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

### 1.1. Product identifier

Product form : Mixture

Product name : Diesel Clean-Up

Product code : W25241

### 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 : Diesel fuel additive

Function or use category : Fuel additives

#### 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]**

| | |
|---|---|
| Flam. Liq. 3 | H226 |
| Asp. Tox. 1 | H304 |
| Aquatic Chronic 3 | H412 |

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) :

GHS02 GHS08

Signal word (CLP) : Danger

Hazardous ingredients : distillates (Fischer-Tropsch), C8-26, branched and linear

Hazard statements (CLP) : H226 - Flammable liquid and vapour.
H304 - May be fatal if swallowed and enters airways.
H412 - Harmful to aquatic life with long lasting effects.

EUH-statements : EUH066 - Repeated exposure may cause skin dryness or cracking.

Precautionary statements (CLP) : P102 - Keep out of reach of children.
P405 - Store locked up.
P210 - Keep away from heat, hot surfaces, sparks, open flames. No smoking.
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor
P331 - Do NOT induce vomiting.
P273 - Avoid release to the environment.

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name | Product identifier | % w | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|---|---|
| distillates (Fischer-Tropsch), C8-26, branched and linear | (CAS-No.) 848301-67-7<br>(EC-No.) 481-740-5<br>(REACH-no) 01-0000020119-75 | 75 - 90 | Asp. Tox. 1, H304 |
| 4-methylpentan-2-ol | (CAS-No.) 108-11-2<br>(EC-No.) 203-551-7<br>(EC Index-No.) 603-008-00-8<br>(REACH-no) 01-2119473979-13 | 5 - 10 | Flam. Liq. 3, H226<br>Eye Irrit. 2, H319<br>STOT SE 3, H335 |
| 2-Ethylhexyl nitrate | (CAS-No.) 27247-96-7<br>(EC-No.) 248-363-6<br>(REACH-no) 01-2119539586-27 | 5 - 10 | Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Dermal), H312<br>Acute Tox. 4 (Inhalation:dust,mist), H332<br>Aquatic Chronic 2, H411 |
| Hydrocarbons, C10, aromatics, <1% naphthalene | (EC-No.) 918-811-1<br>(REACH-no) 01-2119463583-34 | 1 - 2,5 | STOT SE 3, H336<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411 |
| 2-ethylhexan-1-ol<br>substance with a Community workplace exposure limit | (CAS-No.) 104-76-7<br>(EC-No.) 203-234-3<br>(REACH-no) 01-2119487289-20 | 0,1 - 1 | Acute Tox. 4 (Inhalation:dust,mist), H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>STOT SE 3, H335 |
| Naphthalene | (CAS-No.) 91-20-3<br>(EC-No.) 202-049-5<br>(EC Index-No.) 601-052-00-2<br>(REACH-no) 01-2119561346-37 | 0,1 - 1 | Acute Tox. 4 (Oral), H302<br>Carc. 2, H351<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |

| Name | Product identifier | Specific concentration limits |
|---|---|---|
| 4-methylpentan-2-ol | (CAS-No.) 108-11-2<br>(EC-No.) 203-551-7<br>(EC Index-No.) 603-008-00-8<br>(REACH-no) 01-2119473979-13 | (C >= 25) STOT SE 3, H335 |

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : Check the vital functions. Keep victim at rest in half upright position. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Prevent cooling by covering the victim (no warming up). If necessary seek medical advice.

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 : After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. If skin irritation 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. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : If swallowed, 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

Symptoms/effects after skin contact : Repeated exposure may cause skin dryness or cracking.

Symptoms/effects after ingestion : Harmful if swallowed. Headache. Abdominal pain. May be fatal if swallowed and enters airways. Risk of aspiration pneumonia.

### 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 : Water spray. AFFF foam. ABC-powder.

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

Fire hazard : Flammable liquid and vapour. This material can accumulate static charge by flow or agitation and can be ignited by static discharge.

Explosion hazard : No direct explosion hazard.

### 5.3. Advice for firefighters

Firefighting instructions : Prevent fire fighting water from entering the environment.

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

General measures : Use special care to avoid static electric charges. No open flames. No smoking.

