

# Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 17.03.2015

Revision: 24.04.2015

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

- **Product details**

- **Trade name:** *DILUENT*

- **Application of the substance / the preparation** *Cleaning agent/ Cleaner*

- **Supplier:**

*ZEMATRA bv*

*Steenspil 28*

*4661 TZ Halsteren*

*The Netherlands*

*tel.: +31 164 687770*

*Fax.: +31 164 680512*

*E-mail: info@zematra.com*

*www.zematra.com*

- **Further information obtainable from:** *Safety Department Zematra*

- **Information in case of emergency:**

*+31 164 687770 (office hours)*

*+31(0)30-2748888 (outside office hours, Nationaal Vergiftigen Informatie Centrum (for medical staff only))*

## 2 Hazards identification

- **Classification of the substance or mixture**

- **Classification according to Regulation (EC) No 1272/2008**

*GHS08 health hazard*

*Carc. 2                    H351 Suspected of causing cancer.*

*GHS09 environment*

*Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.*

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

*Xn; Harmful*

*R40-65: Limited evidence of a carcinogenic effect. Harmful; may cause lung damage if swallowed.*

*N; Dangerous for the environment*

*R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*

*R66-67: Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.*

- **Information concerning particular hazards for human and environment:**

*At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.*

*Has a narcotizing effect.*

- **Label elements**

- **Labelling according to Regulation (EC) No 1272/2008**

- **Hazard pictograms** *GHS08, GHS09*

- **Signal word** *Warning*

- **Hazard-determining components of labelling:**

*naphthalene*

- **Hazard statements**

*H351 Suspected of causing cancer.*

*H411 Toxic to aquatic life with long lasting effects.*

- **Precautionary statements**

*P281 Use personal protective equipment as required.*

*P273 Avoid release to the environment.*

*P308+P313 IF exposed or concerned: Get medical advice/attention.*

*P391 Collect spillage.*

*P405 Store locked up.*

*P501 Dispose of contents/container in accordance with local/regional/national/international regulations.*

- **Labelling according to EU guidelines:**

*The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.*

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Trade name: **DILUENT**

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· **Body protection:** Protective work clothing

## 9 Physical and chemical properties

· **General Information**· **Appearance:**

· **Form:** Liquid  
 · **Colour:** Colourless  
 · **Odour:** Aromatic

· **Change in condition**

· **Melting point/Melting range:** <-20°C  
 · **Boiling point/Boiling range:** 180°C

· **Flash point:** 62°C· **Ignition temperature:** 485°C· **Danger of explosion:** Product does not present an explosion hazard.· **Explosion limits:**

· **Lower:** 0.6 Vol %  
 · **Upper:** 7.0 Vol %

· **Vapour pressure at 20°C:** 10 hPa· **Density at 20°C:** 0.89 g/cm<sup>3</sup>

· **Solubility in / Miscibility with water at 20°C:** 0.1 g/l

## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Materials to be avoided:**
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** Carbon monoxide and carbon dioxide

## 11 Toxicological information

· **Acute toxicity:**· **LD/LC50 values relevant for classification:****91-20-3 naphthalene**

Oral | LD50 | 5000 mg/kg (rat)

Dermal | LD50 | 5000 mg/kg (rat)

· **Primary irritant effect:**

- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

## 12 Ecological information

· **Ecotoxicological effects:**· **Remark:** Toxic for fish· **Additional ecological information:**· **General notes:**

Also poisonous for fish and plankton in water bodies.

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Toxic for aquatic organisms  
 Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
 Do not allow product to reach ground water, water course or sewage system.  
 Danger to drinking water if even small quantities leak into the ground.

## 13 Disposal considerations

- **Product:**
- **Recommendation**  
 Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

Quantities in single or in combination packaging with inner-packagings containing each less than 5 L packed in strong packaging:

IATA: Chemicals not restricted (Special provision A197 - IATA 56th Edition)

IMO: Not restricted (Ref 2.10.2.7 IMDG Code 2016 - Effective 1-1-2015)

ADR: Not restricted (Special provision 375 - ADR 2015)

In case > 5 L in single or > 5 L in an inner-packaging of combination packaging:

|  |
|--|
| <ul style="list-style-type: none"> <li>· <b>Land transport ADR/RID (cross-border)</b></li> <li>· <b>ADR/RID class:</b> 9 (M6) Miscellaneous dangerous substances and articles.</li> <li>· <b>Danger code (Kemler):</b> 90</li> <li>· <b>UN-Number:</b> 3082</li> <li>· <b>Packaging group:</b> III</li> <li>· <b>Hazard label</b> 9</li> <li>· <b>Special marking:</b> Symbol (fish and tree)</li> <li>· <b>Description of goods:</b> 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Solvent naphtha (petroleum), heavy arom., NAPHTHALENE, CRUDE)</li> <li>· <b>Tunnel restriction code E</b></li> </ul> |
| <ul style="list-style-type: none"> <li>· <b>Maritime transport IMDG:</b></li> <li>· <b>IMDG Class:</b> 9</li> <li>· <b>UN Number:</b> 3082</li> <li>· <b>Label</b> 9</li> <li>· <b>Packaging group:</b> III</li> <li>· <b>EMS Number:</b> F-A,S-F</li> <li>· <b>Marine pollutant:</b> Yes</li> <li>· <b>Proper shipping name:</b> ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Solvent naphtha (petroleum), heavy arom., NAPHTHALENE, CRUDE)</li> </ul>  |
| <ul style="list-style-type: none"> <li>· <b>Air transport ICAO-TI and IATA-DGR:</b></li> <li>· <b>ICAO/IATA Class:</b> 9</li> <li>· <b>UN/ID Number:</b> 3082</li> <li>· <b>Label</b> 9</li> <li>· <b>Special marking:</b> Symbol (fish and tree)</li> <li>· <b>Packaging group:</b> III</li> <li>· <b>Proper shipping name:</b> ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Solvent naphtha (petroleum), heavy arom., NAPHTHALENE, CRUDE)</li> </ul>   |

- **UN "Model Regulation":**  
 UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III

## 15 Regulatory information

- **Labelling according to Regulation (EC) No 1272/2008**
- **Hazard pictograms** GHS08, GHS09
- **Signal word** Warning
- **Hazard-determining components of labelling:**  
 naphthalene

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**· Hazard statements**

- H351 Suspected of causing cancer.  
H411 Toxic to aquatic life with long lasting effects.

**· Precautionary statements**

- P281 Use personal protective equipment as required.  
P273 Avoid release to the environment.  
P308+P313 IF exposed or concerned: Get medical advice/attention.  
P391 Collect spillage.  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**· Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

**· Code letter and hazard designation of product:**

- Xn Harmful  
N Dangerous for the environment

**· Risk phrases:**

- 40 Limited evidence of a carcinogenic effect.  
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
65 Harmful: may cause lung damage if swallowed.  
66 Repeated exposure may cause skin dryness or cracking.  
67 Vapours may cause drowsiness and dizziness.

**· Safety phrases:**

- 2 Keep out of the reach of children.  
23 Do not breathe fumes.  
23 Do not breathe smoke.  
24 Avoid contact with skin.  
36/37 Wear suitable protective clothing and gloves.  
57 Use appropriate container to avoid environmental contamination.

· **Chemical safety assessment** A Chemical Safety Assessment has not been carried out.

**· National regulations:**

· **Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**· Abbreviations and acronyms:**

- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)  
ICAO: International Civil Aviation Organization  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent

· **\* Data compared to the previous version altered.**