Intermittent release; 2 mg/l</li> <li>- STP; 10 mg/l</li> <li>- Sediment (Freshwater); 2.22 mg/kg sediment dw</li> <li>- Sediment (Marinewater); 0.222 mg/kg sediment dw</li> <li>- Soil; 0.327 mg/kg soil dw</li> </ul>

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### SODIUM HYDROXIDE (CAS: 1310-73-2)

DNEL Consumer - Inhalation; local effects: 1 mg/m<sup>3</sup>  
Industry - Inhalation; Long term local effects: 1 mg/m<sup>3</sup>

### CITRAL (CAS: 5392-40-5)

DNEL Workers - Inhalation; Long term systemic effects: 9 mg/m<sup>3</sup>  
Workers - Dermal; Long term systemic effects: 1.7 mg/kg bw/day  
Workers - Dermal; Long term local effects: 0.14 mg/cm<sup>2</sup>  
General population - Inhalation; Long term systemic effects: 2.7 mg/m<sup>3</sup>  
General population - Dermal; Long term systemic effects: 1 mg/kg bw/day  
General population - Dermal; Long term local effects: 0.14 mg/cm<sup>2</sup>  
General population - Oral; Long term systemic effects: 0.6 mg/kg bw/day

PNEC - Fresh water; 0.00678 mg/l  
- marine water; 0.000678 mg/l  
- Intermittent release; 0.0678 mg/l  
- STP; 1.6 mg/l  
- Sediment (Freshwater); 0.125 mg/kg sediment dw  
- Sediment (Marinewater); 0.0125 mg/kg sediment dw  
- Soil; 0.0209 mg/kg soil dw

### d-LIMONENE (CAS: 5989-27-5)

DNEL Workers - Inhalation; Long term systemic effects: 33.3 mg/m<sup>3</sup>  
Workers - Dermal; Short term local effects, Acute: 0.222 mg/cm<sup>2</sup>  
General population - Inhalation; Long term systemic effects: 8.33 mg/m<sup>3</sup>  
General population - Dermal; Short term local effects, Acute: 0.111 mg/cm<sup>2</sup>  
General population - Oral; Long term systemic effects: 4.76 mg/kg bw/day

PNEC - Fresh water; 0.0054 mg/l  
- marine water; 0.00054 mg/l  
- STP; 1.8 mg/l  
- Sediment (Freshwater); 1.32 mg/kg sediment dw  
- marine water; 0.13 mg/kg sediment dw  
- Soil; 0.262 mg/kg soil dw

### GERANIOL (CAS: 106-24-1)

DNEL Workers - Inhalation; Long term systemic effects: 161.6 mg/m<sup>3</sup>  
Workers - Dermal; Long term systemic effects: 12.5 mg/kg bw/day  
Workers - Dermal; Long term local effects: 11.8 mg/cm<sup>2</sup>  
General population - Inhalation; Long term systemic effects: 47.8 mg/m<sup>3</sup>  
General population - Dermal; Long term systemic effects: 7.5 mg/kg bw/day  
General population - Dermal; Long term local effects: 11.8 mg/cm<sup>2</sup>  
General population - Oral; Long term systemic effects: 13.75 mg/kg bw/day

PNEC - Fresh water; 0.0108 mg/l  
- marine water; 0.00108 mg/l  
- Intermittent release; 0.108 mg/l  
- STP; 0.7 mg/l  
- Sediment (Freshwater); 0.115 mg/kg  
- Sediment (Marinewater); 0.0115 mg/kg  
- Soil; 0.0167 mg/kg

### BUTYLPHENYL METHYLPROPIONAL (CAS: 80-54-6)

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DNEL  
 Workers - Inhalation; Long term systemic effects: 0.201 mg/m<sup>3</sup>  
 Workers - Dermal; Long term systemic effects: 0.0569 mg/kg bw/day  
 Workers - Dermal; Long term local effects: 0.41 mg/cm<sup>2</sup>  
 Workers - Dermal; Short term Acute: 0.41 mg/cm<sup>2</sup>  
 General population - Inhalation; Long term systemic effects: 0.0593 mg/m<sup>3</sup>  
 General population - Inhalation; Long term local effects: 0.0593 mg/m<sup>3</sup>  
 General population - Dermal; Long term systemic effects: 0.0342 mg/kg bw/day  
 General population - Dermal; Short term Acute: 0.205 mg/cm<sup>2</sup>  
 General population - Dermal; Long term local effects: 0.41 mg/cm<sup>2</sup>  
 General population - Oral; Long term systemic effects: 0.0342 mg/kg bw/day  
 General population - Oral; Short term Acute: 0.205 mg/kg bw/day

PNEC  
 - Fresh water; 0.00204 mg/l  
 - marine water; 0.000204 mg/l  
 - Intermittent release; 0.0204 mg/l  
 - STP; 1.049 mg/l  
 - Soil; 0.0463 mg/kg soil dw

PARA-MENTH-1-EN-8-OL (CAS: 98-55-5)

DNEL  
 No DNEL available.

