



INJECTOR CLEANER IPONE

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
SDS Ref.: 31503
Date of issue: 03-07-18 Revision date: 03-07-18 Version: 1.0

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

1.1. Product identifier

Product form : Mixture
Product name : INJECTOR CLEANER IPONE
Product code : 31503 # 7333150R3
Type of product : Detergent

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

1.2.1. Relevant identified uses

Intended for general public
Main use category : Consumer use
Function or use category : Cleaning/washing agents and additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

IPONE S.A
La meunière
13480 CABRIES - FRANCE
T +33 4 42 94 05 65
info@ipone.fr

1.4. Emergency telephone number

| Country | Organisation/Company | Address | Emergency number | Comment |
|----------------------|--|--|--|---------|
| Ireland | National Poisons Information Centre Beaumont Hospital | PO Box 1297 Beaumont Road 9 Dublin | +353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7) | |
| Malta | Medicines & Poisons Info Office | Mater Dei Hospital MSD Msida | +356 2545 6504 | |
| Saudi Arabia | Poison Control Center-Riyadh | General Directorate of Health Affairs Medial Province | +966 112324180 +966 112324189 | |
| United Arab Emirates | Health Authority – Abu Dhabi (HAAD) Poison & Drug Information Center (PDIC) | P.O. Box 5674 Abu Dhabi | + 800-424 | |
| United Kingdom | Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust | Avonley Road SE14 5ER London | +44 20 7188 7188 | |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] Mixtures/Substances: SDS EU 2015: According to Regulation (EU) 2015/830 (REACH Annex II)

Flammable liquids, Category 3 H226
Acute toxicity (dermal), Category 4 H312
Acute toxicity (inhalation:vapour) Category 4 H332
Skin corrosion/irritation, Category 2 H315
Serious eye damage/eye irritation, Category 2 H319
Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation H335
Specific target organ toxicity — Repeated exposure, Category 2 H373
Aspiration hazard, Category 1 H304
Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412
Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

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2.2. Label elements

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

Hazard pictograms (CLP)



GHS02

GHS07

GHS08

Signal word (CLP)

: Danger

Hazardous ingredients

: xylene (mixture); Ethylbenzene

Hazard statements (CLP)

: H226 - Flammable liquid and vapour.
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.
H373 - May cause damage to organs (central nervous system, kidneys, liver) through prolonged or repeated exposure.
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP)

: P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260 - Do not breathe vapours.
P264 - Wash hands thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, protective clothing, eye protection, face protection.
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER, a doctor.
P331 - Do NOT induce vomiting.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 - Call a POISON CENTER, a doctor if you feel unwell.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P403+P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.
P501 - Dispose of contents/container to a hazardous or special waste collection point.

Child-resistant fastening

: Applicable

Tactile warning

: Applicable

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 | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---------------------|---|-------|--|
| xylene (mixture) | (CAS-No.) 1330-20-7 (EC-No.) 215-535-7 (EC Index-No.) 601-022-00-9 (REACH-no) 01-2119488216-32 | 40-60 | Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304 |
| 4-methylpentan-2-ol | (CAS-No.) 108-11-2 (EC-No.) 203-551-7 (EC Index-No.) 603-008-00-8 (REACH-no) 01-2119473979-13 | 15-30 | Flam. Liq. 3, H226 Eye Irrit. 2, H319 STOT SE 3, H335 |

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| | | | |
|---|--|------|---|
| Ethylbenzene | (CAS-No.) 100-41-4 (EC-No.) 202-849-4 (EC Index-No.) 601-023-00-4 (REACH-no) 01-2119489370-35 | 5-15 | Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 3, H412 |
| oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1) | (CAS-No.) 34140-91-5 (EC-No.) 251-846-4 (REACH-no) 01-2119974119-29 | <3 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT RE 2, H373 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 2, H411 |
| Phenol, (dimethylamino)methyl-, polyisobutylene derivs. | (EC-No.) polymer | <3 | Aquatic Chronic 3, H412 |
| Toluene | (CAS-No.) 108-88-3 (EC-No.) 203-625-9 (EC Index-No.) 601-021-00-3 (REACH-no) 01-2119471310-51 | <1 | Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361d STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 3, H412 |
| naphthalene substance with a Community workplace exposure limit substance with national workplace exposure limit(s) (BE, FR) | (CAS-No.) 91-20-3 (EC-No.) 202-049-5 (EC Index-No.) 601-052-00-2 | <0.1 | Flam. Sol. 2, H228 Acute Tox. 4 (Oral), H302 Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |

