



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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : Zinga  
Product code : ZM01

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

##### 1.2.1. Relevant identified uses

Main use category : Industrial use  
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

Pacific Evergreen Industries Ltd.

1480 - 14th Street  
West Vancouver, BC, Canada  
V7T 2S3  
Information Telephone # : 604-926-5564

#### 1.4. Emergency telephone number

24 Hr. Emergency Tel # : 352-323-3500

### SECTION 2: Hazards identification

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

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

STOT SE 3	H336
Asp. Tox. 1	H304
Aquatic Acute 1	H400
Aquatic Chronic 1	H410

Full text of H-phrases: see section 16

##### Classification according to Directive 67/548/EEC or 1999/45/EC

Xn; R65  
N; R50/53  
R67  
R10

Full text of R-phrases: see section 16

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



Signal word (CLP)	: Danger
Hazard statements (CLP)	: H304 - May be fatal if swallowed and enters airways H336 - May cause drowsiness or dizziness H400 - Very toxic to aquatic life H410 - Very toxic to aquatic life with long lasting effects
Precautionary statements (CLP)	: P261 - Avoid breathing gas, spray, vapours P271 - Use only outdoors or in a well-ventilated area

P273 - Avoid release to the environment  
 P301+P310 - IF SWALLOWED: immediately call a POISON CENTER or doctor/physician  
 P304+P340 - IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing  
 P331 - Do NOT induce vomiting  
 P391 - Collect spillage  
 P403+P233 - Store in a well-ventilated place. Keep container tightly closed  
 P405 - Store locked up  
 P501 - Dispose of contents/container to National regulations

EUH phrases : EUH066 - Repeated exposure may cause skin dryness or cracking

### 2.3. Other hazards

Other hazards not contributing to the classification : No dangerous reactions known under normal conditions of use.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Zinc Powder — Zinc Dust (Stabilised)	(CAS No) 7440-66-6 (EC no) 231-175-3 (EC index no) 030-001-01-9	60-80	N; R50/53
Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified	(CAS No) 64742-95-6 (EC no) 918-668-5	15-25	Xn; R65 Xi; R37 N; R51/53 R10 R66 R67

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Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified	(CAS No) 64742-95-6 (EC no) 918-668-5	15-25	STOT SE 3, H335 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

Full text of R- and H-phrases: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : Move to fresh air in case of accidental inhalation of vapours or decomposition products. If you feel unwell, seek medical advice.

First-aid measures after inhalation : Seek immediate medical advice. If inhaled and 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 : Get medical advice and attention if you feel unwell. Wash with plenty of soap and water.

First-aid measures after eye contact : Rinse immediately with plenty of water for 15 minutes. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Do NOT induce vomiting. IF SWALLOWED: Immediately call a POISON CENTER or doctor. Rinse mouth with water.

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

Symptoms/injuries after inhalation : Coughing. Abdominal pain. Nausea. Unconsciousness.

Symptoms/injuries after skin contact : Redness. danger of serious damage to health by prolonged exposure in contact with skin and if swallowed. Prolonged or repeated contact may cause skin to become dry or cracked.

Symptoms/injuries after eye contact : Can occur: eye irritation.

Symptoms/injuries after ingestion : Abdominal pain. Dizziness. Nausea.

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

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide. dry chemical powder. Foam.

Unsuitable extinguishing media : Water.

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

Fire hazard : Flammable.

### 5.3. Advice for firefighters

Protection during firefighting : Fire-resistant protective clothing.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

Protective equipment : For further information refer to section 8 Exposure controls/personal protection".  
Emergency procedures : Extra personal protection: P2 filter respirator for harmful particles.

#### 6.1.2. For emergency responders

Protective equipment : Extra personal protection: complete protective clothing including self-contained breathing apparatus.

### 6.2. Environmental precautions

Do not allow surface water to enter drains and sewers as this will create a potential explosive hazard. If this occurs inform local authorities immediately.

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

For containment : All containers must be labeled to warn against exposure.  
Methods for cleaning up : Contain and collect spillages with non-combustible absorbent materials, e.g sand, earth, vermiculite, diatomaceous earth . sand, earth, vermiculite, diatomaceous earth Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

### 6.4. Reference to other sections

(see section(s) : SECTION 7.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Keep away from sources of ignition - No smoking. Use only in well ventilated areas.

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

Storage conditions : Keep in fireproof place. Store in tightly closed, properly ventilated containers away from heat, sparks, open flame, strong oxidizers, radiations, and other initiators.  
Recommended storage temperature: 5°C < 25°C  
Incompatible products : Keep away from reducing agents/(strong) acids /(strong) bases.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified (64742-95-6)		
EU	IOELV TWA (mg/m <sup>3</sup> )	3,25 mg/m <sup>3</sup> EU OELIII
EU	IOELV TWA (ppm)	1 ppm EU OELIII
Belgium	Limit value (ppm)	(8h) 1 ppm
Belgium	Short time value (mg/m <sup>3</sup> )	(8h) 3,25 mg/m <sup>3</sup>

### 8.2. Exposure controls

Personal protective equipment : ACCIDENTAL RELEASE OF THE COMPONENTS: Avoid breathing dust, mist or spray. Dust/aerosol mask with filter type P2. Avoid breathing dust, mist or spray.



