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

### 1.1. Product identifier

Product form : Substance  
Trade name/designation : **TOZANE**  
Chemical name : Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics  
EC-No. : 926-141-6  
REACH registration No : 01-2119456620-43  
Vaporizer : Spray

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

#### 1.2.1. Relevant identified uses

Main use category : Consumer use  
Use of the substance/mixture : Solvent  
Raw material for industry  
Distribution of substance  
Formulation & (re)packing of substances and mixtures  
Use as a fuel

Title	Use descriptors
Manufacture of substance (ES Ref.: 1)	SU3, SU8, SU9, SU10, PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC15, ERC1, ERC4, ESVOC SPERC 1.1.v1
Distribution of substance (ES Ref.: 2)	SU3, SU8, SU9, PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC9, PROC15, ERC1, ERC2, ERC3, ERC4, ERC5, ERC6a, ERC6b, ERC6c, ERC6d, ERC7, ESVOC SPERC 1.1b.v1
Formulation & (re)packing of substances and mixtures (ES Ref.: 3)	SU3, SU20, PROC1, PROC2, PROC3, PROC4, PROC5, PROC8a, PROC8b, PROC9, PROC14, PROC15, ERC2, ESVOC SPERC 2.2.v1
Uses in coatings (ES Ref.: 4)	SU3, PROC1, PROC2, PROC3, PROC4, PROC5, PROC7, PROC8a, PROC8b, PROC9, PROC10, PROC13, PROC14, PROC15, ERC4, ESVOC SPERC 4.3a.v1
Use in cleaning agents (ES Ref.: 7)	SU3, PROC1, PROC2, PROC3, PROC4, PROC7, PROC8a, PROC8b, PROC10, PROC13, ERC4, ESVOC SPERC 4.4a.v1
Lubricants (ES Ref.: 11)	SU3, PROC1, PROC2, PROC3, PROC4, PROC7, PROC8a, PROC8b, PROC9, PROC10, PROC11, PROC13, PROC17, PROC18, ERC4, ERC7, ESVOC SPERC 4.6a.v1
Metal working fluids/rolling oils (ES Ref.: 14)	SU3, PROC1, PROC2, PROC3, PROC4, PROC5, PROC7, PROC8a, PROC8b, PROC10, PROC13, PROC17, ERC4, ESVOC SPERC 4.7a.v1
Use as binders and release agents (ES Ref.: 16)	SU3, PROC1, PROC2, PROC3, PROC4, PROC6, PROC7, PROC8b, PROC10, PROC13, PROC14, ERC4, ESVOC SPERC 4.10a.v1
Use as a fuel (ES Ref.: 18)	SU3, PROC1, PROC2, PROC3, PROC8a, PROC8b, PROC16, ERC7, ESVOC SPERC 7.12a.v1
Functional fluids (ES Ref.: 21)	SU3, PROC1, PROC2, PROC4, PROC8a, PROC8b, PROC9, ERC7, ESVOC SPERC 7.13a.v1
Use in laboratories (ES Ref.: 26)	SU3, PROC10, PROC15, ERC2, ERC4
Use in polymer processing (ES Ref.: 29)	SU3, PROC1, PROC2, PROC3, PROC4, PROC5, PROC6, PROC8a, PROC8b, PROC9, PROC13, PROC14, PROC21, ERC4, ESVOC SPERC 4.21a.v1
Water treatment chemicals (ES Ref.: 31)	SU3, PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC13, ERC3, ERC4, ESVOC SPERC 3.22a.v1
Use in mining chemicals (ES Ref.: 34)	SU3, PROC1, PROC2, PROC3, PROC4, PROC5, PROC8a, PROC8b, PROC9, ERC4, ESVOC SPERC 4.23.v1
Uses in coatings (ES Ref.: 5)	SU22, PROC1, PROC2, PROC3, PROC4, PROC5, PROC8a, PROC8b, PROC10, PROC11, PROC13, PROC15, PROC19, ERC8a, ERC8d, ESVOC SPERC 8.3b.v1
Use in cleaning agents (ES Ref.: 8)	SU22, PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC10, PROC11, PROC13, ERC8a, ERC8d, ESVOC SPERC 8.4b.v1

