



Zingasolv

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of issue: 2019/11/05

Version: 01.00

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

1.1. Product identifier

| | |
|-----------------------|------------------------------------|
| Product form | : Substances (UVCB) |
| Trade name | : Zingasolv |
| EC-No. | : 918-668-5 |
| REACH registration No | : 01-2119455851-35 |
| Product code | : 308/ZSOL |
| Type of product | : Petroleum and petroleum products |
| Synonyms | : Aromatic hydrocarbon C9 |
| Product group | : Trade product |

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

1.2.1. Relevant identified uses

| | |
|----------------------------------|---|
| Industrial/Professional use spec | : Industrial For professional use only |
| Function or use category | : Solvents |

1.2.2. Uses advised against

| | |
|---------------------|---|
| Restrictions on use | : Any other intended applications should be discussed with the manufacturer |
|---------------------|---|

1.3. Details of the supplier of the safety data sheet

Zingametall Bvba
Rozenstraat 4, Industriepark
B- 9810 Eke

Tel.: +32 (0)9 385 68 81
Fax.: +32 (0) 9 385 58 69
E-mail: zingametall@zinga.be
Mr. Bruno Saverys

1.4. Emergency telephone number

| | |
|------------------|--|
| Emergency number | : +32 (0) 70 245 245 Anti-poison Center |
|------------------|--|

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

| | |
|--|------|
| Flammable liquids, Category 3 | H226 |
| Specific target organ toxicity — Single exposure, Category 3, Narcosis | H336 |
| Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation | H335 |
| Aspiration hazard, Category 1 | H304 |
| Hazardous to the aquatic environment — Chronic Hazard, Category 2 | H411 |

Full text of H-statements see section 16.

Adverse physicochemical, human health and environmental effects

Flammable liquid and vapour. May be fatal if swallowed and enters airways. May cause respiratory irritation. May cause drowsiness or dizziness.
Toxic to aquatic life with long lasting effects.

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2.2. Label elements

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

Hazard pictograms (CLP)



GHS02

GHS07

GHS08

GHS09

Signal word (CLP)

: Danger

Hazard statements (CLP)

: H226 - Flammable liquid and vapour.
H304 - May be fatal if swallowed and enters airways.
H335 - May cause respiratory irritation.
H336 - May cause drowsiness or dizziness.
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP)

: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273 - Avoid release to the environment.
P280 - Wear protective clothing, eye protection, face protection, protective gloves.
P301+P330+P331+P310 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Immediately call a doctor.
P391 - Collect spillage.
P501 - Dispose of contents and container to National regulations, Regional legislation.

EUH-statements

: EUH066 - Repeated exposure may cause skin dryness or cracking.

UFI

: FS00-PORK-100R-S974

2.3. Other hazards

Other hazards not contributing to the classification

: If spilled, may cause the floor to be slippery.

SECTION 3: Composition/information on ingredients

3.1. Substances

Comments

: Contains :
<0,1% Benzene

Substance type

: UVCB

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|---|-------|--|
| Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified | (EC-No.) 918-668-5 (REACH-no) 01-2119455851-35 | ≈ 100 | Flam. Liq. 3, H226 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 |

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

First-aid measures general

: Remove contaminated clothes. If you feel unwell, seek medical advice (show the label where possible). It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Never give anything by mouth to an unconscious person.

First-aid measures after inhalation

: Immediately consult a doctor/medical service. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Allow the victim to rest. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Give oxygen or artificial respiration if necessary. Users of breathing apparatus must be trained. Loosen tight clothing such as a collar, tie, belt or waistband.

First-aid measures after skin contact

: Wash immediately with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash contaminated clothing before reuse. Repeated exposure may cause skin dryness or cracking.

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. Take victim to a doctor/medical service if irritation persists.

