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

1.1. Product identifier

Product name: Extreme Cooling System Degreaser
Product code: W25541

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

1.2.1. Relevant identified uses

Use of the substance/mixture: Cleaning of cooling systems from combustion engines.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Wynn's Belgium
Industriepark-West 46
9100 Sint-Niklaas - Belgium
T +32 3 766 60 20 - F +32 3 778 16 56
msds@wynns.eu - www.wynns.com

1.4. Emergency telephone number

Emergency number: BIG: +32(0)14/58.45.45 (NL FR EN DE)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]
Eye Dam. 1 H318

Full text of H statements: see section 16

Adverse physicochemical, human health and environmental effects
No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP):

Signal word (CLP): Danger
Hazardous ingredients:
- Dodecylbenzenesulphonic acid, compound with isoproplamine (1:1); isotridecyl alcohol ethoxylate; Poly(oxy-1,2-ethanediyl), .alpha.-isodecyl-.omega.-hydroxy-

Hazard statements (CLP):
- H318 - Causes serious eye damage.

EUH-statements:
- EUH208 - Contains 1,2-Benzisothiazol-3(2H)-one. May produce an allergic reaction.

Precautionary statements (CLP):
- P102 - Keep out of reach of children.
- P280 - Wear eye protection.
- P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 - Immediately call a POISON CENTER, a doctor.


Component: anionic surfactants, non-ionic surfactants
BENZISOTHIAZOLINONE

2.3. Other hazards

No additional information available
**SECTION 3: Composition/information on ingredients**

### 3.1. Substances

Not applicable

### 3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>% w</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dodecylbenzenesulphonic acid, compound with isopropylamine (1:1)</td>
<td>(CAS-No.) 26264-05-1 (EC-No.) 247-556-2</td>
<td>5 - 10</td>
<td>Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318</td>
</tr>
<tr>
<td>isostridecyl alcohol ethoxylate</td>
<td>(CAS-No.) 9043-30-5 (EC-No.) 500-027-2</td>
<td>2,5 - 5</td>
<td>Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318</td>
</tr>
<tr>
<td>Poly(oxy-1,2-ethanediyl),.alpha.-isodecyl-.omega.-hydroxy-</td>
<td>(CAS-No.) 61827-42-7 (EC-No.) 612-519-5</td>
<td>2,5 - 5</td>
<td>Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318</td>
</tr>
<tr>
<td>1,2-Benzisothiazol-3(2H)-one</td>
<td>(CAS-No.) 2634-33-5 (EC-No.) 220-120-9 (EC Index-No.) 613-088-00-6 (REACH-no) 01-2120761540-60</td>
<td>0,01 - 0,02</td>
<td>Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>Specific concentration limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,2-Benzisothiazol-3(2H)-one</td>
<td>(CAS-No.) 2634-33-5 (EC-No.) 220-120-9 (EC Index-No.) 613-088-00-6 (REACH-no) 01-2120761540-60</td>
<td>(C &gt;= 0,05) Skin Sens. 1, H317</td>
</tr>
</tbody>
</table>

Full text of H-statements: see section 16

**SECTION 4: First aid measures**

### 4.1. Description of first aid measures


**First-aid measures after inhalation**: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

**First-aid measures after skin contact**: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation or rash occurs: Get medical advice/attention.

**First-aid measures after eye contact**: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an eye specialist.

**First-aid measures after ingestion**: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER/doctor if you feel unwell. Ingestion of large quantities: immediately to hospital.

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

No additional information available

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

No additional information available

**SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

**Suitable extinguishing media**: All extinguishing agents can be used.

**Unsuitable extinguishing media**: None to our knowledge. If there is a fire close by, use suitable extinguishing agents.

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

**Fire hazard**: No fire hazard. Not flammable.

**Explosion hazard**: Product is not explosive.

### 5.3. Advice for firefighters

**Protection during firefighting**: Do not enter fire area without proper protective equipment, including respiratory protection.
SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment: Wear suitable gloves and eye/face protection, protective clothing.

Emergency procedures: Mark the danger area. Avoid contact with skin and eyes. Take off contaminated clothing.

6.1.2. For emergency responders

Protective equipment: Equip cleanup crew with proper protection.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment: Collect spillage. Contain leaking substance, pump over in suitable containers.