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Title	Use descriptors
Use in oil and gas field drilling and production operations (ES Ref.: 10)	SU22, PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, ERC8d
Lubricants (ES Ref.: 12)	SU22, PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC9, PROC10, PROC11, PROC13, PROC17, PROC18, PROC20, ERC9a, ERC9b, ESVOC SPERC 9.6b.v1
Metal working fluids/rolling oils (ES Ref.: 15)	SU22, PROC1, PROC2, PROC3, PROC5, PROC8a, PROC8b, PROC9, PROC10, PROC11, PROC13, PROC17, ERC8a, ERC8d, ESVOC SPERC 8.7c.v1
Use as binders and release agents (ES Ref.: 17)	SU22, PROC1, PROC2, PROC3, PROC6, PROC8a, PROC8b, PROC9, PROC10, PROC11, PROC14, ERC8a, ERC8d, ESVOC SPERC 8.10b.v1
Use as a fuel (ES Ref.: 19)	SU22, PROC1, PROC2, PROC3, PROC8a, PROC8b, PROC16, ERC9a, ERC9b, ESVOC SPERC 9.12b.v1
Functional fluids (ES Ref.: 22)	SU22, PROC1, PROC2, PROC3, PROC8a, PROC9, PROC20, ERC9a, ERC9b, ESVOC SPERC 9.13b.v1
Road and construction applications (ES Ref.: 24)	SU22, PROC8a, PROC8b, PROC9, PROC10, PROC11, PROC13, ERC8d, ERC8f, ESVOC SPERC 8.15.v1
Use in laboratories (ES Ref.: 27)	SU22, PROC10, PROC15, ERC8a, ESVOC SPERC 8.17.v1
Explosives manufacture & use (ES Ref.: 28)	SU22, PROC1, PROC2, PROC3, PROC5, PROC8a, PROC8b, ERC8e, ESVOC SPERC 2.18.v1
Use in polymer processing (ES Ref.: 30)	SU22, PROC1, PROC2, PROC6, PROC8a, PROC8b, PROC14, PROC21, ERC8a, ERC8d, ESVOC SPERC 8.21b.v1
Water treatment chemicals (ES Ref.: 32)	SU22, PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC13, ERC8f, ESVOC SPERC 8.22b.v1
Uses in coatings (ES Ref.: 6)	SU21, PC1, PC4, PC8, PC9a, PC9b, PC9c, PC15, PC18, PC23, PC24, PC31, PC34, ERC8a, ERC8d, ESVOC SPERC 8.3c.v1
Use in cleaning agents (ES Ref.: 9)	SU21, PC3, PC4, PC8, PC9a, PC9b, PC9c, PC24, PC35, PC38, ERC8a, ERC8d
Lubricants (ES Ref.: 13)	SU21, PC1, PC24, PC31, ERC9a, ERC9b, ESVOC SPERC 9.6b.v1
Use as a fuel (ES Ref.: 20)	SU21, PC13, ERC9a, ERC9b, ESVOC SPERC 9.12c.v1
Functional fluids (ES Ref.: 23)	SU1, PC16, PC17, ERC9a, ERC9b, ESVOC SPERC 9.13c.v1
Other consumer uses (ES Ref.: 25)	SU21, PC28, PC39, ERC8a, ERC8d, ESVOC SPERC 8.16.v1
Water treatment chemicals (ES Ref.: 33)	SU21, PC36, PC37, ERC8f, ESVOC SPERC 8.22c.v1

Full text of use descriptors: see section 16

### 1.2.2. Uses advised against

No data available

### 1.3. Details of the supplier of the safety data sheet

ESSEGE SA  
Chaussée de Waterloo 1589D  
1180 Bruxelles  
[info@essege.com](mailto:info@essege.com)  
Tel : +32 2 375 16 80

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#### 1.4. Emergency telephone number

Emergency number : +32 3 575 03 30  
 This telephone number is available 24 hours per day, 7 days per week.

