

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 05.12.2014







Version number 1

Revision: 05.12.2014

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

- **1.1 Product identifier**
- **Trade name:** ***DISSOLUTION ESSENCE***
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the preparation :** *Assembly of rubber parts*
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
ZEFAL
ZI des Cailloux
45150 Jargeau - France
Tel: +33(0)2 38 59 70 45
Fax: +33(0)2 38 59 99 14
Email: zefal@zefal.com / Mr Brunet
- **1.4 Emergency telephone number:**
France (ORFILA 24h/24) - Tel : +33 (0)1 45 42 59 59
Ireland - Tel : 00 353 1 8092568 - 00 353 1 8379964 (24h/24)
EU Tel : 112

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008 :**
 -  **GHS02**
Flam. Liq. 2 H225 Highly flammable liquid and vapour.
 -  **GHS08**
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.
 -  **GHS09**
Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.
 -  **GHS07**
*Skin Irrit. 2 H315 Causes skin irritation.
STOT SE 3 H336 May cause drowsiness or dizziness.*
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC :**
 -  **Xn; Harmful**
R65: Harmful: may cause lung damage if swallowed.
 -  **Xi; Irritant**
R38: Irritating to skin.

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**F; Highly flammable****R11:** Highly flammable.**N; Dangerous for the environment****R51/53:** Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.**R67:** Vapours may cause drowsiness and dizziness.**Information concerning particular hazards for human and environment:**

The product has to be labelled in the latest valid version according to the calculation procedure of the "General Classification guideline for preparations of the EU".

Has a narcotising effect.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

Hazard pictograms

GHS02

GHS07

GHS08

GHS09

Signal word Danger**Hazard-determining components of labelling:**

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
Naphtha (petroleum), hydrotreated light

Hazard statements**H225** Highly flammable liquid and vapour.**H315** Causes skin irritation.**H336** May cause drowsiness or dizziness.**H304** May be fatal if swallowed and enters airways.**H411** Toxic to aquatic life with long lasting effects.**Precautionary statements****P101** If medical advice is needed, have product container or label at hand.**P102** Keep out of reach of children.**P103** Read label before use.**P241** Use explosion-proof electrical/ventilating/lighting/equipment.**P243** Take precautionary measures against static discharge.**P273** Avoid release to the environment.**P233** Keep container tightly closed.**P261** Avoid breathing dust/fume/gas/mist/vapours/spray.**P280** Wear protective gloves/protective clothing/eye protection/face protection.**P242** Use only non-sparking tools.**P210** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.**P264** Wash hands thoroughly after handling.**P301+P310** IF SWALLOWED: Immediately call a POISON CENTER/ doctor.**P304+P340** IF INHALED: Remove person to fresh air and keep comfortable for breathing.**P312** Call a POISON CENTER/doctor if you feel unwell.

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P370+P378 In case of fire: Use for extinction: CO₂, powder or water spray.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P331 Do NOT induce vomiting.

P302+P352 IF ON SKIN: Wash with plenty of water.

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

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterisation: Mixtures**

· **Description:** Mixture: consisting of the following components.

· **Dangerous components:**

CAS: 92045-53-9 EC number: 927-510-4 Reg.nr.: 01-2119475515-33-xxxx	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics ☒ Xn R65; ☒ Xi R38; ☒ F R11; ☒ N R51/53 R67 ⚠ Flam. Liq. 2, H225; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	70-80%
CAS: 64742-49-0 EINECS: 265-151-9 Index number: 649-328-00-1 Reg.nr.: 01-2119473851-33	Naphtha (petroleum), hydrotreated light ☒ Xn R65; ☒ F R11; ☒ N R51/53 R66-67 ⚠ Flam. Liq. 1, H224; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ STOT SE 3, H336	70-80%
CAS: 67-56-1 EINECS: 200-659-6 Index number: 603-001-00-X RTECS: PC 1400000 Reg.nr.: 01-2119433307-44	methanol ☒ T R23/24/25-39/23/24/25; ☒ F R11 ⚠ Flam. Liq. 2, H225; ⚠ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; ⚠ STOT SE 1, H370	0.2-0.3%

· **Additional information:** For the wording of the listed risk phrases, refer to section 16.