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- | | |
|------------------------------------|--|
| First-aid measures after ingestion | : Immediately consult a doctor/medical service. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Aspiration hazard. If vomiting occurs, keep head lower than hips to prevent aspiration. If unconscious, place in the recovery position and seek medical advice. Loosen tight clothing such as a collar, tie, belt or waistband. |
|------------------------------------|--|

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

- | | |
|-------------------------------------|---|
| Symptoms/effects | : The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. May result in aspiration into the lungs, causing chemical pneumonia. Depression of the central nervous system. |
| Symptoms/effects after inhalation | : May cause drowsiness or dizziness. Headache. Fatigue. May cause respiratory irritation. |
| Symptoms/effects after skin contact | : Redness. Prolonged or repeated contact may cause skin to become dry or cracked. |
| Symptoms/effects after eye contact | : Direct contact with the eyes is likely to be irritating. |
| Symptoms/effects after ingestion | : Ingestion may cause nausea and vomiting. May be fatal if swallowed and enters airways. Risk of aspiration pneumonia. |

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

Treat according to symptoms (decontamination, vital functions), no known specific antidote. Doctor: gastric lavage. Charcoal.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- | | |
|--------------------------------|---|
| Suitable extinguishing media | : Foam. Dry powder. Carbon dioxide. Sand/earth. |
| 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. Pressurised container: May burst if heated. Combustible liquid. Hazardous vapours may be released. |
| Explosion hazard | : In use, may form flammable/explosive vapour-air mixture. Take precautionary measures against static discharge. |
| Reactivity in case of fire | : Evolution of fumes. On burning: release of harmful gases/vapours. |
| Hazardous decomposition products in case of fire | : Carbon dioxide. Carbon monoxide. fume. |

5.3. Advice for firefighters

- | | |
|--------------------------------|--|
| Precautionary measures fire | : Approach from upwind. Avoid contact with skin and eyes. Do not breathe gas/vapour/aerosol. |
| Firefighting instructions | : Cool tanks/drums with water spray/remove them into safety. Evacuate personnel to a safe area. Take account of environmentally hazardous firefighting water. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. |
| Protection during firefighting | : Appropriate self-contained breathing apparatus may be required. Fire-resistant protective clothing. Do not enter fire area without proper protective equipment, including respiratory protection. |
| Other information | : Avoid release to the environment. Refer to special instructions/safety data sheets. The degree of risk is governed by the burning substance and the fire conditions. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- | | |
|------------------|---|
| General measures | : Avoid all eye and skin contact and do not breathe vapour and mist. Do not inhale vapour. Do not touch or walk on the spilled product. May be dangerously slippery if spilled. Evacuate personnel to a safe area. Explosive vapour/air mixtures may be formed. Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking. |
|------------------|---|

6.1.1. For non-emergency personnel

- | | |
|----------------------|--|
| Protective equipment | : For further information refer to section 8: "Exposure controls/personal protection". |
| Emergency procedures | : Evacuate unnecessary personnel. |

6.1.2. For emergency responders

- | | |
|----------------------|--|
| Protective equipment | : For further information refer to section 8: "Exposure controls/personal protection". |
| Emergency procedures | : Ventilate area. |

6.2. Environmental precautions

Avoid release to the environment. 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 | : Clean up any spills as soon as possible, using an absorbent material to collect it. |
| Methods for cleaning up | : Absorb spillage to prevent material damage. Contain and collect spillages with non-combustible absorbent materials, e.g sand, earth, vermiculite, diatomaceous earth . Shovel or sweep up and put in a closed container for disposal. This material and its container must be disposed of in a safe way, and as per local legislation. Store away from other materials. |
| Other information | : May be dangerously slippery if spilled. |

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6.4. Reference to other sections