Country	Official advisory body	Address	Emergency number
Ireland	National Poisons Information Centre Beaumont Hospital	Beaumont Hospital Beaumont Road 9 Dublin	+353 1 809 21 66 (public, 8am - 10pm, 7/7) +353 01 809 2566 (Professionals, 24/7)
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre, Wolfson Unit	Claremont Place Newcastle-upon-Tyne NE1 4LP Newcastle	0844 892 0111 (UK only, 24/7, healthcare professionals only)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Asp. Tox. 1 H304

Full text of H statements : see section 16

#### 2.2. Label elements

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



Hazard pictograms (CLP) :

GHS08

Signal word :

Danger

Hazard statements (CLP) :

H304 - May be fatal if swallowed and enters airways.

Precautionary statements (CLP) :

P102 - Keep out of reach of children.  
 P280 - Wear eye protection, face protection, protective clothing, protective gloves.  
 P301+P310+P331 - IF SWALLOWED: Immediately call a doctor, a POISON CENTER. Do NOT induce vomiting.  
 P405 - Store locked up.  
 P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Extra phrases :

EUH066 - Repeated exposure may cause skin dryness or cracking.

#### 2.3. Other hazards

Other hazards :

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII. This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Comments :

Contains aromatic hydrocarbons max. 1 vol. %. Identity outside the EU (CAS number and name of the substance): 64742-47-8, Distillates (petroleum) hydrodesulfurized, light. Previous EC number 265-149-8. Registration number, See chapter 1.1.2.

Substance name :

TOZANE

EC-No. :

926-141-6

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Substance name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics	(EC-No.) 926-141-6	100	Asp. Tox. 1, H304

Full text of H-statements: see section 16

### **3.2. Mixtures**

Not applicable

## **SECTION 4: First aid measures**

### **4.1. Description of first aid measures**

Additional advice	: First aider: Pay attention to self-protection. See also section 8. In case of doubt or persistent symptoms, consult always a physician. Treat symptomatically. Never give anything by mouth to an unconscious person.
Inhalation	: Provide fresh air. Keep at rest. In case of shortness of breath, give oxygen. In case of doubt or persistent symptoms, consult always a physician.
Skin contact	: Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. In case of doubt or persistent symptoms, consult always a physician.
Eyes contact	: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
Ingestion	: Call a physician immediately. Do NOT induce vomiting. Rinse mouth. Drink 1 or 2 glasses of water.

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

Inhalation	: May cause respiratory irritation. Inhalation of high vapour concentrations can cause CNS-depression and narcosis. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Cough.
Skin contact	: The following symptoms may occur: Repeated exposure may cause skin dryness or cracking, erythema (redness).
Eyes contact	: Repeated or prolonged exposure: Ulceration, Ignition, erythema (redness). May cause eye irritation.
Ingestion	: Smallest quantities reaching the lungs through swallowing or subsequent vomiting may result in lung oedema or pneumonia. Aspiration hazard if swallowed - can enter lungs and cause damage.

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

No data available

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

Suitable extinguishing media	: Water spray, Alcohol resistant foam, Carbon dioxide, Dry extinguishing powder.
Unsuitable extinguishing media	: Strong water jet.

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

Specific hazards	: On heating there is a risk of a build-up of pressure in hermetically sealed containers or tanks. Heating causes rise in pressure with risk of bursting. Vapours may form explosive mixture with air. Vapours are heavier than air and may spread along floors. Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours. Hazardous decomposition products. Do not allow run-off from fire-fighting to enter drains or water courses.
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### **5.3. Advice for firefighters**

Firefighting instructions : Evacuate personnel to a safe area. Special protective equipment for firefighters. In case of fire: Wear self-contained breathing apparatus. Use water spray or fog for cooling exposed containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

#### **6.1.1. For non-emergency personnel**

For non-emergency personnel : Evacuate personnel to a safe area. Stay upwind/keep distance from source. Avoid contact with skin and eyes. Do not breathe vapour/aerosol. Concerning personal protective equipment to use, see section 8. Use personal protective equipment as required.