#### 6.1.1. For non-emergency personnel

Protective equipment : Safety glasses. Gloves. protective clothing. Face-shield.

Emergency procedures : Mark the danger area. Prevent flow to low areas. In confined space use self-contained breathing apparatus. 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. Clean preferably with a detergent - Avoid the use of solvents.

### 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 : Meet the legal requirements. Repeated exposure may cause skin dryness or cracking. Presents no particular risk when handled in accordance with good occupational hygiene practice.

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

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Meet the legal requirements. Store in a closed container. Protect from sunlight. Store in a well-ventilated place.

Storage temperature : < 45 °C

Storage area : Meet the legal requirements. Ventilation along the floor.

Special rules on packaging : Keep only in original container. Labelling according to.

### 7.3. Specific end use(s)

Read label before use. Observe the label precautions. See product bulletin for detailed information.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**4-methylpentan-2-ol (108-11-2)**

| | | |
|---|---|---|
| Belgium | Limit value (mg/m³) | 106 mg/m³ |
| Belgium | Limit value (ppm) | 25 ppm |
| Belgium | Short time value (mg/m³) | 169 mg/m³ |
| Belgium | Short time value (ppm) | 40 ppm |
| Belgium | Remark (BE) | D |
| France | VME (mg/m³) | 100 mg/m³ |
| France | VME (ppm) | 25 ppm |

**4-methylpentan-2-ol (108-11-2)**

| | | |
|---|---|---|
| Germany | TRGS 900 Occupational exposure limit value (mg/m³) | 85 mg/m³ |
| Germany | TRGS 900 Occupational exposure limit value (ppm) | 20 ppm |
| Italy - Portugal - USA ACGIH | ACGIH TWA (ppm) | 25 ppm |
| Italy - Portugal - USA ACGIH | ACGIH STEL (ppm) | 40 ppm |
| United Kingdom | WEL TWA (mg/m³) | 106 mg/m³ |
| United Kingdom | WEL TWA (ppm) | 25 ppm |
| United Kingdom | WEL STEL (mg/m³) | 170 mg/m³ |
| United Kingdom | WEL STEL (ppm) | 40 ppm |

**Hydrocarbons, C10, aromatics, <1% naphthalene**

| | | |
|---|---|---|
| Belgium | Limit value (mg/m³) | 200 mg/m³ |

**2-ethylhexan-1-ol (104-76-7)**

| | | |
|---|---|---|
| EU | IOELV TWA (mg/m³) | 5,4 mg/m³ |
| EU | IOELV TWA (ppm) | 1 ppm |
| Germany | TRGS 900 Occupational exposure limit value (mg/m³) | 110 mg/m³ |
| Germany | TRGS 900 Occupational exposure limit value (ppm) | 20 ppm |

**Naphthalene (91-20-3)**

| | | |
|---|---|---|
| EU | IOELV TWA (mg/m³) | 50 mg/m³ |
| EU | IOELV TWA (ppm) | 10 ppm |
| Belgium | Limit value (mg/m³) | 53 mg/m³ |
| Belgium | Limit value (ppm) | 10 ppm |
| Belgium | Short time value (mg/m³) | 80 mg/m³ |
| Belgium | Short time value (ppm) | 15 ppm |
| Belgium | Remark (BE) | D |
| Hungary | AK-érték | 50 mg/m³ |

**distillates (Fischer-Tropsch), C8-26, branched and linear (848301-67-7)**

| | |
|---|---|
| PNEC (Sediment) | |
| PNEC sediment (freshwater) | 2,06 mg/kg dwt |
| PNEC (Soil) | |
| PNEC soil | 1,68 mg/kg dwt |
| PNEC (STP) | |
| PNEC sewage treatment plant | 10 mg/l |

**2-Ethylhexyl nitrate (27247-96-7)**

| | |
|---|---|
| DNEL/DMEL (Workers) | |
| Long-term - systemic effects, dermal | 1 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 0,35 mg/m³ |
| DNEL/DMEL (General population) | |
| Long-term - systemic effects, dermal | 0,52 mg/kg bodyweight/day |
| PNEC (STP) | |
| PNEC sewage treatment plant | 10 mg/l |

