Zingasolv

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Date of issue: 20/03/2018 Revision date: 20/03/2018 Supersedes: 28/09/2017 Version: 06.0

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

1.1. Product identifier

Trade name	:	Zingasolv
CAS No.	:	64742-95-6
EC Number	:	918-668-5
EINECS No.	:	265-199-0
REACH Registration No.	:	01-2119455851-35-XXXX

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

1.2.1. Relevant identified uses

Main use category	:	Industrial Solvent
Industrial/Professional use spec	:	Paint.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Zingametall Bvba
Rozenstraat 4, Industriepark
9810 Eke
Belgium
Tel.: +32 (0)9 385 68 81
Fax.: +32 (0) 9 385 58 69

E-mail: zingametall@zinga.be

1.4. Emergency telephone number

Emergency number	:	+32 (0) 70 245 245

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Hazard Class & Category	Hazard statement
Physical hazards Flam. Liq. 3 -	H226
Health hazards STOT SE 3 -	H335, H336 Asp. Tox. 1 - H304
Environmental hazards	Aquatic Chronic 2 - H411

2.2. Label elements

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

Hazard pictograms (CLP) :

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/sparks/open flames/hot surfaces. - No smoking.
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/ doctor.
P331 Do NOT induce vomiting.
P501 Dispose of contents/ container in accordance with national regulations..

Supplemental label information
EUH066: Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

Other Hazards	:	This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.1. Substances

Material Formal Name	:	Hydrocarbons, C9, aromatics
Reach Registration Number	:	01-2119455851-35-XXXX
EC Number	:	918-668-5
Composition comments		Contains <0.1% Benzene

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	:	Remove person to fresh air and keep comfortable for breathing. Get medical attention.
Ingestion	:	Rinse mouth thoroughly with water. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention immediately.
Skin contact	:	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.
Eye contact	:	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if symptoms are severe or persist after washing.

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

Inhalation	:	Vapours may cause headache, fatigue, dizziness and nausea. May cause respiratory irritation.
Ingestion	:	Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.
Skin contact	:	Repeated exposure may cause skin dryness or cracking.
Eye contact	:	May cause temporary eye irritation.

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

Notes for the doctor: treat symptomatically

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	:	Extinguish with foam, carbon dioxide, dry powder or water fog.
Unsuitable extinguishing media	:	Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards	:	Flammable liquid and vapour. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. Vapours may form explosive mixtures with air. Fire-water run-off in sewers may create fire or explosion hazard. Toxic to aquatic life with long lasting effects. Containers can burst violently or explode when heated, due to excessive pressure build-up.

5.3. Advice for firefighters

Protective actions during firefighting	:	Containers close to fire should be removed or cooled with water. Avoid the spillage or runoff entering drains, sewers or watercourses. Contain and collect extinguishing water.
Special protective equipment for firefighters	:	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions:
No smoking, sparks, flames or other sources of ignition near spillage. Avoid the spillage or runoff entering drains, sewers or watercourses. Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. Wear protective clothing as described in Section 8 of this safety data sheet. Use only non-sparking tools. Ground/bond container and receiving equipment.

6.2. Environmental precautions

Environmental precautions:
Do not discharge into drains or watercourses or onto the ground. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : No smoking, sparks, flames or other sources of ignition near spillage. Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely. Use only non-sparking tools. Use explosionproof electrical equipment.

6.4 Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions:
Provide adequate ventilation. Avoid heat, flames and other sources of ignition. Avoid inhalation of vapours/spray and contact with skin and eyes. Use only non-sparking tools. Earth container and transfer equipment to eliminate sparks from static electricity. Use explosion-proof electrical, ventilating and lighting equipment.

Advice on general occupational hygiene:
Provide eyewash station and safety shower. Do not eat, drink or smoke when using this product. Wash after use and before eating, smoking and using the toilet. Remove contaminated clothing and protective equipment before entering eating areas.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions:
Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Ground/bond container and receiving equipment. Avoid contact with oxidising agents. Avoid exposure to high temperatures or direct sunlight.