#### **6.1.2. For emergency responders**

For emergency responders : Ensure procedures and training for emergency decontamination and disposal are in place. Concerning personal protective equipment to use, see section 8.

### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

### **6.3. Methods and material for containment and cleaning up**

Methods for cleaning up : Remove all sources of ignition. Do not smoke. Use only non-sparking tools. Use only explosion-proof equipment. Provide adequate ventilation. Clean-up methods - small spillage: Stop leak if safe to do so. Take up liquid spill into absorbent material, e.g.: sand, earth, vermiculite or powdered limestone. Clean-up methods - large spillage: Recover large spills by pumping (use an explosion proof or hand pump). Delivery to an approved waste disposal company. Site should have a spill plan to ensure that adequate safeguards are in place to minimize the impact of episodic releases. Keep in suitable, closed containers for disposal.

### **6.4. Reference to other sections**

Concerning disposal elimination after cleaning, see section 13. Concerning personal protective equipment to use, see section 8.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

Precautions for safe handling : Combustible. Provide adequate information, instruction and training for operators. Provide adequate ventilation. Use personal protective equipment as required. Concerning personal protective equipment to use, see section 8. Avoid contact with skin, eyes and clothing. Do not breathe vapour/aerosol. Take precautionary measures against static discharges. Ensure equipment is adequately earthed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take any precaution to avoid mixing with combustibles... See also section 10. Ensure proper process control to avoid excess waste discharge (temperature, concentration, pH, time). Do not allow to enter into surface water or drains.

Hygiene measures : Keep good industrial hygiene. Wash hands and face before breaks and immediately after handling of the product. Take off contaminated clothing. Keep away from food, drink and animal feedingstuffs.

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

Technical measures : Keep containers tightly closed in a dry, cool and well-ventilated place. Keep only in the original container. Keep in a banded area. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not store near or with any of the incompatible materials listed in section 10.

Special rules on packaging : Packaging with child-resistant fastening. Tactile warning according to EN/ISO 11683.

Packaging materials : Teflon (R). Polypropylene. Polyethylene. Stainless steel. Carbon steel. Unsuitable materials for containers. Butyl caoutchouc (butyl rubber). NR (natural rubber, natural latex). Polystyrene. Ethylene propylene diene monomer (EPDM).

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### 7.3. Specific end use(s)

Exposure scenario : Not applicable.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics		
EU	Notes	500 (8h FIN/HTP 2011)

TOZANE	
DNEL/DMEL (additional information)	
Additional information	Derivation of DNEL(s) :. Not applicable
PNEC (additional information)	
Additional information	No data available

Additional information : Recommended monitoring procedures. Concentration measurement in air SFS-EN 689, SFS-3861. Personal monitoring