**4-methylpentan-2-ol (108-11-2)**

| | |
|---|---|
| DNEL/DMEL (Workers) | |
| Acute - systemic effects, inhalation | 208 mg/m³ |
| Acute - local effects, inhalation | 104 mg/m³ |
| Long-term - systemic effects, dermal | 11,8 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 83 mg/m³ |
| Long-term - local effects, inhalation | 83 mg/m³ |
| DNEL/DMEL (General population) | |
| Acute - systemic effects, inhalation | 155,2 mg/m³ |
| Acute - local effects, inhalation | 52,1 mg/m³ |
| Long-term - systemic effects,oral | 4,2 mg/kg bodyweight/day |

**4-methylpentan-2-ol (108-11-2)**

| | |
|---|---|
| Long-term - systemic effects, inhalation | 14,7 mg/m³ |
| Long-term - systemic effects, dermal | 4,2 mg/kg bodyweight/day |
| Long-term - local effects, inhalation | 14,7 mg/m³ |
| PNEC (Water) | |
| PNEC aqua (freshwater) | 0,6 mg/l |
| PNEC aqua (marine water) | 0,06 mg/l |
| PNEC aqua (intermittent, freshwater) | 3,3 mg/l |
| PNEC (Sediment) | |
| PNEC sediment (freshwater) | 2,94 mg/kg dwt |
| PNEC sediment (marine water) | 0,3 mg/kg dwt |
| PNEC (Soil) | |
| PNEC soil | 0,24 mg/kg dwt |
| PNEC (STP) | |
| PNEC sewage treatment plant | 1 mg/l |

**Hydrocarbons, C10, aromatics, <1% naphthalene**

| | |
|---|---|
| DNEL/DMEL (Workers) | |
| Long-term - systemic effects, dermal | 12,5 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 151 mg/m³ |
| DNEL/DMEL (General population) | |
| Long-term - systemic effects,oral | 7,5 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 32 mg/m³ |
| Long-term - systemic effects, dermal | 7,5 mg/kg bodyweight/day |

**2-ethylhexan-1-ol (104-76-7)**

| | |
|---|---|
| DNEL/DMEL (Workers) | |
| Acute - local effects, inhalation | 53,2 mg/m³ |
| Long-term - systemic effects, dermal | 23 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 12,8 mg/m³ |
| Long-term - local effects, inhalation | 53,2 mg/m³ |
| DNEL/DMEL (General population) | |
| Acute - local effects, inhalation | 26,6 mg/m³ |
| Long-term - systemic effects,oral | 1,1 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 2,3 mg/m³ |
| Long-term - systemic effects, dermal | 11,4 mg/kg bodyweight/day |
| Long-term - local effects, inhalation | 26,6 mg/m³ |
| PNEC (Water) | |
| PNEC aqua (freshwater) | 0,017 mg/l |
| PNEC aqua (marine water) | 0,0017 mg/l |
| PNEC aqua (intermittent, freshwater) | 0,17 mg/l |
| PNEC (Sediment) | |
| PNEC sediment (freshwater) | 0,284 mg/kg dwt |
| PNEC sediment (marine water) | 0,0284 mg/kg dwt |
| PNEC (Soil) | |
| PNEC soil | 0,047 mg/kg dwt |
| PNEC (STP) | |
| PNEC sewage treatment plant | 10 mg/l |

**Naphthalene (91-20-3)**

| | |
|---|---|
| DNEL/DMEL (Workers) | |
| Long-term - systemic effects, dermal | 3,57 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 25 mg/m³ |
| Long-term - local effects, inhalation | 25 mg/m³ |
| PNEC (STP) | |
| PNEC sewage treatment plant | 2,9 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. 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

| | |
|---|---|
| Physical state | : Liquid |
| Appearance | : clear. |
| Colour | : Green. |
| Odour | : No data available |
| Odour threshold | : No data available |
| pH | : |
| Relative evaporation rate (butylacetate=1) | : No data available |
| refraction index | : 1,434 |
| Melting point | : No data available |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : 53 °C |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : No data available |
| Vapour pressure | : No data available |
| Relative vapour density at 20 °C | : No data available |
| Relative density | : No data available |
| Density @20°C | : 786 kg/m³ |
| Solubility | : insoluble in water. |
| Log Pow | : No data available |
| Log Kow | : No data available |
| Viscosity, kinematic @40°C | : 2,44 mm²/s |
| Viscosity, dynamic @40°C | : No data available |
| Viscosity | : |
| Viscosity Index | : |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits | : No data available |