Storage class:
Flammable liquid storage

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

100 mg/m3, 19 ppm, TWA Manuf. Data

DNEL Industry - Dermal; : 25 mg/kg/day
Industry - Inhalation; : 150 mg/m³
Consumer - Dermal; : 11 mg/kg/day
Consumer - Inhalation; : 32 mg/m³
Consumer - Oral; : 11 mg/kg/day

8.2. Exposure controls

Protective Equipment :

Appropriate Engineering Controls : Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients. Use explosion-proof electrical, ventilating and lighting equipment. Provide eyewash station and safety shower.

Eye/face protection : Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Chemical splash goggles. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection : It is recommended that chemical-resistant, impervious gloves are worn. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. It is recommended that gloves are made of the following material: Nitrile rubber. Viton rubber (fluoro rubber). The selected gloves should have a breakthrough time of at least 8 hours. To protect hands from chemicals, gloves should comply with European Standard EN374.

Other skin and body protection : Wear suitable protective clothing as protection against splashing or contamination. For the greatest protection, clothing should include anti-static overalls, boots and gloves.

Hygiene measures : When using do not eat, drink or smoke. Wash after use and before eating, smoking and using the toilet. Remove contaminated clothing and protective equipment before entering eating areas.

Respiratory protection : If ventilation is inadequate, suitable respiratory protection must be worn. Gas filter, type A2. EN 136/140/141/145/143/149

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	:	Clear liquid
Colour	:	Colourless.
Odour	:	Aromatic.
Odour treshold	:	No information available
pH	:	No information available
Melting point	:	No information available
Initial boiling point and range		140 – 200°C
Flash point	:	>35°C
Evaporation rate	:	< 1 (butyl acetate = 1)
Evaporation factor	:	No information available
Flammability (solid, gas)	:	No information available
Upper/lower flammability or explosive limits	:	No information available
Other flammability	:	No information available
Vapour pressure	:	<0.1 kPa
Vapour density	:	>1
Relative density	:	0.801 - 0.951 @ 15°C
Bulk density	:	800 kg/m³
Solubility(ies)	:	Insoluble in water.
Partition coefficient	:	log Pow: < 4.5
Auto-ignition temperature	:	No information available
Explosive under the influence of a flame	:	No information available
Oxidising properties	:	No information available

9.2. Other information

Other information	:	No other information available
Molecular weight	:	125

SECTION 10: Stability and reactivity

10.1. Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Not determined.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid: strong oxidizing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products: Does not decompose when used and stored as recommended. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	3,492.0
Species	Rat
Notes (oral LD_{50})	OECD 401
ATE oral (mg/kg)	3,492.0

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	3,160.0
Species	Rabbit
Notes (dermal LD_{50})	OECD 402
ATE dermal (mg/kg)	3,160.0

Acute toxicity - inhalation

Notes (inhalation LC_{50}) LD_{50} >6193 mg/m³, Inhalation, Rat OECD 403

Skin corrosion/irritation

Animal data Causes mild skin irritation.

Serious eye damage/irritation

Serious eye damage/irritation Slightly irritating. May cause temporary eye irritation.

Respiratory sensitisation

Respiratory sensitisation No information available.

Skin sensitisation

Skin sensitisation Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro This substance has no evidence of mutagenic properties.

Carcinogenicity

Carcinogenicity No information available.

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

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

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard May be fatal if swallowed and enters airways.

General information Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

Inhalation May cause respiratory irritation. May cause drowsiness or dizziness.

Ingestion Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

Skin contact Repeated exposure may cause skin dryness or cracking.

Eye contact May cause temporary eye irritation.

SECTION 12: Ecological information

Ecotoxicity : Toxic to aquatic life with long lasting effects.