PNEC  
 - STP; 2.6 mg/l  
 - Sediment (Freshwater); 1.85 mg/kg  
 - Sediment (Marinewater); 0.185 mg/kg  
 - Soil; 0.329 mg/kg

CITRONELLOL (CAS: 106-22-9)

DNEL  
 Workers - Inhalation; Long term systemic effects: 161.6 mg/m<sup>3</sup>  
 Workers - Inhalation; Long term local effects: 10 mg/m<sup>3</sup>  
 Workers - Inhalation; Short term Acute: 10 mg/m<sup>3</sup>  
 Workers - Dermal; Long term systemic effects: 327.4 mg/kg bw/day  
 General population - Inhalation; Long term systemic effects: 47.8 mg/m<sup>3</sup>  
 General population - Inhalation; Long term local effects: 10 mg/m<sup>3</sup>  
 General population - Inhalation; Short term Acute: 10 mg/m<sup>3</sup>  
 General population - Dermal; Long term systemic effects: 196.4 mg/kg bw/day  
 General population - Dermal; Short term local effects, Acute: 2.950 mg/cm<sup>2</sup>  
 Workers - Dermal; Short term Acute, local effects: 2.950 mg/cm<sup>2</sup>  
 General population - Oral; Long term systemic effects: 13.8 mg/kg bw/day

PNEC  
 - Fresh water; 0.0024 mg/l  
 - marine water; 0.00024 mg/l  
 - Intermittent release; 0.024 mg/l  
 - STP; 580 mg/l  
 - Sediment (Freshwater); 0.0256 mg/kg sediment dw  
 - Sediment (Marinewater); 0.00256 mg/kg sediment dw  
 - Soil; 0.00371 mg/kg soil dw

Nerol (CAS: 106-25-2)

DNEL  
 Workers - Inhalation; Long term systemic effects: 5.4 mg/m<sup>3</sup>  
 Workers - Dermal; Long term systemic effects: 0.76 mg/kg bw/day  
 Workers - Dermal; Long term local effects: 0.133 mg/cm<sup>2</sup>  
 General population - Inhalation; Long term systemic effects: 1.3 mg/m<sup>3</sup>  
 General population - Dermal; Long term systemic effects: 0.38 mg/kg bw/day  
 General population - Oral; Long term systemic effects: 0.38 mg/kg bw/day

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- PNEC
- Fresh water; 0.00745 mg/l
  - marine water; 0.000745 mg/l
  - Intermittent release; 0.0745 mg/l
  - STP; 12.9 mg/l
  - Sediment (Freshwater); 0.133 mg/kg sediment dw
  - Sediment (Marinewater); 0.0133 mg/kg sediment dw
  - Soil; 0.0223 mg/kg soil dw

BENZYL VIOLET 4B (CAS: 1694-09-3)

DNEL No DNEL available.

PNEC No PNEC available.

CINNAMYL ALCOHOL (CAS: 104-54-1)

- DNEL
- Workers - Inhalation; Long term systemic effects: 2.277 mg/m<sup>3</sup>
  - Workers - Dermal; Long term systemic effects: 1.998 mg/kg bw/day
  - General population - Inhalation; Long term systemic effects: 0.5665 mg/m<sup>3</sup>
  - General population - Dermal; Long term systemic effects: 0.4926 mg/kg bw/day
  - General population - Oral; Long term systemic effects: 3.995 mg/kg bw/day

- PNEC
- Fresh water; 0.109 mg/l
  - marine water; 0.0109 mg/l
  - Intermittent release; 1.09 mg/l
  - STP; 16.127 mg/l
  - Sediment (Freshwater); 220.188 mg/kg sediment dw
  - Sediment (Marinewater); 220.188 mg/kg sediment dw
  - Soil; 0.185 mg/kg soil dw

Decanal (CAS: 112-31-2)

- DNEL
- Workers - Inhalation; Long term systemic effects: 24.9 mg/m<sup>3</sup>
  - Workers - Dermal; Long term systemic effects: 7 mg/kg bw/day
  - General population - Inhalation; Long term systemic effects: 6.1 mg/m<sup>3</sup>
  - General population - Dermal; Long term systemic effects: 3.5 mg/kg bw/day
  - General population - Oral; Long term systemic effects: 3.5 mg/kg bw/day