### 9.2. Other information

| | |
|---|---|
| VOC content | : 98,45 % |
| 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

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from strong acids and strong oxidizers.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

On burning: release of harmful/irritant gases/vapours. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Harmful: may cause lung damage if swallowed

**distillates (Fischer-Tropsch), C8-26, branched and linear (848301-67-7)**

| | |
|---|---|
| LD50 oral rat | > 5000 mg/kg bodyweight Sprague-Dawley |
| LD50 dermal rat | > 2000 mg/kg bodyweight Sprague-Dawley |

**2-Ethylhexyl nitrate (27247-96-7)**

| | |
|---|---|
| LD50 oral rat | > 9600 mg/kg bodyweight Sprague-Dawley |
| ATE CLP (oral) | 500 mg/kg bodyweight |
| ATE CLP (dermal) | 1100 mg/kg bodyweight |
| ATE CLP (dust,mist) | 1,5 mg/l/4h |

**4-methylpentan-2-ol (108-11-2)**

| | |
|---|---|
| LD50 oral rat | 2590 mg/kg bodyweight |
| LD50 dermal rabbit | 2870 mg/kg bodyweight |
| LC50 inhalation rat (mg/l) | > 16 mg/l/4h Wistar |
| ATE CLP (oral) | 2590 mg/kg bodyweight |
| ATE CLP (dermal) | 2870 mg/kg bodyweight |

**Hydrocarbons, C10, aromatics, <1% naphthalene**

| | |
|---|---|
| LD50 oral rat | 6318 mg/kg bodyweight Crl:CDBR |
| LD50 dermal rabbit | > 2000 mg/kg bodyweight New Zealand White |
| LC50 inhalation rat (mg/l) | > 4,688 mg/l/4h Sprague-Dawley |
| ATE CLP (oral) | 6318 mg/kg bodyweight |

**2-ethylhexan-1-ol (104-76-7)**

| | |
|---|---|
| LD50 oral rat | 3290 mg/kg |
| LD50 dermal rabbit | > 3000 mg/kg |
| LC50 inhalation rat (mg/l) | 1,1 mg/l/4h |
| ATE CLP (oral) | 3290 mg/kg bodyweight |
| ATE CLP (dermal) | 3000 mg/kg bodyweight |
| ATE CLP (vapours) | 1,1 mg/l/4h |
| ATE CLP (dust,mist) | 1,1 mg/l/4h |

**Naphthalene (91-20-3)**

| | |
|---|---|
| LD50 oral rat | > 2000 mg/kg bodyweight Sprague-Dawley |
| LD50 dermal rat | > 2500 mg/kg bodyweight Sherman |
| ATE CLP (oral) | 500 mg/kg bodyweight |

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

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 : May be fatal if swallowed and enters airways.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : May cause long lasting harmful effects to aquatic life.

Ecology - water : Harmful to aquatic life with long lasting effects.

**distillates (Fischer-Tropsch), C8-26, branched and linear (848301-67-7)**

| | |
|---|---|
| LC50 fish 1 | > 1000 mg/l @96h Pimephales promelas |
| EC50 Daphnia 1 | > 1000 mg/l @48h Daphnia magna |
| EC50 other aquatic organisms 1 | > 1000 mg/l @72h Pseudokirchneriella subcapitata |
| NOEC (acute) | > 1000 mg/l @48h Daphnia magna |

**2-Ethylhexyl nitrate (27247-96-7)**

| | |
|---|---|
| LC50 fish 1 | 96h 2 mg/l Brachydanio rerio |
| EC50 Daphnia 1 | > 12,6 mg/l @48h Daphnia magna |
| EC50 other aquatic organisms 1 | 72h 1,57 mg/l Pseudokirchnerella subcapitata |

**4-methylpentan-2-ol (108-11-2)**

| | |
|---|---|
| LC50 fish 1 | > 92,4 mg/l @96h Pimephales promelas |
| EC50 Daphnia 1 | 48h 337 mg/l Daphnia magna |
| EC50 other aquatic organisms 1 | 96h 334 mg/l Pseudokirchneriella subcapitata |
| NOEC (acute) | 48h 288 mg/l Daphnia magna |