12.1. Toxicity

Acute Toxicity

Fish	:	LC_{50}, 96 hours: 9.2 mg/l, Oncorhynchus mykiss (Rainbow trout)
Aquatic inverterbrates	:	EC_{50}, 48 hours: 3.2 mg/l, Daphnia magna
Aquatic plants	:	NOEC, 72 hours: 1 mg/l, Pseudokirchneriella subcapitata

12.2. Persistence and degradability

The product is readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: no information available
Partition coefficient : log Pow: < 4.5

12.4. Mobility in soil

The product is insoluble in water.

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

No information required.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information : Waste is classified as hazardous waste. Flammable liquid and vapour. Do not cut or weld used containers unless they have been thoroughly cleaned internally. Toxic to aquatic life with long lasting effects. Do not discharge into drains or watercourses or onto the ground.

Disposal methods : Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA

14.1. UN number

UN-No : 1263

14.2. UN proper shipping name

Proper Shipping Name : PAINT RELATED MATERIALS

14.3. Transport hazard class(es)

Class (UN) : 3

Hazard labels (UN)

14.4. Packing group

Packing group (UN) : III

14.5. Environmental hazards

Environmental hazards : Yes. Marine Pollutant (SOLVENT NAPHTHA)

14.6. Special precautions for user

Refer to Chapter 7, Handling & Storage, for special precautions which a user needs to be aware of or needs to comply with in connection with transport.

SECTION 15: Regulatory information

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

15.1.1. EU legistlation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
Commission Regulation (EU) No 2015/830 of 28 May 2015. This product may impact SEVESO storage regulations.

15.2. Chemical safety assessment

A chemical safety assessment has been carried out.

Inventories
EU - EINECS/ELINCS
All the ingredients are listed or exempt.
Canada - DSL/NDSL
All the ingredients are listed or exempt.
DSL
US - TSCA
All the ingredients are listed or exempt.
Korea - KECI
All the ingredients are listed or exempt.
China - IECSC
All the ingredients are listed or exempt.
Philippines – PICCS
All the ingredients are listed or exempt.

SECTION 16: Other information

Abbreviations and Acronyms used in the safety data sheet

ATE: Acute Toxicity Estimate.
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
CAS: Chemical Abstracts Service.
DNEL: Derived No Effect Level.
IATA: International Air Transport Association.
IMDG: International Maritime Dangerous Goods.
Kow: Octanol-water partition coefficient.
LC_{50}: Lethal Concentration to 50 % of a test population.
LD_{50}: Lethal Dose to 50% of a test population (Median Lethal Dose).
PBT: Persistent, Bioaccumulative and Toxic substance.
PNEC: Predicted No Effect Concentration.
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation EC) No 1907/2006.
RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.
vPvB: Very Persistent and Very Bioaccumulative.
IARC: International Agency for Research on Cancer.
MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.
cATpE: Converted Acute Toxicity Point Estimate.
BCF: Bioconcentration Factor.
BOD: Biochemical Oxygen Demand.
EC_{50}: 50% of maximal Effective Concentration.
LOAEC: Lowest Observed Adverse Effect Concentration.
LOAEL: Lowest Observed Adverse Effect Level.
NOAEC: No Observed Adverse Effect Concentration.
NOAEL: No Observed Adverse Effect Level.
NOEC: No Observed Effect Concentration.
LOEC: Lowest Observed Effect Concentration.
DMEL: Derived Minimal Effect Level.
EL50: Exposure Limit 50
hPa: Hectopascal
LL50: Lethal Loading fifty
OECD: Organisation for Economic Co-operation and Development
POW: Octanol-water partition coefficient
SCBA: self-contained breathing apparatus
STP: Sewage Treatment Plant
VOC: Volatile Organic Compounds

Classification abbreviations and acronyms
Acute Tox. = Acute toxicity
Aquatic Acute = Hazardous to the aquatic environment (acute)
Aquatic Chronic = Hazardous to the aquatic environment (chronic)

Hazard statements in full 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.

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