- PNEC
- Fresh water; 0.00117 mg/l
  - marine water; 0.000117 mg/l
  - Intermittent release; 0.0117 mg/l
  - STP; 3.16 mg/l
  - Sediment (Freshwater); 0.0972 mg/kg sediment dw
  - Sediment (Marinewater); 0.00972 mg/kg sediment dw
  - Soil; 0.0187 mg/kg soil dw

Octanal (CAS: 124-13-0)

- DNEL
- Workers - Inhalation; Long term systemic effects: 1.3 mg/m<sup>3</sup>
  - Workers - Dermal; Long term systemic effects: 0.37 mg/kg bw/day
  - General population - Inhalation; Long term systemic effects: 0.32 mg/m<sup>3</sup>
  - General population - Dermal; Long term systemic effects: 0.19 mg/kg bw/day
  - General population - Oral; Long term systemic effects: 0.19 mg/kg bw/day

- PNEC
- Fresh water; 0.00154 mg/l
  - marine water; 0.000154 mg/l
  - STP; 3.16 mg/l
  - Sediment (Freshwater); 0.07146 mg/kg sediment dw
  - Sediment (Marinewater); 0.00715 mg/kg sediment dw
  - Soil; 0.01339 mg/kg soil dw

4-(2,6,-TRIMETHYLCYCLOHEX-1-ENE-1-YL)-BUT-3-ENE-2-ONE (CAS: 14901-07-6)

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DNEL  
 Workers - Inhalation; Long term systemic effects: 23.21 mg/m<sup>3</sup>  
 Workers - Dermal; Long term systemic effects: 13.17 mg/kg bw/day  
 General population - Inhalation; Long term systemic effects: 5.72 mg/m<sup>3</sup>  
 General population - Dermal; Long term systemic effects: 6.58 mg/kg bw/day  
 General population - Oral; Long term systemic effects: 3.29 mg/kg bw/day

PNEC  
 - Fresh water; 0.004146 mg/l  
 - marine water; 0.0004146 mg/l  
 - Intermittent release; 0.04146 mg/l  
 - STP; 0.698 mg/l  
 - Sediment (Freshwater); 63.23 mg/kg sediment dw  
 - Sediment (Marinewater); 63.23 mg/kg sediment dw  
 - Soil; 29.47 mg/kg soil dw

### BENZYLOXYMETHANOL (CAS: 14548-60-8)

DNEL  
 No DNEL available.

PNEC  
 No PNEC available.

### DELTA-DAMASCONE (CAS: 57378-68-4)

DNEL  
 No DNEL available.

PNEC  
 No PNEC available.

### MYRCENE (CAS: 123-35-3)

DNEL  
 Workers - Inhalation; Long term systemic effects: 5.83 mg/m<sup>3</sup>  
 Workers - Dermal; Long term systemic effects: 0.83 mg/kg bw/day  
 General population - Inhalation; Long term systemic effects: 1.25 mg/m<sup>3</sup>  
 General population - Dermal; Long term systemic effects: 0.42 mg/kg bw/day  
 General population - Oral; Long term systemic effects: 0.42 mg/kg bw/day

PNEC  
 - Fresh water; 0.008 mg/l  
 - marine water; 0.0008 mg/l  
 - STP; 0.2 mg/l  
 - Sediment (Freshwater); 5.022 mg/kg sediment dw  
 - Sediment (Marinewater); 0.502 mg/kg sediment dw  
 - Soil; 1.015 mg/kg soil dw

## 8.2. Exposure controls

### Protective equipment



Appropriate engineering controls Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection Contact lenses should not be worn when working with this chemical. The following protection should be worn: Chemical splash goggles.

Hand protection Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. In case of intensive contact, wear protective gloves (EN 374). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. protective gloves shall be replaced immediately when physically damaged or worn. Appropriate Material - Butyl, Material Thickness - 0.6 to 0.8mm, Breakthrough Time - 8Hrs

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Other skin and body protection	Use engineering controls to reduce air contamination to permissible exposure level. Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Provide eyewash station and safety shower. Barrier cream applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin.
Hygiene measures	Provide eyewash station. Wash promptly if skin becomes contaminated. Promptly remove non-impervious clothing that becomes contaminated. Do not eat, drink or smoke when using this product.
Respiratory protection	If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Gas filter, type A2.
Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Appearance	Clear liquid.
Colour	Blue.
Odour	Slight alcoholic. Perfume.
pH	pH (concentrated solution): 6.5 to 8.5
Melting point	Below minus 10°C
Initial boiling point and range	90°C @ 760 mm Hg
Flash point	45°C Closed cup.
Relative density	0.984-0.994g/ml @ 20°C
Solubility(ies)	Completely soluble in water. Very soluble in the following materials: Alcohols.