SECTION 4: First aid measures

· **4.1 Description of first aid measures**

· **After excessive inhalation:**

In case of unconsciousness place patient in a stable laying down 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.

· **After swallowing:**

Do not induce vomiting; call for medical help immediately.

If symptoms persist consult a doctor.

· **4.2 Most important symptoms and effects, both acute and delayed :**

No further relevant information available.

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- **4.3 Indication of any immediate medical attention and special treatment needed :**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Suitable extinguishing agents:** CO₂, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture :**
Formation of toxic gases is possible during heating or in case of fire.
In case of fire, the following can be released:
Nitrogen oxides (NO_x)
Carbon monoxide (CO)
Under certain fire conditions, traces of other toxic gases cannot be excluded.
- **5.3 Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.
- **Additional information** Cool endangered receptacles with water spray.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures :**
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents
- **6.4 Reference to other sections :**
See Section 7 for information on safe handling.
See Section 8 for information on personal protective equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling :**
Keep receptacles tightly sealed.
Keep away from heat and direct sunlight.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**



Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

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- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:**
 - Store away from flammable substances.
 - Store away from oxidising agents.
- **Further information about storage conditions:**
 - Keep container tightly sealed.
 - Store in cool, dry conditions in well sealed receptacles.
- **7.3 Specific end use(s) :** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see section 7.
- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
 - The product does not contain any significant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:**
 - As a basis for the production of this document, the most current valid lists were used.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 - Keep away from food, beverages and petfood.
 - Immediately remove all soiled and contaminated clothing
 - Wash hands before breaks and at the end of work.
 - Avoid all contact with the skin.
 - Avoid contact with the eyes and skin.
- **Respiratory protection:** Not required.
- **Protection of hands:**



Protective gloves

- **Gloves material :**
 - The selection of suitable gloves does not only depend on the material, but also on further marks of quality which may vary from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked before use.
- **Eye protection:**



Tightly sealed goggles

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SECTION 9: Physical and chemical properties**· 9.1 Information on basic physical and chemical properties****· General Information****· Appearance:**

· Form:	Liquid
· Colour:	Light brown
· Odour:	Characteristic
· Odour threshold:	Not determined.

· pH-value: Not determined.**· Change in condition**

· Melting point/Melting range:	Undetermined.
· Boiling point/Boiling range:	60-98 °C

· Flash point: < -18 °C**· Flammability (solid, gaseous):** Not applicable.**· Ignition temperature:** >230 °C**· Decomposition temperature:** Not determined.**· Self-igniting:** Product is not self igniting.**· Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.**· Explosion limits:**

· Lower:	Not determined.
· Upper:	Not determined.

· Vapour pressure at 37.8 °C: 350 mbar

· Density at 15 °C:	0.678 g/cm ³
· Relative density :	Not determined.
· Vapour density :	Not determined.
· Evaporation rate :	Not determined.

· Solubility in / Miscibility with water: Not miscible or difficult to mix.**· Segregation coefficient (n-octanol/water):** Not determined.**· Viscosity:**

· Dynamic:	Not determined.
· Kinematic:	Not determined.

· 9.2 Other information : No further relevant information available.**SECTION 10: Stability and reactivity****· 10.1 Reactivity****· 10.2 Chemical stability****· Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.**· 10.3 Possibility of hazardous reactions :** Reacts with strong acids and oxidising agents.**· 10.4 Conditions to avoid :** No further relevant information available.**· 10.5 Incompatible materials:** No further relevant information available.

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- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

· **11.1 Information on toxicological effects**

· **Acute toxicity:**

· **Primary irritant effect:**

· **On the skin:** Irritant to skin and mucous membranes.

· **On the eyes:** No irritant effect.

· **Sensitisation:** No sensitising effects known.

· **Additional toxicological information:**

The product shows the following hazards according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:** No further relevant information available.

· **12.2 Persistence and degradability :** No further relevant information available.

· **12.3 Bioaccumulative potential :** No further relevant information available.

· **12.4 Mobility in soil :** No further relevant information available.