Reference to other sections (8, 13). Information regarding safe handling, see section 7.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : In use, may form flammable vapour-air mixture. Heating can release hazardous gases. Do not handle until all safety precautions have been read and understood.
- Precautions for safe handling : Avoid contact with skin and eyes. Do not breathe gas, fumes, vapour or spray. Use only outdoors or in a well-ventilated area. Handle empty containers with care because residual vapours are flammable. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid release to the environment. Refer to special instructions/safety data sheets.
- Hygiene measures : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Do not eat, drink or smoke when using this product. Take off immediately all contaminated clothing and wash it before reuse. Separate working clothes from town clothes. Launder separately. Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Ensure adequate air ventilation.
- Storage conditions : Store in tightly closed, properly ventilated containers away from heat, sparks, open flame, strong oxidizers, radiations, and other initiators. Ground/bond container and receiving equipment. Protect against frost. Store locked up.
- Incompatible products : Keep away from: strong acids, strong bases and oxidising compounds, water, reductor agents.
- Heat and ignition sources : No flames, no sparks. Eliminate all sources of ignition.
- Information on mixed storage : Segregate from foodstuffs.
- Storage area : Keep out of direct sunlight. Keep in a cool, well-ventilated place. Protect against frost.

7.3. Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| Zingasolv | | |
|-----------|--------------------------------|---|
| EU | IOELV TWA (mg/m ³) | 100 mg/m ³ EU HSPA (GW)_ aromatic solvents 160-185 |

| Zingasolv | |
|--|-----------------------|
| DNEL/DMEL (additional information) | |
| (Workers) long term -, Inhalation | 150 mg/m ³ |
| (Workers) long term -, Dermal | 25 mg/kg bw /d |
| (General population) long term -, Inhalation | 32 mg/m ³ |
| (General population) long term -, Dermal | 11 mg/kg bw /d |
| (General population) long term -, oral | 11 mg/kg bw /d |

8.2. Exposure controls

Appropriate engineering controls:

Provide adequate ventilation to minimize dust concentrations. European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents). European Standard EN 482 (Workplace atmospheres – General requirements for the performance of procedures for the measurement of chemical agents).

Personal protective equipment:

Gas mask. Face shield. Gloves. protective clothing.

Hand protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) and other. Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing

Eye protection:

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Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles

Skin and body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust)

Respiratory protection:

Wear appropriate mask. High gas/vapour concentration: gas mask. Recommended: Combined filter ABEK or AXBEK.

| Device | Filter type | Condition | Standard |
|---|-------------|--|--|
| Gas mask | ABEK | Vapour protection, Protection for Liquid particles | EN 136, EN 140, EN 405, EN 145, EN 143, EN 149 |
| Self-contained breathing apparatus (SCBA) | | At high concentrations: | |



Thermal hazard protection:

Fully enclosed impervious protective suit with integral or tight-fitting gloves, boots, self-contained or supplied air respirator must be worn.

Other information:

Avoid all eyes and skin contact and do not breathe vapour and mist. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|--|
| Physical state | : Liquid |
| Appearance | : clear. |
| Colour | : Colourless. |
| Odour | : aromatic. |
| Odour threshold | : Not determined since harmful by inhalation |
| pH | : Not applicable |
| Relative evaporation rate (butylacetate=1) | : < 1 |
| Melting point | : Not applicable |
| Freezing point | : Not applicable |
| Boiling point | : 140 - 200 °C |
| Flash point | : > 35 °C |
| Auto-ignition temperature | : > 400 °C |
| Decomposition temperature | : Not determined |
| Flammability (solid, gas) | : Highly flammable liquid and vapour. |
| Vapour pressure | : < 0,1 kPa |
| Relative vapour density at 20 °C | : > 1 |
| Relative density | : 0,801 - 0,951 @15°C |
| Solubility | : Insoluble in water. |
| Log Pow | : < 4,5 |
| Viscosity, kinematic | : < 1 mm²/s @20°C |
| Viscosity, dynamic | : Not determined |
| Explosive properties | : Not determined. |
| Oxidising properties | : Not determined. |
| Explosive limits | : Not determined |

9.2. Other information

| | |
|------------------|--|
| Bulk density | : 800 kg/m³ |
| Other properties | : Vapours are heavier than air and may spread along floors. Molecular weight : |

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Additional information : No further information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

None under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Flammable vapour/air mixtures may be formed.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Thermal decomposition generates : fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

| Zingasolv | |
|----------------------------|--|
| LD50 oral rat | 3492 mg/kg (OECD 401 method) |
| LD50 dermal rat | 3160 mg/kg (OECD 402 method) |
| LC50 inhalation rat (mg/l) | > 6193 mg/m ³ (OECD 403 method) |

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)
pH: Not applicable

Additional information : Repeated exposure may cause skin dryness or cracking.

