

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 24.04.2015

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.

(Contd. on page 2)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 24.04.2015

Revision: 24.04.2015

Trade name: DILUENT

(Contd. of page 1)

- **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.

3 Composition/information on ingredients

- **Chemical characterization:**

- **CAS No. Description**

64742-94-5 Solvent naphtha (petroleum), heavy arom.

- **Identification number(s)**

- **EINECS Number:** 265-198-5

- **Index number:** 649-424-00-3

- **Chemical characterization**

- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:** Void

4 First aid measures

- **General information:** Immediately remove any clothing soiled by the product.

- **After inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

- **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- **After swallowing:** Do not induce vomiting; call for medical help immediately.

5 Firefighting measures

- **Suitable extinguishing agents:**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:**

Ensure adequate ventilation

Wear protective clothing.

(Contd. on page 3)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 24.04.2015

Revision: 24.04.2015

Trade name: DILUENT

(Contd. of page 2)

- **Measures for environmental protection:**
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
Dispose of the material collected according to regulations.

7 Handling and storage

- **Handling:**
- **Information for safe handling:** Store in cool, dry place in tightly closed receptacles.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

- **Ingredients with limit values that require monitoring at the workplace:**

95-63-6 1,2,4-trimethylbenzene

WEL	Long-term value: 125 mg/m ³ , 25 ppm
ILV	

108-67-8 mesitylene

WEL	Long-term value: 125 mg/m ³ , 25 ppm
ILV	

- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
Do not inhale dust / smoke / mist.
Apply solvent resistant skin cream before starting work.
- **Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.
- **Protection of hands:**
Solvent resistant gloves
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses

(Contd. on page 4)

GB

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 24.04.2015

Revision: 24.04.2015

Trade name: DILUENT

(Contd. of page 3)

· **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/cm³

· **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.**

(Contd. on page 5)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 24.04.2015

Revision: 24.04.2015

Trade name: DILUENT

(Contd. of page 4)

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:

· Land transport ADR/RID (cross-border)	
· ADR/RID class:	9 (M6) Miscellaneous dangerous substances and articles.
· Danger code (Kemler):	90
· UN-Number:	3082
· Packaging group:	III
· Hazard label	9
· Special marking:	Symbol (fish and tree)
· Description of goods:	3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Solvent naphtha (petroleum), heavy arom., NAPHTHALENE, CRUDE)
· Tunnel restriction code E	
· Maritime transport IMDG:	
· IMDG Class:	9
· UN Number:	3082
· Label	9
· Packaging group:	III
· EMS Number:	F-A, S-F
· Marine pollutant:	Yes
	Symbol (fish and tree)
· Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Solvent naphtha (petroleum), heavy arom., NAPHTHALENE, CRUDE)
· Air transport ICAO-TI and IATA-DGR:	
· ICAO/IATA Class:	9
· UN/ID Number:	3082
· Label	9
· Special marking:	Symbol (fish and tree)
· Packaging group:	III
· Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Solvent naphtha (petroleum), heavy arom., NAPHTHALENE, CRUDE)

- **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

(Contd. on page 6)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 24.04.2015

Revision: 24.04.2015

Trade name: DILUENT

(Contd. of page 5)

- **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.**