Specific concentration limits:

| Name | Product identifier | Specific concentration limits |
|---------------------|--|-------------------------------|
| 4-methylpentan-2-ol | (CAS-No.) 108-11-2 (EC-No.) 203-551-7 (EC Index-No.) 603-008-00-8 (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 | : Never give anything by mouth to an unconscious person. If medical advice is needed, have product container or label at hand. |
| First-aid measures after inhalation | : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| First-aid measures after skin contact | : Remove contaminated clothes. Wash skin with plenty of water. Wash contaminated clothing before reuse. |
| 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. |
| First-aid measures after ingestion | : Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. |

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

| | |
|-------------------------------------|---|
| Symptoms/effects after inhalation | : Harmful if inhaled. May cause respiratory irritation. |
| Symptoms/effects after skin contact | : Harmful in contact with skin. Causes skin irritation. |
| Symptoms/effects after eye contact | : Causes serious eye irritation. |
| Symptoms/effects after ingestion | : May be fatal if swallowed and enters airways. |

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|--------------------------------|--|
| Suitable extinguishing media | : Carbon dioxide. Water spray. Dry powder. Foam. |
| Unsuitable extinguishing media | : Do not use a heavy water stream. |

5.2. Special hazards arising from the substance or mixture

| | |
|--|---|
| Fire hazard | : Flammable liquid and vapour. |
| Hazardous decomposition products in case of fire | : Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases. |

5.3. Advice for firefighters

| | |
|--------------------------------|---|
| Firefighting instructions | : Exercise caution when fighting any chemical fire. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection. |

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Other information : Prevent liquid from entering sewers, watercourses, underground or low areas.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Evacuate area. Eliminate every possible source of ignition. Ensure adequate ventilation, especially in confined areas. Keep public away from danger area. Equip cleanup crew with proper protection.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Dike for recovery or absorb with appropriate material. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Recover the product with absorbent material.

Methods for cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of solid materials or residues refer to section 13 : "Disposal considerations".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Flammable liquid and vapour.

Precautions for safe handling : Do not eat, drink or smoke when using this product.

Hygiene measures : Wash contaminated clothing before reuse. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Provide local exhaust or general room ventilation.

Storage conditions : Store in a closed container. Keep out of frost.

Heat and ignition sources : Keep away from naked flames/heat. Keep away from ignition sources.

Storage area : Store in a dry place. Store in a well-ventilated place.

Special rules on packaging : Store in original container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| naphthalene (91-20-3) | | |
|-----------------------|---------------------------------------|--|
| EU | Local name | Naphthalene |
| EU | IOELV TWA (mg/m ³) | 50 mg/m ³ |
| EU | IOELV TWA (ppm) | 10 ppm |
| EU | Notes | (Year of adoption 2010) |
| EU | Regulatory reference | COMMISSION DIRECTIVE 91/322/EEC; SCOEL Recommendations |
| Belgium | Local name | Naphtalène # Naftaleen |
| Belgium | Limit value (mg/m ³) | 53 mg/m ³ |
| Belgium | Limit value (ppm) | 10 ppm |
| Belgium | Short time value (mg/m ³) | 80 mg/m ³ |
| Belgium | Short time value (ppm) | 15 ppm |
| Belgium | Remark (BE) | D: la mention "D" signifie que la résorption de l'agent, via la peau, les muqueuses ou les yeux, constitue une partie importante de l'exposition totale. Cette résorption peut se faire tant par contact direct que par présence de l'agent dans l'air. # D: de vermelding "D" betekent dat de opname van het agens via de huid, de slijmvliezen of de ogen een belangrijk deel van de totale blootstelling vormt. Deze opname kan het gevolg zijn van zowel direct contact als zijn aanwezigheid in de lucht. |