· **Ecotoxicological effects:**

· **Remark:** Toxic for fish

· **Additional ecological information:**

· **General notes:**

Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

· **12.5 Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Other adverse effects :** No further relevant information available.

SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation :**



Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

· **14.1 UN-Number**
· **ADR, IMDG, IATA** UN1993

· **14.2 UN proper shipping name**
· **ADR** UN1993 FLAMMABLE LIQUID, N.O.S. (Naphtha (petroleum), hydrotreated light, Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics), ENVIRONMENTALLY HAZARDOUS, special provision 640D

· **IMDG** FLAMMABLE LIQUID, N.O.S. (Naphtha (petroleum), hydrotreated light, Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics), MARINE POLLUTANT

· **IATA** FLAMMABLE LIQUID, N.O.S. (Naphtha (petroleum), hydrotreated light, Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics)

· **14.3 Transport hazard class(es)**

· **ADR**



· **Class** 3 (F1) Flammable liquids.
· **Label** 3

· **IMDG**



· **Class** 3 Flammable liquids.
· **Label** 3

· **IATA**



· **Class** 3 Flammable liquids.
· **Label** 3

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· 14.4 Packing group · ADR, IMDG, IATA	II
· 14.5 Environmental hazards: · Marine pollutant: · Special marking (ADR):	<i>Product contains environmentally hazardous substances: Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics, Naphtha (petroleum), hydrotreated light</i> <i>Yes</i> <i>Symbol (fish and tree)</i> <i>Symbol (fish and tree)</i>
· 14.6 Special precautions for user · Danger code (Kemler): · EMS Number:	<i>Warning: Flammable liquids.</i> <i>33</i> <i>F-E,S-E</i>
· 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	<i>Not applicable.</i>
· Transport/Additional information:	
· ADR · Limited quantities (LQ) · Excepted quantities (EQ) · Transport category · Tunnel restriction code	<i>IL</i> <i>Code: E2</i> <i>Maximum net quantity per inner packaging: 30 ml</i> <i>Maximum net quantity per outer packaging: 500 ml</i> <i>2</i> <i>D/E</i>
· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	<i>IL</i> <i>Code: E2</i> <i>Maximum net quantity per inner packaging: 30 ml</i> <i>Maximum net quantity per outer packaging: 500 ml</i>
· UN "Model Regulation":	<i>UN1993, FLAMMABLE LIQUID, N.O.S. (Naphtha (petroleum), hydrotreated light, Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics), special provision 640D, ENVIRONMENTALLY HAZARDOUS, 3, II</i>

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.
- **15.2 Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.*

SECTION 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.

- **Relevant phrases**
H224 *Extremely flammable liquid and vapour.*
H225 *Highly flammable liquid and vapour.*
H301 *Toxic if swallowed.*

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- H304 May be fatal if swallowed and enters airways.*
- H311 Toxic in contact with skin.*
- H315 Causes skin irritation.*
- H331 Toxic if inhaled.*
- H336 May cause drowsiness or dizziness.*
- H370 Causes damage to organs.*
- H411 Toxic to aquatic life with long lasting effects.*
- R11 Highly flammable.*
- R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.*
- R38 Irritating to skin.*
- R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.*
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*
- R65 Harmful: may cause lung damage if swallowed.*
- R66 Repeated exposure may cause skin dryness or cracking.*
- R67 Vapours may cause drowsiness and dizziness.*

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)*
- IMDG: International Maritime Code for Dangerous Goods*
- IATA: International Air Transport Association*
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals*
- EINECS: European Inventory of Existing Commercial Chemical Substances*
- ELINCS: European List of Notified Chemical Substances*
- CAS: Chemical Abstracts Service (division of the American Chemical Society)*
- Flam. Liq. 1: Flammable liquids, Hazard Category 1*
- Flam. Liq. 2: Flammable liquids, Hazard Category 2*
- Acute Tox. 3: Acute toxicity, Hazard Category 3*
- Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2*
- STOT SE 1: Specific target organ toxicity - Single exposure, Hazard Category 1*
- STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3*
- Asp. Tox. 1: Aspiration hazard, Hazard Category 1*
- Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2*

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