**Hydrocarbons, C10, aromatics, <1% naphthalene**

| | |
|---|---|
| LC50 fish 1 | 96h 2 - 5 mg/l Oncorhynchus mykiss |
| EC50 Daphnia 1 | 48h 10 mg/l Daphnia magna |
| EC50 other aquatic organisms 1 | 72h 1 - 3 mg/l Pseudokirchneriella subcapitata |

**2-ethylhexan-1-ol (104-76-7)**

| | |
|---|---|
| LC50 fish 1 | 96h 28,2 mg/l pimephales promelas |
| EC50 Daphnia 1 | 48h 39 mg/l daphnia magna |
| EC50 other aquatic organisms 1 | 72h 11,5 mg/l algae (desmodesmus subspicatus) |

**Naphthalene (91-20-3)**

| | |
|---|---|
| LC50 fish 1 | 96h 1,6 mg/l Oncorhynchus mykiss |
| EC50 Daphnia 1 | 48h 2,16 mg/l Daphnia magna |

### 12.2. Persistence and degradability

**distillates (Fischer-Tropsch), C8-26, branched and linear (848301-67-7)**

Persistence and degradability: Readily biodegradable.

**2-Ethylhexyl nitrate (27247-96-7)**

Persistence and degradability: Not readily biodegradable.

**4-methylpentan-2-ol (108-11-2)**

Persistence and degradability: Readily biodegradable in water. easily degradable in the soil.

**2-ethylhexan-1-ol (104-76-7)**

Persistence and degradability: Readily biodegradable.

### 12.3. Bioaccumulative potential

**distillates (Fischer-Tropsch), C8-26, branched and linear (848301-67-7)**

Log Pow: > 6,5 @40°C

**2-ethylhexan-1-ol (104-76-7)**

Bioaccumulative potential: No bioaccumulation.

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

**2-ethylhexan-1-ol (104-76-7)**

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 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 : 14 06 03* - other solvents and solvent mixtures
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

UN-No. (ADR) : 1993

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : FLAMMABLE LIQUID, N.O.S.

Transport document description (ADR) : UN 1993 FLAMMABLE LIQUID, N.O.S. (METHYL ISOBUTYL CARBINOL), 3, III, (D/E)

### 14.3. Transport hazard class(es)

Class (ADR) : 3

Danger labels (ADR) : 3


### 14.4. Packing group

Packing group (ADR) : III

### 14.5. Environmental hazards

Other information : No supplementary information available.

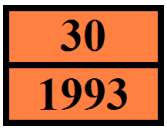
### 14.6. Special precautions for user

#### 14.6.1. Overland transport

Hazard identification number (Kemler No.) : 30

Classification code (ADR) : F1

Orange plates :




Special provisions (ADR) : 274, 601, 640E

Transport category (ADR) : 3

Tunnel restriction code (ADR) : D/E

Limited quantities (ADR) : 5l

Excepted quantities (ADR) : E1

EAC code : •3YE

#### 14.6.2. Transport by sea

EmS-No. (1) : F-E, S-E

#### 14.6.3. Air transport

Instruction "cargo" (ICAO) : 366

Instruction "passenger" (ICAO) : 355

Instruction "passenger" - Limited quantities (ICAO) : Y344

### 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 : 98,45 %

#### 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 (Dermal) | Acute toxicity (dermal), Category 4 |
| Acute Tox. 4 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 4 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Aquatic Acute 1 | Hazardous to the aquatic environment — Acute Hazard, Category 1 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment — Chronic Hazard, Category 1 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment — Chronic Hazard, Category 2 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment — Chronic Hazard, Category 3 |
| Asp. Tox. 1 | Aspiration hazard, Category 1 |
| Carc. 2 | Carcinogenicity, Category 2 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Liq. 3 | Flammable liquids, Category 3 |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Narcosis |
| H226 | Flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H312 | Harmful in contact with skin. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H351 | Suspected of causing cancer. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |
| EUH066 | Repeated exposure may cause skin dryness or cracking. |

*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.*