Hand protection : Use protective gloves (Nitrile rubber). The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.  
Eye protection : 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. Safety glasses with side-shields (frame goggles) (e.g. EN 166).  
Skin and body protection : When skin contact is possible, protective clothing including gloves, apron, sleeves, boots, head and face protection must be worn. ISO 13982 (in case of dust). (EN 14605- in case of splash).  
Respiratory protection : Dust production: dust mask with filter type P2.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state	: Solid
Appearance	: Paste.
Colour	: Grey.
Odour	: Aromatic odour.
pH	: Not relevant
Relative evaporation rate (butylacetate=1)	: < 1,0 (ASTM D 3539, nBuAc=1) (Solvent naphtha)
Melting point	: Not relevant
Freezing point	: < 0°C
Boiling point	: 150 - 185 °C (Solvent naphtha)
Flash point	: 40 - 60 °C (IP 170) (Solvent naphtha)
Self ignition temperature	: 507 °C (ASTM E-659) (Solvent naphtha)
Decomposition temperature	: Not applicable
Flammability (solid, gas)	: Yes, in certain circumstances product can ignite due to static electricity. (Solvent naphtha)
Vapour pressure	: 210 - 1.300 Pa at 20 °C (Solvent naphtha)
Relative density	: 2,67
Density	: 2,67 g/cm <sup>3</sup>
Solubility	: Insoluble in water.
Viscosity, dynamic	: 66 CUP DIN 4
Explosive properties	: See explosive limits
Oxidising properties	: Not applicable
Explosive limits	: 0,6 - 7 %(V) (Solvent naphtha)

**9.2. Other information**

VOC content	: 474 g/l EPA Method 24
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**SECTION 10: Stability and reactivity****10.1. Reactivity**

Avoid contact with : neoprene.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

No additional information available

**10.4. Conditions to avoid**

Keep away from reducing agents/(strong) acids /(strong) bases. No flames, No sparks. Eliminate all sources of ignition. Keep away from heat and direct sunlight.

**10.5. Incompatible materials**

No additional information available

**10.6. Hazardous decomposition products**

No additional information available

**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

Acute toxicity	: Not classified
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**Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified (64742-95-6)**

LD50 oral rat	<= 5000 mg/kg
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Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: May cause drowsiness or dizziness.
Specific target organ toxicity (repeated exposure)	: Not classified

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

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : This product contains hazardous components for the environment. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Not readily biodegradable.

Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified (64742-95-6)	
NOEC chronic fish	<= 10 mg/l
NOEC chronic crustacea	<= 10 mg/l

#### 12.2. Persistence and degradability

Zinga	
Persistence and degradability	This material has not been tested.

#### 12.3. Bioaccumulative potential

Zinga	
Bioaccumulative potential	This material has not been tested.

Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified (64742-95-6)	
Bioaccumulative potential	Bioaccumulation: not applicable.

#### 12.4. Mobility in soil

Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified (64742-95-6)	
Ecology - soil	Low mobility (soil).

#### 12.5. Results of PBT and vPvB assessment

Component	
Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified (64742-95-6)	This substance/mixture does not meet the PBT criteria of REACH, annex XIII. This substance/mixture does not meet the vPvB criteria of REACH, annex XIII.

#### 12.6. Other adverse effects

: Avoid release to the environment

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.  
Waste disposal recommendations : Do not discharge into the sewer. Remove waste in accordance with local and/or national regulations.  
Additional information : Do not pierce or burn, even after use.

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA

#### 14.1. UN number

UN-No : 1263  
UN-No.(IATA) : 1263  
UN-No. (IMDG) : 1263

#### 14.2. UN proper shipping name

Proper Shipping Name : PAINT / PAINT RELATED MATERIAL  
Proper Shipping Name (IATA) : PAINT / PAINT RELATED MATERIAL  
Transport document description : UN 1263 PAINT / PAINT RELATED MATERIAL, 3, III, (D/E)

#### 14.3. Transport hazard class(es)

Class (UN) : 3  
Classification code (UN) : F1  
Class (IATA) : 3  
Class (IMDG) : 3

Hazard labels (UN) : 3



Hazard labels (IATA) : 3



#### 14.4. Packing group

Packing group (UN) : III  
Packing group (IATA) : III  
Packing group (IMDG) : III

#### 14.5. Environmental hazards

Dangerous for the environment : Yes  
Marine pollutant : Yes



Other information : No supplementary information available.

#### 14.6. Special precautions for user

##### 14.6.1. Overland transport

Hazard identification number (Kemler No.) : 33  
Classification code (UN) : F1  
Orange plates :



Special provision (ADR) : 163, 640E, 650  
Transport category (ADR) : 3  
Tunnel restriction code : D/E  
Limited quantities (ADR) : 5L  
LQ : LQ06  
Excepted quantities (ADR) : E1

##### 14.6.2. Transport by sea

MFAG-No : 127

##### 14.6.3. Air transport

CAO max net quantity (IATA) : 220L  
PCA Limited quantities (IATA) : Y344  
PCA limited quantity max net quantity (IATA) : 10L  
PCA max net quantity (IATA) : 60L  
PCA Excepted quantities (IATA) : E1  
ERG code (IATA) : 3L

##### 14.6.4. Inland waterway transport

No additional information available

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 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  
Contains no REACH candidate substance

VOC content : 474 g/l EPA Method 24

Seveso Information :

### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Revision date: 05/02/2016

Data sources : Manufacturer/Supplier.  
MSDS: according to EC directive 2001/58/EC and the REACH regulation 1907/2006 Annex II and WHMIS 2015

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.

Full text of R-, H- and EUH-phrases::

Aquatic Acute 1	Hazardous to the aquatic environment — AcuteHazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
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
H304	May be fatal if swallowed and enters airways
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
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
R10	Flammable
R37	Irritating to respiratory system
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R65	Harmful: may cause lung damage if swallowed
R66	Repeated exposure may cause skin dryness or cracking
R67	Vapours may cause drowsiness and dizziness
N	Dangerous for the environment
Xi	Irritant
Xn	Harmful

MSDS 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*