### 8.2. Exposure controls

Engineering measure(s)	: Provide adequate ventilation. Use only in area provided with appropriate exhaust ventilation. Closed system. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Take precautionary measures against static discharge. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Organisational measures to prevent /limit releases, dispersion and exposure. See also section 7.
Hand protection	: Protective gloves. NBR (Nitrile rubber). EN374 / EN 420. Breakthrough time : > 240. Class 5. The selection of specific gloves for a specific application and time of use in a working area, should also take into account other factors on the working space, such as (but not limited to): other chemicals that are possibly used, physical requirements (protection against cutting/drilling, skill, thermal protection), and the instructions/specification of the supplier of gloves.
Eye protection	: Safety glasses with side-shields. Goggles. (EN 166)
Body protection	: Wear chemical resistant apron.
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment. Half-face mask (DIN EN 140). Full face mask (EN 136). Filter type: A (EN 141). Self-contained open-circuit compressed air breathing apparatus (EN 137)
Thermal hazard protection	: Not required for normal conditions of use. Use dedicated equipment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: liquid.
Molecular weight	: 178 g/mol
Colour	: clear. Colourless.
Odour	: mild odour. Hydrocarbon-like.
Odour threshold	: No data available
pH	: Not applicable
Relative evaporation rate (butylacetate=1)	: No data available
Melting / freezing point	: < -20 °C (ASTM D 5950)
Freezing point	: No data available
Initial boiling point and boiling range	: 175 - 280 °C (EN ISO 3405)
Flash point	: >= 61 °C (EN ISO 2719)
Auto-ignition temperature	: > 200 °C (estimation)

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Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable, liquid
Vapour pressure	: (@20 °C) 0,02 kPa (estimation)
Vapour density	: > 3 (Air = 1.0)
Relative density	: 0,77 - 0,87 (H <sub>2</sub> O=1/@15°C) (ISO 12185)
Solubility	: Water: 10 mg/l slightly
Partition coefficient n-octanol/water	: 3 - 6
Kinematic viscosity	: 2 mm <sup>2</sup> /s (40 °C; EN ISO 3104)
Dynamic viscosity	: No data available
Explosive properties	: Not applicable. The study does not need to be conducted because there are no chemical groups associated with explosive properties present in the molecule.
Oxidising properties	: Not applicable. The classification procedure needs not to be applied because there are no chemical groups present in the molecule which are associated with oxidising properties.
Explosive limits	: L.E.L. - U.E.L: 0,6 - 7 vol % (estimation)

#### **9.2. Other information**

No data available

### **SECTION 10: Stability and reactivity**

#### **10.1. Reactivity**

Combustible. Reference to other sections: 10.5.

#### **10.2. Chemical stability**

Stable at ambient temperature and under normal conditions of use.

#### **10.3. Possibility of hazardous reactions**

None known.

#### **10.4. Conditions to avoid**

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. See also section 7. Handling and storage.

#### **10.5. Incompatible materials**

oxidising substances . See also section 7. Handling and storage.

#### **10.6. Hazardous decomposition products**

Burning produces noxious and toxic fumes. Hazardous decomposition products. Carbon oxides . Safe handling: see section 7. Handling and storage.

### **SECTION 11: Toxicological information**

#### **11.1. Information on toxicological effects**

Acute toxicity : Not classified (Based on available data, the classification criteria are not met.)

<b>Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, &lt; 2% aromatics</b>	
LD50/oral/rat	> 5000 mg/kg (OECD 401)
LD50/dermal/rat	> 2000 mg/kg (OECD 402)
LD50/dermal/rabbit	> 3160 mg/kg (OECD 402)
LC50/inhalation/4h/rat	> 4950 mg/m <sup>3</sup> (OECD 403)

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met.)  
 Test Method : OECD 405.  
 OECD Test Guideline 404  
 pH: Not applicable

Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met.)  
 pH: Not applicable

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Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met.) OECD Test Guideline 406
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met.) Test Method : OECD 471, 473, 474, 476, 478, 479.
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met.) Test Method OECD 453.
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met.) Test Method : OECD 421 OECD 414
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met.)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met.) Test Method : OECD 408, 413, 422.
Aspiration hazard	: May be fatal if swallowed and enters airways.

<b>TOZANE</b>	
Vaporizer	Spray
Kinematic viscosity	2 mm <sup>2</sup> /s (40 °C; EN ISO 3104)

Other information : Symptoms related to the physical, chemical and toxicological characteristics.  
Reference to other sections: 4.2.

## SECTION 12: Ecological information

### 12.1. Toxicity

Environmental properties : Aquatic toxicity is unlikely due to low solubility.