#### 9.2. Other information

Volatile organic compound	This product contains a maximum VOC content of 105 g/l.
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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#### 10.2. Chemical stability

Stability	There are no known reactivity hazards associated with this product. No particular stability concerns. Stable at normal ambient temperatures and when used as recommended.
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#### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Not applicable. Will not polymerise.
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#### 10.4. Conditions to avoid

Conditions to avoid	Avoid heat, flames and other sources of ignition. Avoid contact with the following materials: Acids. Oxidising agents.
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#### 10.5. Incompatible materials

Materials to avoid	Strong acids. Strong alkalis. Strong oxidising agents.
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#### 10.6. Hazardous decomposition products

Hazardous decomposition products	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

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Acute toxicity - oral	
ATE oral (mg/kg)	70,463.23
Acute toxicity - dermal	
ATE dermal (mg/kg)	70,463.23
Acute toxicity - inhalation	
ATE inhalation (vapours mg/l)	704.63
General information	To the best of our knowledge the chemical, physical and toxicological properties have not been thoroughly investigated.
Inhalation	Gas or vapour may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.
Ingestion	Gastrointestinal symptoms, including upset stomach.
Skin contact	Repeated exposure may cause skin dryness or cracking.
Eye contact	Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain.
Acute and chronic health hazards	Not expected to be a health hazard when used under normal conditions.
Route of exposure	Inhalation Skin absorption Ingestion. Skin and/or eye contact
Target organs	Central nervous system Eyes Gastro-intestinal tract Kidneys Liver Respiratory system, lungs Blood
Medical symptoms	Irritation of eyes and mucous membranes. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Visual disturbances, including blurred vision.

### SECTION 12: Ecological information

Ecotoxicity	The product is not expected to be hazardous to the environment. The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.
12.1. Toxicity	
12.2. Persistence and degradability	
Persistence and degradability	The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in The Detergents Regulations (as amended). The product is biodegradable but it must not be discharged into drains without permission from the authorities.
12.3. Bioaccumulative potential	
Bioaccumulative potential	The product contains potentially bioaccumulating substances.
12.4. Mobility in soil	
Mobility	The product is soluble in water.
12.5. Results of PBT and vPvB assessment	
Results of PBT and vPvB assessment	This product does not contain any substances classified as PBT or vPvB.
12.6. Other adverse effects	

### SECTION 13: Disposal considerations

13.1. Waste treatment methods	
General information	Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. The packaging must be empty (drop-free when inverted).
Disposal methods	Absorb in vermiculite, dry sand or earth and place into containers. Dispose of waste via a licensed waste disposal contractor. Containers should be thoroughly emptied before disposal because of the risk of an explosion.

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### SECTION 14: Transport information

#### 14.1. UN number

UN No. (ADR/RID)	1993
UN No. (IMDG)	1993
UN No. (ICAO)	1993
UN No. (ADN)	1993

#### 14.2. UN proper shipping name

Proper shipping name (ADR/RID)	FLAMMABLE LIQUID, N.O.S. (CONTAINS ETHANOL, METHANOL)
Proper shipping name (IMDG)	FLAMMABLE LIQUID, N.O.S. (CONTAINS ETHANOL, METHANOL)
Proper shipping name (ICAO)	FLAMMABLE LIQUID, N.O.S. (CONTAINS ETHANOL, METHANOL)
Proper shipping name (ADN)	FLAMMABLE LIQUID, N.O.S. (CONTAINS ETHANOL, METHANOL)

#### 14.3. Transport hazard class(es)

ADR/RID class	3
ADR/RID classification code	F1
ADR/RID label	3
IMDG class	3
ICAO class/division	3
ADN class	3

#### Transport labels



#### 14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III
ADN packing group	III

#### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant  
No.

#### 14.6. Special precautions for user

EmS	F-E, S-E
ADR transport category	3
Emergency Action Code	•3Y
Hazard Identification Number (ADR/RID)	30
Tunnel restriction code	(D/E)

#### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

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### SECTION 15: Regulatory information

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

National regulations	Control of Pollution (Special Waste) Regulations 1980 (as amended). The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
Guidance	Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG228. Approved Classification and Labelling Guide (Sixth edition) L131.

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.
Issued by	HS&E Manager.
Revision date	05/03/2021
Revision	2
Supersedes date	12/03/2019
SDS number	20797
SDS status	Approved.
Hazard statements in full	H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H290 May be corrosive to metals. H301 Toxic if swallowed. H311 Toxic in contact with skin. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H331 Toxic if inhaled. H370 Causes damage to organs (Central nervous system, Optic Nerve (Nervus Opticus)).

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.