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| naphthalene (91-20-3) | | |
|-----------------------|--------------------------|--|
| Belgium | Regulatory reference | Koninklijk besluit/Arrêté royal 11/03/2002 |
| France | Local name | Naphtalène |
| France | VME (mg/m ³) | 50 mg/m ³ |
| France | VME (ppm) | 10 ppm |
| France | Note (FR) | Valeurs recommandées/admises; substance classée cancérogène de catégorie 2 |
| France | Regulatory reference | Circulaire du Ministère du travail (réf.: INRS ED 984, 2016) |

| xylene (mixture) (1330-20-7) | | |
|------------------------------|---------------------------------------|--|
| EU | Local name | Xylene, mixed isomers, pure |
| EU | IOELV TWA (mg/m ³) | 221 mg/m ³ |
| EU | IOELV TWA (ppm) | 50 ppm |
| EU | IOELV STEL (mg/m ³) | 442 mg/m ³ |
| EU | IOELV STEL (ppm) | 100 ppm |
| EU | Notes | Skin |
| EU | Regulatory reference | COMMISSION DIRECTIVE 2000/39/EC |
| Belgium | Local name | Xylène, isomères mixtes, purs # Xyleen, mengsel van isomeren, zuiver |
| Belgium | Limit value (mg/m ³) | 221 mg/m ³ |
| Belgium | Limit value (ppm) | 50 ppm |
| Belgium | Short time value (mg/m ³) | 442 mg/m ³ |
| Belgium | Short time value (ppm) | 100 ppm |
| Belgium | Remark (BE) | D: la mention "D" signifie que la résorption de l'agent, via la peau, les muqueuses ou les yeux, constitue une partie importante de l'exposition totale. Cette résorption peut se faire tant par contact direct que par présence de l'agent dans l'air. # D: de vermelding "D" betekent dat de opname van het agens via de huid, de slijmvliezen of de ogen een belangrijk deel van de totale blootstelling vormt. Deze opname kan het gevolg zijn van zowel direct contact als zijn aanwezigheid in de lucht. |
| Belgium | Regulatory reference | Koninklijk besluit/Arrêté royal 11/03/2002 |
| France | Local name | Xylène, isomères mixtes, purs |
| France | VME (mg/m ³) | 221 mg/m ³ |
| France | VME (ppm) | 50 ppm |
| France | VLE (mg/m ³) | 442 mg/m ³ |
| France | VLE (ppm) | 100 ppm |
| France | Note (FR) | Valeurs réglementaires contraignantes; risque de pénétration percutanée |
| France | Regulatory reference | Article R4412-149 du Code du travail (réf.: INRS ED 984, 2016) |

| Ethylbenzene (100-41-4) | | |
|-------------------------|---------------------------------|-----------------------|
| EU | Local name | Ethylbenzene |
| EU | IOELV TWA (mg/m ³) | 442 mg/m ³ |
| EU | IOELV TWA (ppm) | 100 ppm |
| EU | IOELV STEL (mg/m ³) | 884 mg/m ³ |
| EU | IOELV STEL (ppm) | 200 ppm |
| EU | Notes | Skin |

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| Ethylbenzene (100-41-4) | | |
|-------------------------|--------------------------|---|
| EU | Regulatory reference | COMMISSION DIRECTIVE 2000/39/EC |
| France | Local name | Ethylbenzène |
| France | VME (mg/m ³) | 88,4 mg/m ³ |
| France | VME (ppm) | 20 ppm |
| France | VLE (mg/m ³) | 402 mg/m ³ |
| France | VLE (ppm) | 100 ppm |
| France | Note (FR) | Valeurs réglementaires contraignantes; risque de pénétration percutanée |
| France | Regulatory reference | Article R4412-149 du Code du travail (réf.: INRS ED 984, 2016) |