Methods for cleaning up: Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Contaminated surfaces: clean (treat) with an excess of water.

6.4. Reference to other sections

For further information refer to section 8: “Exposure controls/personal protection”.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Presents no particular risk when handled in accordance with good occupational hygiene practice. Avoid contact with skin and eyes.

Hygiene measures: Use good personal hygiene practices. Wash contaminated clothing before reuse. IF ON SKIN: Gently wash with plenty of soap and water.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Keep out of frost. Does not require any specific or particular technical measures.

Storage conditions: Meet the legal requirements. Store in a closed container.

Storage area: Meet the legal requirements.

Special rules on packaging: Meet the legal requirements. Labelling according to.

7.3. Specific end use(s)

Read label before use. See product bulletin for detailed information.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

2-Propyn-1-ol, compound with methyloxirane (38172-91-7)

DNEL/DMEL (Workers)

Long-term - systemic effects, dermal: 1,47 mg/kg bodyweight/day
Long-term - systemic effects, inhalation: 5,18 mg/m³

DNEL/DMEL (General population)

Long-term - systemic effects, oral: 0,36 mg/kg bodyweight/day
Long-term - systemic effects, inhalation: 1,27 mg/m³

Long-term - systemic effects, dermal: 0,73 mg/kg bodyweight/day

Prop-2-yn-1-ol (107-19-7)

DNEL/DMEL (Workers)

Acute - local effects, inhalation: 9,4 mg/m³
Long-term - systemic effects, dermal: 0,83 mg/kg bodyweight/day
Long-term - systemic effects, inhalation: 4,7 mg/m³

DNEL/DMEL (General population)

Acute - local effects, inhalation: 5,9 mg/m³
Long-term - systemic effects, oral: 0,063 mg/kg bodyweight/day
Long-term - systemic effects, inhalation: 0,71 mg/m³

Long-term - systemic effects, dermal: 0,42 mg/kg bodyweight/day

PNEC (Water)

PNEC aqua (freshwater): 0,002 mg/l
8.2. Exposure controls

Appropriate engineering controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Does not require any specific or particular technical measures.

Personal protective equipment: Gloves. Safety glasses.

Hand protection: Neoprene. Nitrile rubber. Polyvinylchloride (PVC). Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Time of penetration is to be checked with the glove producer.

Other information: Breakthrough time: >30'. Thickness of the glove material >0.1 mm.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Clear</td>
</tr>
<tr>
<td>Colour</td>
<td>Light yellow</td>
</tr>
<tr>
<td>Odour</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odour threshold</td>
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</tr>
<tr>
<td>pH</td>
<td>7</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
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</tr>
<tr>
<td>Refraction index</td>
<td>1,355</td>
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<tr>
<td>Melting point</td>
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<tr>
<td>Freezing point</td>
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<tr>
<td>Boiling point</td>
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<tr>
<td>Flash point</td>
<td>&gt; 250 °C</td>
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<td>Auto-ignition temperature</td>
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<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
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<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
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<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Density @20°C</td>
<td>1005 kg/m³</td>
</tr>
<tr>
<td>Solubility</td>
<td>Soluble in water</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Log Kow</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic @40°C</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic @40°C</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td></td>
</tr>
<tr>
<td>Viscosity Index</td>
<td></td>
</tr>
</tbody>
</table>
Extreme Cooling System Degreaser
Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Explosive properties: No data available
Oxidising properties: No data available
Explosive limits: No data available

9.2. Other information
VOC content: 0 %
Additional information: The physical and chemical data in this section are typical values for this product and are not intended as product specifications.

SECTION 10: Stability and reactivity

10.1. Reactivity
No additional information available

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
No additional information available

10.4. Conditions to avoid
No additional information available

10.5. Incompatible materials
No additional information available

10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity: Not classified

Dodecylbenzenesulphonic acid, compound with isopropylamine (1:1) (26264-05-1)
ATE CLP (oral) 500 mg/kg bodyweight

isotridecyl alcohol ethoxylate (9043-30-5)
ATE CLP (oral) 500 mg/kg bodyweight

Poly(oxy-1,2-ethanediyl), .alpha.-isodecyl-.omega.-hydroxy-(61827-42-7)
LD50 oral rat 501 - 1999 mg/kg bodyweight
LD50 dermal rat > 4000 mg/kg bodyweight
ATE CLP (oral) 501 mg/kg bodyweight