<b>Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, &lt; 2% aromatics</b>	
EC50 Daphnia 1	> 1000 mg/l OECD 202
ErC50 (algae)	> 1000 mg/l OECD 201
NOEC chronic fish	(28d) 0,173 mg/l QSAR
NOEC chronic crustacea	(21d) 1,22 mg/l QSAR
NOEC (additional information)	LL50, fish, acute, systemic : > 1000 mg/l (24 hours, OECD 203)
LL50, fish, acute, systemic	> 1000 mg/l (24 hours, OECD 203)

### 12.2. Persistence and degradability

<b>Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, &lt; 2% aromatics</b>	
Persistence and degradability	Readily biodegradable (OECD306, OECD 301F).

### 12.3. Bioaccumulative potential

<b>TOZANE</b>	
Partition coefficient n-octanol/water	3 - 6
<b>Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, &lt; 2% aromatics</b>	
Partition coefficient n-octanol/water	3 - 6

### 12.4. Mobility in soil

<b>TOZANE</b>	
Surface tension	24 - 26 mN/m (@25 °C) (Wilhelmy plate)
Ecology - soil	The product evaporates slowly.
<b>Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, &lt; 2% aromatics</b>	
Surface tension	23 - 28 mN/m (@25 °C) (Wilhelmy plate)
Ecology - soil	Adsorbs into the soil Log Kow > 3. anaerobic. slow decomposition.

### 12.5. Results of PBT and vPvB assessment



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<b>ingredient</b>	
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics ()	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**

Additional information : Harmful to birds.. Harmful to plants.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

Product/Packaging disposal recommendations : Refer to manufacturer/supplier for information on recovery/recycling. In accordance with local and national regulations. Handle with care. Safe handling: see section 7. Handling and storage. Dispose of contaminated materials in accordance with current regulations. Collect and dispose of waste product at an authorised disposal facility.

Additional information : Do not puncture or incinerate. Do not burn, or use a cutting torch on, the empty drum. Delivery to an approved waste disposal company.

Further ecological information : Do not allow to enter into surface water or drains.

European waste catalogue (2001/573/EC, 75/442/EEC, 91/689/EEC) : Waste codes should be assigned by the user based on the application for which the product was used.  
The following Waste Codes are only suggestions:  
15 01 10\* - packaging containing residues of or contaminated by dangerous substances

**SECTION 14: Transport information**

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

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

**14.6. Special precautions for user**

Special precautions for user : Not applicable

**- Overland transport**

Not applicable

**- Transport by sea**

Not applicable

**- Air transport**

Not applicable

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**- Inland waterway transport**

Not applicable

**- Rail transport**

Not applicable

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

IBC product name : Iso- and cyclo-alkanes (C12+)  
 Ship type : Type 3  
 Pollution category : Y

**SECTION 15: Regulatory information**

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

**15.1.1. EU-Regulations**

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	<b>TOZANE</b> - Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics
3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	<b>TOZANE</b> - Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics

**TOZANE** is not on the REACH Candidate List

**TOZANE** is not on the REACH Annex XIV List

**15.1.2. National regulations**

**France**

Installations classées :  
 Not applicable.

**Germany**

Reference to AwSV : Water hazard class (WGK) 1, Slightly hazardous to water (KBwS-Beschluss)  
 12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

**Netherlands**

Waterbezwaarlijkheid : 11 - Weinig schadelijk voor in het water levende organismen  
 Saneringsinspanningen : B - Lozing minimaliseren; toepassen van best uitvoerbare technieken  
 SZW-lijst van kankerverwekkende stoffen : The substance is not listed  
 SZW-lijst van mutagene stoffen : The substance is not listed  
 NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : The substance is not listed  
 NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : The substance is not listed  
 NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : The substance is not listed

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## 15.2. Chemical safety assessment

A chemical safety assessment has been carried out

### SECTION 16: Other information

Indication of changes:

14	Transport information	Added	
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Abbreviations and acronyms:

	ADN = Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route CLP = Classification, Labelling and Packaging Regulation according to 1272/2008/EC IATA = International Air Transport Association IMDG = International Maritime Dangerous Goods Code LEL = Lower Explosive Limit/Lower Explosion Limit UEL = Upper Explosion Limit/Upper Explosive Limit REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
	CSR = CSR = Chemical Safety Report
	DNEL = DNEL = Derived No Effect Level
	LD50 = Median lethal dose
	N.O.S. = Not Otherwise Specified
	PNEC = Predicted No Effect Concentration
	STEL = Short term exposure limit
	TLV = Threshold limits
	TWA = time weighted average
	WGK = Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act)
	ABM = Algemene beoordelingsmethodiek
	NOAEC = No observed adverse effect concentration
	NOEC = No observed effect concentration
	NOELR = No observed effect loading rate
	persistent, bioaccumulating and toxic (PBT).
	Quantitative structure-activity relationship (QSAR)
	vPvB = very persistent and very bioaccumulating
PNEC	Predicted No-Effect Concentration
DNEL	Derived-No Effect Level

Sources of key data used to compile the datasheet : European Chemicals Agency Supplier SDS 28/08/2012.

Training advice : Training staff on good practice.

Full text of H- and EUH-statements:

Asp. Tox. 1	Aspiration hazard, Category 1
H304	May be fatal if swallowed and enters airways.
EUH066	Repeated exposure may cause skin dryness or cracking.

Full text of use descriptors

ERC1	Manufacture of substances
ERC2	Formulation of preparations
ERC3	Formulation in materials
ERC4	Industrial use of processing aids in processes and products, not becoming part of articles
ERC5	Industrial use resulting in inclusion into or onto a matrix
ERC6a	Industrial use resulting in manufacture of another substance (use of intermediates)
ERC6b	Industrial use of reactive processing aids
ERC6c	Industrial use of monomers for manufacture of thermo-plastics

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ERC6d	Industrial use of process regulators for polymerisation processes in production of resins, rubbers, polymers
ERC7	Industrial use of substances in closed systems
ERC8a	Wide dispersive indoor use of processing aids in open systems
ERC8d	Wide dispersive outdoor use of processing aids in open systems
ERC8e	Wide dispersive outdoor use of reactive substances in open systems
ERC8f	Wide dispersive outdoor use resulting in inclusion into or onto a matrix
ERC9a	Wide dispersive indoor use of substances in closed systems
ERC9b	Wide dispersive outdoor use of substances in closed systems
ESVOC SPERC 1.1.v1	Manufacture of substance: Industrial (SU3)
ESVOC SPERC 1.1b.v1	Distribution: Industrial (SU3)
ESVOC SPERC 2.18.v1	Explosives manufacture: Industrial (SU3)
ESVOC SPERC 2.2.v1	Formulation & packing of preparations and mixtures: Industrial (SU10)
ESVOC SPERC 3.22a.v1	Water treatment chemicals: Industrial (SU10)
ESVOC SPERC 4.10a.v1	Use as binders and release agents: Industrial (SU3)
ESVOC SPERC 4.21a.v1	Polymer production: Industrial (SU10)
ESVOC SPERC 4.23.v1	Mining Chemicals: Industrial (SU10)
ESVOC SPERC 4.3a.v1	Uses in coatings: Industrial (Su3)
ESVOC SPERC 4.4a.v1	Use in cleaning agents: Industrial (SU3)
ESVOC SPERC 4.6a.v1	Lubricants: Industrial (SU3)
ESVOC SPERC 4.7a.v1	Metal working fluids and rolling oils: Industrial (SU3)
ESVOC SPERC 7.12a.v1	Use as a fuel: Industrial (SU3)
ESVOC SPERC 7.13a.v1	Functional fluids: Industrial (SU3)
ESVOC SPERC 8.10b.v1	Use as binders and release agents: Professional (SU22)
ESVOC SPERC 8.15.v1	Road and Construction applications: Professional (SU22)
ESVOC SPERC 8.16.v1	Other Consumer Uses: Consumer (SU21)
ESVOC SPERC 8.17.v1	Use as laboratory reagent, SU22
ESVOC SPERC 8.21b.v1	Polymer production: Professional (SU22)
ESVOC SPERC 8.22b.v1	Water treatment chemicals: Professional (SU22)
ESVOC SPERC 8.22c.v1	Water treatment chemicals: Consumer (SU21)
ESVOC SPERC 8.3b.v1	Uses in coatings: Professional (SU22)
ESVOC SPERC 8.3c.v1	Uses in coatings: Consumer (SU21)
ESVOC SPERC 8.4b.v1	Use in cleaning agents: Professional (SU22)
ESVOC SPERC 8.7c.v1	Metal working fluids and rolling oils: Professional (SU22) - high environmental release
ESVOC SPERC 9.12b.v1	Use as a fuel: Professional (SU22)
ESVOC SPERC 9.12c.v1	Use as a fuel: Consumer (SU21)
ESVOC SPERC 9.13b.v1	Functional fluids: Professional (SU22)
ESVOC SPERC 9.13c.v1	Functional fluids: Consumer (SU21)
ESVOC SPERC 9.6b.v1	Lubricants: Professional (SU22) - low environmental release
PC1	Adhesives, sealants
PC13	Fuels
PC15	Non-metal-surface treatment products