| Toluene (108-88-3) | | |
|--------------------|---------------------------------------|--|
| EU | Local name | Toluene |
| EU | IOELV TWA (mg/m ³) | 192 mg/m ³ |
| EU | IOELV TWA (ppm) | 50 ppm |
| EU | IOELV STEL (mg/m ³) | 384 mg/m ³ |
| EU | IOELV STEL (ppm) | 100 ppm |
| EU | Notes | skin |
| EU | Regulatory reference | COMMISSION DIRECTIVE 2006/15/EC |
| Belgium | Local name | Toluène # Tolueen |
| Belgium | Limit value (mg/m ³) | 77 mg/m ³ |
| Belgium | Limit value (ppm) | 20 ppm |
| Belgium | Short time value (mg/m ³) | 384 mg/m ³ |
| Belgium | Short time value (ppm) | 100 ppm |
| Belgium | Remark (BE) | D: la mention "D" signifie que la résorption de l'agent, via la peau, les muqueuses ou les yeux, constitue une partie importante de l'exposition totale. Cette résorption peut se faire tant par contact direct que par présence de l'agent dans l'air. # D: de vermelding "D" betekent dat de opname van het agens via de huid, de slijmvliezen of de ogen een belangrijk deel van de totale blootstelling vormt. Deze opname kan het gevolg zijn van zowel direct contact als zijn aanwezigheid in de lucht. |
| Belgium | Regulatory reference | Koninklijk besluit/Arrêté royal 11/03/2002 |
| France | Local name | Toluène |
| France | VME (mg/m ³) | 76,8 mg/m ³ |
| France | VME (ppm) | 20 ppm |
| France | VLE (mg/m ³) | 384 mg/m ³ |
| France | VLE (ppm) | 100 ppm |
| France | Note (FR) | Valeurs réglementaires contraignantes; substance classée toxique pour la reproduction de catégorie 2; risque de pénétration percutanée |
| France | Regulatory reference | Article R4412-149 du Code du travail (réf.: INRS ED 984, 2016) |

8.2. Exposure controls

| Hand protection: | | | | | |
|------------------|----------------------|-------------------|----------------|-------------|----------|
| Gloves. EN 374 | | | | | |
| Type | Material | Permeation | Thickness (mm) | Penetration | Standard |
| Gloves | Nitrile rubber (NBR) | 6 (> 480 minutes) | | 3 (> 0.65) | EN 374 |

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| | | | |
|--|--------------------|------------------------|-----------------|
| Eye protection: | | | |
| Safety glasses. EN 166 | | | |
| Type | Use | Characteristics | Standard |
| Safety glasses | | With side shields | EN 166 |
| Skin and body protection: | | | |
| Wear suitable protective clothing | | | |
| Respiratory protection: | | | |
| Good ventilation of the workplace required | | | |
| Device | Filter type | Condition | Standard |
| Breathing equipment | Gas/vapour filter | Vapour protection | |

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|--|
| Physical state | : Liquid |
| Appearance | : clear. |
| Colour | : Yellow. |
| Odour | : No data available |
| Odour threshold | : No data available |
| pH | : No data available |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point | : No data available |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : 27 °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 | : 0,863 - 0,873 g/cm ³ (20°C) |
| Solubility | : No data available |
| Log Pow | : No data available |
| Viscosity, kinematic | : < 20 mm ² /s (40°C) |
| Viscosity, dynamic | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits | : No data available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Heat. Open flame. Sparks. Water, humidity. Freezing.

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10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Dermal: Harmful in contact with skin.
Acute toxicity (inhalation) : Inhalation:vapour: Harmful if inhaled.

| | |
|-------------------|---------------------------|
| ATE CLP (dermal) | 1943,998 mg/kg bodyweight |
| ATE CLP (vapours) | 16,216 mg/l/4h |

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics

| | |
|----------------------------|---------------|
| LD50 oral rat | >= 5000 mg/kg |
| LD50 dermal rabbit | >= 5000 mg/kg |
| LC50 inhalation rat (mg/l) | >= 50 mg/l/4h |

naphthalene (91-20-3)

| | |
|----------------------------|-------------------------|
| LD50 oral | 490 mg/kg |
| LD50 dermal rabbit | > 2000 mg/kg |
| LD50 dermal | > 2500 mg/kg |
| LC50 inhalation rat (mg/l) | > 340 mg/m ³ |

Reaction mass of 1,5-dimethyl glutarate, 1,6-dimethyl adipate and 1,4-dimethyl succinate

| | |
|---|---------------|
| LD50 oral rat | 5000 mg/kg |
| LD50 dermal rat | 2000 mg/kg |
| LC50 inhalation rat (Vapours - mg/l/4h) | 11000 mg/l/4h |

xylene (mixture) (1330-20-7)

| | |
|---|-------------|
| LD50 oral rat | 2000 mg/kg |
| LD50 dermal | 1100 mg/kg |
| LC50 inhalation rat (Dust/Mist - mg/l/4h) | 1,5 mg/l/4h |
| LC50 inhalation rat (Vapours - mg/l/4h) | 11 mg/l/4h |