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

Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)

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

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

STOT-single exposure : May cause drowsiness or dizziness. May cause respiratory irritation.

STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

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

| Zingasolv | |
|----------------------|------------------------------|
| Viscosity, kinematic | < 1 mm ² /s @20°C |

Potential adverse human health effects and symptoms : May be fatal if swallowed and enters airways. May cause respiratory irritation. May cause drowsiness or dizziness.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Avoid release to the environment.

Ecology - air : The substance is not listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

Ecology - water : Toxic to aquatic life with long lasting effects.

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

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

Additional information : No further information available.

| Zingasolv | |
|----------------|--|
| LC50 fish 1 | 9,2 mg/l Oncorhynchus mykiss (Rainbow trout) |
| EC50 Daphnia 1 | 3,2 mg/l |

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|------------------------|-----------------------------------|
| EC50 72h algae (1) | 2,9 mg/l |
| NOEC (chronic) | 2,14 mg/l |
| NOEC chronic fish | 1,23 mg/l |
| Additional information | No further information available. |

12.2. Persistence and degradability

| Zingasolv | |
|-------------------------------|-------------------------|
| Persistence and degradability | Readily biodegradable. |
| Biodegradation | 78 % (OECD 301F method) |

12.3. Bioaccumulative potential

| Zingasolv | |
|---------------------------|------------------|
| Log Pow | < 4,5 |
| Bioaccumulative potential | Not established. |

12.4. Mobility in soil

| Zingasolv | |
|----------------|---------------------|
| Ecology - soil | Insoluble in water. |

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Other adverse effects : No further information available.
 Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Collect all waste in suitable and labelled containers and dispose according to local legislation.
 Waste treatment methods : Must be disposed of or incinerated in accordance with local regulations.
 Sewage disposal recommendations : Do not discharge into drains or the environment.
 Product/Packaging disposal recommendations : Packs that cannot be cleaned should be disposed of in the same manner as the contents. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals.
 Additional information : Handle empty containers with care because residual vapours are flammable. This material and its container must be disposed of in a safe way, and as per local legislation.
 Ecology - waste materials : Avoid release to the environment. Hazardous waste due to toxicity.

SECTION 14: Transport information

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






| ADR | IMDG | IATA | ADN | RID |
|--|---|--|--|--|
| 14.1. UN number | | | | |
| 1268 | 1268 | 1268 | 1268 | 1268 |
| 14.2. UN proper shipping name | | | | |
| PETROLEUM DISTILLATES, N.O.S. / PETROLEUM PRODUCTS, N.O.S. | PETROLEUM DISTILLATES, N.O.S. | Petroleum distillates, n.o.s. | PETROLEUM DISTILLATES, N.O.S. | PETROLEUM DISTILLATES, N.O.S. |
| Transport document description | | | | |
| UN 1268 PETROLEUM DISTILLATES, N.O.S. / PETROLEUM PRODUCTS, N.O.S., 3, III, (D/E), ENVIRONMENTALLY HAZARDOUS | UN 1268 PETROLEUM DISTILLATES, N.O.S., 3, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS | UN 1268 Petroleum distillates, n.o.s., 3, III, ENVIRONMENTALLY HAZARDOUS | UN 1268 PETROLEUM DISTILLATES, N.O.S., 3, III, ENVIRONMENTALLY HAZARDOUS | UN 1268 PETROLEUM DISTILLATES, N.O.S., 3, III, ENVIRONMENTALLY HAZARDOUS |
| 14.3. Transport hazard class(es) | | | | |
| 3 | 3 | 3 | 3 | 3 |