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PC16	Heat Transfer Fluids
PC17	Hydraulic Fluids
PC18	Ink and Toners
PC23	Leather tanning, dye, finishing, impregnation and care products
PC24	Lubricants, Greases and Release Products
PC28	Perfumes, fragrances
PC3	Air care products
PC31	Polishes and wax blends
PC34	Textile dyes, finishing and impregnating products; including bleaches and other processing aids
PC35	Washing and cleaning products (including solvent based products)
PC36	Water softeners
PC37	Water treatment chemicals
PC38	Welding and soldering products, flux products
PC39	Cosmetics, personal care products
PC4	Anti-Freeze and De-icing products
PC8	Biocidal products (e.g. Disinfectants, pest control)
PC9a	Coatings and paints, thinners, paint removers
PC9b	Fillers, putties, plasters, modelling clay
PC9c	Finger paints
PROC1	Use in closed process, no likelihood of exposure
PROC10	Roller application or brushing of adhesive and other coating.
PROC11	Non-industrial spraying
PROC13	Treatment of articles by dipping and pouring
PROC14	Production of preparations or articles by tableting, compression, extrusion, pelletisation
PROC15	Use as laboratory reagent
PROC16	Using material as fuel sources, limited exposure to unburned product to be expected
PROC17	Lubrication at high energy conditions and in partly open process
PROC18	Greasing at high energy conditions
PROC19	Hand-mixing with intimate contact and only PPE available
PROC2	Use in closed, continuous process with occasional controlled exposure
PROC20	Heat and pressure transfer fluids in dispersive use but closed systems
PROC21	Low energy manipulation of substances bound in materials and/or articles
PROC3	Use in closed batch process (synthesis or formulation)
PROC4	Use in batch and other process (synthesis) where opportunity for exposure arises
PROC5	Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)
PROC6	Calendering operations
PROC7	Industrial spraying
PROC8a	Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non dedicated facilities
PROC8b	Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities

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PROC9	Transfer of substance or mixture into small containers (dedicated filling line, including weighing)
SU1	Agriculture, forestry, fishery
SU10	Formulation [mixing] of preparations and/or re-packaging (excluding alloys)
SU20	Health services
SU21	Consumer uses: Private households (= general public = consumers)
SU22	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
SU3	Industrial uses: Uses of substances as such or in preparations* at industrial sites
SU8	Manufacture of bulk, large scale chemicals (including petroleum products)
SU9	Manufacture of fine chemicals

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
Classification according to Regulation (EC) No. 1272/2008 [CLP]  
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

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