Toluene (108-88-3)

| | |
|---|--------------|
| LD50 oral rat | 5580 mg/kg |
| LD50 dermal rabbit | 5000 mg/kg |
| LC50 inhalation rat (Vapours - mg/l/4h) | 28,1 mg/l/4h |

oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1) (34140-91-5)

| | |
|-----------------|--------------|
| LD50 oral rat | > 2000 mg/kg |
| LD50 dermal rat | > 2000 mg/kg |

Skin corrosion/irritation : Causes skin irritation.
Serious eye damage/irritation : Causes serious eye irritation.
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : May cause respiratory irritation.

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STOT-repeated exposure : May cause damage to organs (central nervous system, kidneys, liver) through prolonged or repeated exposure.

| oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1) (34140-91-5) | |
|---|--------------------|
| NOAEL (subchronic, oral, animal/male, 90 days) | 1 mg/kg bodyweight |

Aspiration hazard : May be fatal if swallowed and enters airways.

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|-------------------------------|--------------------------------|
| Viscosity, kinematic | < 20 mm ² /s (40°C) |

SECTION 12: Ecological information

12.1. Toxicity

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

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

| naphthalene (91-20-3) | |
|------------------------------|-----------------------|
| LC50 fish 2 | >= 2350 µg/l 48 hours |
| EC50 Daphnia 1 | 1,96 mg/l 48 hours |

| Hydrocarbons, C10, aromatics, >1% naphthalene | |
|---|------------------------------|
| LC50 fish 1 | 2 mg/l 4 days |
| EC50 other aquatic organisms 1 | 3 mg/l aquatic invertebrates |
| EC50 other aquatic organisms 2 | 1,1 mg/l algae |

| Phenol, (dimethylamino)methyl-, polyisobutylene derivs. | |
|--|----------------------------------|
| LC50 fish 1 | 31 mg/l 4 days |
| EC50 other aquatic organisms 1 | > 100 mg/l aquatic invertebrates |
| EC50 96h algae (1) | > 450 mg/l |

| Reaction mass of 1,5-dimethyl glutarate, 1,6-dimethyl adipate and 1,4-dimethyl succinate | |
|---|----------------|
| LC50 fish 1 | 18 - 24 mg/l |
| EC50 Daphnia 1 | 112 - 150 mg/l |
| EC50 72h algae (1) | > 85 mg/l |

| xylene (mixture) (1330-20-7) | |
|-------------------------------------|-------------|
| LC50 fish 1 | 2 - 11 mg/l |
| LC50 fish 2 | 13,5 mg/l |
| LC50 other aquatic organisms 1 | 21 mg/l |
| EC50 Daphnia 1 | 1 - 5 mg/l |
| EC50 72h algae (1) | 3 - 5 mg/l |

| Ethylbenzene (100-41-4) | |
|--------------------------------|----------------|
| LC50 fish 1 | 12,1 mg/l |
| EC50 Daphnia 1 | 1,8 - 2,4 mg/l |
| EC50 72h algae (1) | 438 mg/l |

| Toluene (108-88-3) | |
|---------------------------|-----------|
| LC50 fish 1 | 5,5 mg/l |
| EC50 Daphnia 1 | 3,78 mg/l |

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| | |
|------------------------|--|
| EC50 72h algae (1) | 10 mg/l |
| LOEC (chronic) | 2,77 mg/l 40 days onchorhynchus mykiss |
| NOEC chronic fish | 1,39 mg/l 40 days onchorhynchus mykiss |
| NOEC chronic crustacea | 10 mg/l |

oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1) (34140-91-5)

| | |
|----------------|-----------------------------------|
| LC50 fish 1 | 1,34 mg/l LC50 96 h - fish [mg/l] |
| EC50 Daphnia 1 | 1,4 mg/l |
| NOEC (acute) | 993,2 mg/kg |

12.2. Persistence and degradability

Hydrocarbons, C10, aromatics, >1% naphthalene

| | |
|----------------|--------------|
| Biodegradation | 58 % 28 days |
|----------------|--------------|