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| ADR | IMDG | IATA | ADN | RID |
|---|---|---|--|---|
|  |  |  |  |  |
| 14.4. Packing group | | | | |
| III | III | III | III | III |
| 14.5. Environmental hazards | | | | |
| Dangerous for the environment : Yes | Dangerous for the environment : Yes Marine pollutant : Yes | Dangerous for the environment : Yes | Dangerous for the environment : Yes | Dangerous for the environment : Yes |
| No supplementary information available | | | | |

14.6. Special precautions for user

- Overland transport

| | |
|---|---|
| Classification code (ADR) | : F1 |
| Special provisions (ADR) | : 664 |
| 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

- Transport by sea

| | |
|------------------------------------|--------------------------|
| Special provisions (IMDG) | : 223, 955 |
| Limited quantities (IMDG) | : 5 L |
| Excepted quantities (IMDG) | : E1 |
| 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 |
| Properties and observations (IMDG) | : Immiscible with water. |

- 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 |

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CAO max net quantity (IATA) : 220L
Special provisions (IATA) : A3
ERG code (IATA) : 3L

- Inland waterway transport

Classification code (ADN) : F1
Limited quantities (ADN) : 5 L
Excepted quantities (ADN) : E1
Carriage permitted (ADN) : T
Equipment required (ADN) : PP, EX, A
Ventilation (ADN) : VE01
Number of blue cones/lights (ADN) : 0

- Rail transport

Classification code (RID) : F1
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
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

No REACH Annex XVII restrictions

Zingasolv is not on the REACH Candidate List

Zingasolv is not on the REACH Annex XIV List

Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified is not subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Other information, restriction and prohibition regulations : No further information available. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product.

15.1.2. National regulations

Users should ensure that they comply with any relevant local, provincial or national legislation.

15.2. Chemical safety assessment

A chemical safety assessment has been carried out
Available on request

SECTION 16: Other information

Indication of changes:

New Safety Data Sheet.

Abbreviations and acronyms:

| | |
|-----|---|
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |

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| | |
|-------|---|
| ATE | Acute Toxicity Estimate |
| BCF | Bioconcentration factor |
| CLP | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 |
| DMEL | Derived Minimal Effect level |
| DNEL | Derived-No Effect Level |
| DPD | Dangerous Preparations Directive 1999/45/EC |
| DSD | Dangerous Substances Directive 67/548/EEC |
| IARC | International Agency for Research on Cancer |
| EC50 | Median effective concentration |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| LC50 | Median lethal concentration |
| LD50 | Median lethal dose |
| LOAEL | Lowest Observed Adverse Effect Level |
| NOAEC | No-Observed Adverse Effect Concentration |
| NOAEL | No-Observed Adverse Effect Level |
| NOEC | No-Observed Effect Concentration |
| OECD | Organisation for Economic Co-operation and Development |
| PBT | Persistent Bioaccumulative Toxic |
| PNEC | Predicted No-Effect Concentration |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS | Safety Data Sheet |
| STP | Sewage treatment plant |
| TLM | Median Tolerance Limit |
| vPvB | Very Persistent and Very Bioaccumulative |

Data sources : Manufacturer/Supplier. Authoring: Quick.MSDS Sprl - Belgium info@quickmsds.de +32 (0) 479 469 465.

Training advice : Do not handle until all safety precautions have been read and understood. Obtain special instructions before use.

Other information : No further information available.

Full text of H- and EUH-statements:

| | |
|-------------------|--|
| Aquatic Chronic 2 | Hazardous to the aquatic environment — Chronic Hazard, Category 2 |
| Asp. Tox. 1 | Aspiration hazard, Category 1 |
| Flam. Liq. 3 | Flammable liquids, Category 3 |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Narcosis |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |
| H226 | Flammable liquid and vapour. |
| H304 | May be fatal if swallowed and enters airways. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H411 | Toxic to aquatic life with long lasting effects. |
| EUH066 | Repeated exposure may cause skin dryness or cracking. |

MSDS EU (REACH Annex II)_JBO

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.