1,2-Benzisothiazol-3(2H)-one (2634-33-5)
LD50 oral rat 1193 mg/kg bodyweight
LD50 dermal rat 4115 mg/kg bodyweight
ATE CLP (oral) 1193 mg/kg bodyweight
ATE CLP (dermal) 4115 mg/kg bodyweight

Skin corrosion/irritation: Not classified
pH: 7

Serious eye damage/irritation: Causes serious eye damage.
pH: 7

Respiratory or skin sensitisation: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive toxicity: Not classified
STOT-single exposure: Not classified
STOT-repeated exposure: Not classified
Aspiration hazard: Not classified
SECTION 12: Ecological information

12.1. Toxicity
Ecology - general:
This product contains hazardous components for the aquatic environment. The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

**Poly(oxy-1,2-ethanediyl), .alpha.-isodecyl-.omega.-hydroxy-**

(61827-42-7)

| LC50 fish 1 | 96h 10,1 - 99,9 mg/l Leuciscus idus |
| EC50 Daphnia 1 | 48h 10,1 - 99,9 mg/l Daphnia magna |
| EC50 other aquatic organisms 1 | 72h 10,1 - 99,9 mg/l Algae |
| NOEC (chronic) | > 1 mg/l Daphnia magna |
| NOEC chronic fish | > 1 mg/l Leuciscus idus |

**1,2-Benzisothiazol-3(2H)-one (2634-33-5)**

| LC50 fish 1 | 96h 2,18 mg/l Oncorhynchus mykiss |
| EC50 Daphnia 1 | 48h 2,94 mg/l Daphnia magna |
| ErC50 (algae) | 72h 0,11 mg/l Pseudokirchneriella subcapitata |
| NOEC (acute) | 72h 0,027 mg/l Skeletonema costatum |

12.2. Persistence and degradability

**Extreme Cooling System Degreaser**

Persistence and degradability:
The surfactant(s) contained in this preparation complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

**Poly(oxy-1,2-ethanediyl), .alpha.-isodecyl-.omega.-hydroxy-**

(61827-42-7)

Persistence and degradability: Readily biodegradable.

Chemical oxygen demand (COD) 2,065 g O₂/g substance

12.3. Bioaccumulative potential

**Poly(oxy-1,2-ethanediyl), .alpha.-isodecyl-.omega.-hydroxy-**

(61827-42-7)

Bioaccumulative potential: Bioaccumulation unlikely.

**1,2-Benzisothiazol-3(2H)-one (2634-33-5)**

Log Pow 1,3

12.4. Mobility in soil
No additional information available

12.5. Results of PBT and vPvB assessment
No additional information available

12.6. Other adverse effects
No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations: Dispose in a safe manner in accordance with local/national regulations. Remove to an authorized waste treatment plant. Avoid release to the environment.

European List of Waste (LoW) code: 20 01 29* - detergents containing dangerous substances

15 01 10* - packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number
Not regulated for transport

14.2. UN proper shipping name
Not applicable
14.3. Transport hazard class(es)
Not applicable

14.4. Packing group
Not applicable

14.5. Environmental hazards
Other information : No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport
No additional information available

14.6.2. Transport by sea
No additional information available

14.6.3. Air transport
No additional information available

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

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations
Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances
VOC content : 0 %

15.1.2. National regulations
Water hazard class (WGK) : 2 - Significantly hazardous to water

15.2. Chemical safety assessment
No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 4 (Oral) : Acute toxicity (oral), Category 4
Aquatic Acute 1 : Hazardous to the aquatic environment — Acute Hazard, Category 1
Eye Dam. 1 : Serious eye damage/eye irritation, Category 1
Skin Irrit. 2 : Skin corrosion/irritation, Category 2
Skin Sens. 1 : Skin sensitisation, Category 1
H302 : Harmful if swallowed.
H315 : Causes skin irritation.
H317 : May cause an allergic skin reaction.
H318 : Causes serious eye damage.
H400 : Very toxic to aquatic life.
EUH208 : Contains 1,2-Benzisothiazol-3(2H)-one. May produce an allergic reaction.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.