Phenol, (dimethylamino)methyl-, polyisobutylene derivs.

| | |
|----------------|----------------|
| Biodegradation | 20,7 % 28 days |
|----------------|----------------|

Reaction mass of 1,5-dimethyl glutarate, 1,6-dimethyl adipate and 1,4-dimethyl succinate

| | |
|-------------------------------|------------------------|
| Persistence and degradability | Readily biodegradable. |
|-------------------------------|------------------------|

xylene (mixture) (1330-20-7)

| | |
|-------------------------------|------------------------|
| Persistence and degradability | Readily biodegradable. |
|-------------------------------|------------------------|

Ethylbenzene (100-41-4)

| | |
|-------------------------------|------------------------|
| Persistence and degradability | Readily biodegradable. |
|-------------------------------|------------------------|

Toluene (108-88-3)

| | |
|-------------------------------|------------------------|
| Persistence and degradability | Readily biodegradable. |
|-------------------------------|------------------------|

oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1) (34140-91-5)

| | |
|----------------|--------------|
| Biodegradation | 61 % 28 days |
|----------------|--------------|

12.3. Bioaccumulative potential

xylene (mixture) (1330-20-7)

| | |
|---------------------------|---------------------|
| Log Pow | 2,77 - 3,15 |
| Bioaccumulative potential | not bioaccumulable. |

Ethylbenzene (100-41-4)

| | |
|---------|-----|
| Log Pow | 3,5 |
|---------|-----|

Toluene (108-88-3)

| | |
|-------------------------------------|---------------------|
| Bioconcentration factor (BCF REACH) | 90 |
| Log Pow | 2,65 |
| Bioaccumulative potential | not bioaccumulable. |

oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine (2:1) (34140-91-5)

| | |
|-------------------------------------|-------|
| Bioconcentration factor (BCF REACH) | 70,8 |
| Log Kow | 32,91 |

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12.4. Mobility in soil

Reaction mass of 1,5-dimethyl glutarate, 1,6-dimethyl adipate and 1,4-dimethyl succinate

Ecology - soil insoluble in water.

xylene (mixture) (1330-20-7)

Ecology - soil insoluble in water. Floats on water.

Ethylbenzene (100-41-4)

Ecology - soil insoluble in water.

Toluene (108-88-3)

Surface tension 0,0242 mN/m 20°C

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Sewage disposal recommendations : Do not discharge into drains or the environment.





Product/Packaging disposal recommendations : Collect all waste in suitable and labelled containers and dispose according to local legislation.

Additional information : Empty the packaging completely prior to disposal. Do not re-use empty containers.

Ecology - waste materials : Do not discharge the product into the environment.

SECTION 14: Transport information

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

| ADR | IMDG | IATA | RID |
|--|---|---|---|
| 14.1. UN number | | | |
| 1993 | 1993 | 1993 | 1993 |
| 14.2. UN proper shipping name | | | |
| FLAMMABLE LIQUID, N.O.S. | FLAMMABLE LIQUID, N.O.S. | Flammable liquid, n.o.s. | FLAMMABLE LIQUID, N.O.S. |
| Transport document description | | | |
| UN 1993 FLAMMABLE LIQUID, N.O.S. (CONTAINS ; xylene (mixture) ; Ethylbenzene), 3, III, (D/E) | UN 1993 FLAMMABLE LIQUID, N.O.S., 3, III | UN 1993 Flammable liquid, n.o.s., 3, III | UN 1993 FLAMMABLE LIQUID, N.O.S., 3, III |
| 14.3. Transport hazard class(es) | | | |
| 3 | 3 | 3 | 3 |
|  |  |  |  |
| 14.4. Packing group | | | |
| III | III | III | III |
| 14.5. Environmental hazards | | | |
| Dangerous for the environment : No | Dangerous for the environment : No Marine pollutant : No | Dangerous for the environment : No | Dangerous for the environment : No |

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No supplementary information available

14.6. Special precautions for user

Overland transport

| | |
|---|---------------------------|
| Classification code (ADR) | : F1 |
| Special provisions (ADR) | : 274, 601 |
| Limited quantities (ADR) | : 5I |
| Excepted quantities (ADR) | : E1 |
| Packing instructions (ADR) | : P001, IBC03, LP01, R001 |
| Mixed packing provisions (ADR) | : MP19 |
| Portable tank and bulk container instructions (ADR) | : T4 |
| Portable tank and bulk container special provisions (ADR) | : TP1, TP29 |
| Tank code (ADR) | : LGBF |
| Vehicle for tank carriage | : FL |
| Transport category (ADR) | : 3 |
| Special provisions for carriage - Packages (ADR) | : V12 |
| Special provisions for carriage - Operation (ADR) | : S2 |
| Hazard identification number (Kemler No.) | : 30 |
| Orange plates | : |



| | |
|-------------------------------|--------|
| Tunnel restriction code (ADR) | : D/E |
| EAC code | : •3YE |

Transport by sea

| | |
|---------------------------------|-----------------|
| Special provisions (IMDG) | : 223, 274, 955 |
| Packing instructions (IMDG) | : P001, LP01 |
| IBC packing instructions (IMDG) | : IBC03 |
| Tank instructions (IMDG) | : T4 |
| Tank special provisions (IMDG) | : TP1, TP29 |
| EmS-No. (Fire) | : F-E |
| EmS-No. (Spillage) | : S-E |
| Stowage category (IMDG) | : A |

Air transport

| | |
|--|--------|
| PCA Excepted quantities (IATA) | : E1 |
| PCA Limited quantities (IATA) | : Y344 |
| PCA limited quantity max net quantity (IATA) | : 10L |
| PCA packing instructions (IATA) | : 355 |
| PCA max net quantity (IATA) | : 60L |
| CAO packing instructions (IATA) | : 366 |
| CAO max net quantity (IATA) | : 220L |
| Special provisions (IATA) | : A3 |
| ERG code (IATA) | : 3L |

Rail transport

| | |
|---|---------------------------|
| Classification code (RID) | : F1 |
| Special provisions (RID) | : 274, 601 |
| Limited quantities (RID) | : 5L |
| Excepted quantities (RID) | : E1 |
| Packing instructions (RID) | : P001, IBC03, LP01, R001 |
| Mixed packing provisions (RID) | : MP19 |
| Portable tank and bulk container instructions (RID) | : T4 |
| Portable tank and bulk container special provisions (RID) | : TP1, TP29 |
| Tank codes for RID tanks (RID) | : LGBF |
| Transport category (RID) | : 3 |
| Special provisions for carriage – Packages (RID) | : W12 |

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Colis express (express parcels) (RID) : CE4
Hazard identification number (RID) : 30

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

| Detergent Regulation : Labelling of contents: | |
|--|-------|
| Component | % |
| aromatic hydrocarbons | >=30% |
| aliphatic hydrocarbons, amphoteric surfactants | <5% |

Directive 2012/18/EU (SEVESO III)

15.1.2. National regulations

France

Occupational diseases : RG 4 BIS - Affections gastro-intestinales provoquées par le benzène, le toluène, les xylènes et tous les produits en renfermant
RG 84 - Affections engendrées par les solvants organiques liquides à usage professionnel

Germany

Reference to AwSV : Water hazard class (WGK) 3, severe hazard to waters (Classification according to AwSV, Annex 1)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : xylene (mixture), Toluene are listed

Denmark

Class for fire hazard : Class II-1

Store unit : 5 liter

Classification remarks : R10 <H226;H304;H312;H315;H319;H332;H335;H373;H412>; Emergency management guidelines for the storage of flammable liquids must be followed

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product
Pregnant/breastfeeding women working with the product must not be in direct contact with the product
The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

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) | Acute toxicity (inhal.), 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 |

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| | |
|-------------------|--|
| 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. 2 | Flammable liquids, Category 2 |
| Flam. Liq. 3 | Flammable liquids, Category 3 |
| Flam. Sol. 2 | Flammable solids, Category 2 |
| Repr. 2 | Reproductive toxicity, Category 2 |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| STOT RE 2 | Specific target organ toxicity — Repeated exposure, 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 |
| H225 | Highly flammable liquid and vapour. |
| H226 | Flammable liquid and vapour. |
| H228 | Flammable solid. |
| 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. |
| H361d | Suspected of damaging the unborn child. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| 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. |

SDS EU (REACH Annex II)

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