



# Zingaspray

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

Revision date: 05/02/2016

Version: 02.02

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

#### 1.1. Product identifier

Chemical type : Mixture  
Trade name : Zingaspray

#### 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

##### 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]

Flam. Aerosol 1 H222  
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

F+; R12  
Xn; R65  
N; R50/53

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) :



GHS02

GHS08

GHS09

Signal word (CLP) : Danger

Hazard statements (CLP) : H222 - Extremely flammable aerosol  
H304 - May be fatal if swallowed and enters airways  
H410 - Very toxic to aquatic life with long lasting effects

Precautionary statements (CLP) : P201 - Obtain special instructions before use  
P202 - Do not handle until all safety precautions have been read and understood  
P210 - Keep away from hot surfaces, open flames, sparks, heat. - No smoking.  
P251 - Pressurized container: Do not pierce or burn, even after use  
P273 - Avoid release to the environment  
P281 - Use personal protective equipment as required  
P301+P310 - If swallowed, immediately call a doctor.  
P308+P313 - IF exposed or concerned: Get medical advice/attention  
P331 - Do NOT induce vomiting  
P391 - Collect spillage  
P405 - Store locked up  
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F  
P501 - Dispose of contents/container to National regulations.

#### 2.3. Other hazards

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

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### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

| Name  | Product identifier  | %       | Classification according to Directive 67/548/EEC |
|---|---|---------|--|
| Zinc Powder — Zinc Dust (Stabilised)<br>(Component) | (CAS No.) 7440-66-6<br>(EC no) 231-175-3<br>(EC index no) 030-001-01-9  | 35 - 45 | N; R50/53  |
| Solvent naphtha (petroleum), light aromatic         | (CAS No.) 64742-95-6<br>(EC no) 265-199-0<br>(EC index no) 649-356-00-4 | 15 - 25 | Xn; R65  |

| Name  | Product identifier  | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|---------|---|
| Zinc Powder — Zinc Dust (Stabilised)<br>(Component) | (CAS No.) 7440-66-6<br>(EC no) 231-175-3<br>(EC index no) 030-001-01-9  | 35 - 45 | Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                |
| Solvent naphtha (petroleum), light aromatic         | (CAS No.) 64742-95-6<br>(EC no) 265-199-0<br>(EC index no) 649-356-00-4 | 15 - 25 | Asp. Tox. 1, H304   |

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

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : Avoid all eyes and skin contact and do not breathe vapour and mist. Remove contaminated clothes.   |
| First-aid measures after inhalation   | : If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Seek immediate medical advice.  |
| First-aid measures after skin contact | : After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. Immediately consult a doctor/medical service.                                 |
| First-aid measures after eye contact  | : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Immediately consult a doctor/medical service.  |
| First-aid measures after ingestion    | : If swallowed, rinse mouth with water (only if the person is conscious). Get medical advice/attention. Never give anything by mouth to an unconscious person. Immediately consult a doctor/medical service. |

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

|                                      |  |
|--------------------------------------|--|
| Symptoms/injuries after inhalation   | : Dizziness, headaches, nausea. Coughing. Respiratory difficulties.                          |
| Symptoms/injuries after skin contact | : Contact during a long period may cause light irritation.                                   |
| Symptoms/injuries after eye contact  | : Irritating to eyes.  |
| Symptoms/injuries after ingestion    | : Symptoms of ingestion include drowsiness, weakness, headache, dizziness, nausea, vomiting. |

#### 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   | : powder, water spray, foam, carbon dioxide. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.           |

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

|             |                     |
|-------------|---------------------|
| Fire hazard | : Highly flammable. |
| Reactivity  | : Highly flammable. |

#### 5.3. Advice for firefighters

|                             |   |
|-----------------------------|---|
| Precautionary measures fire | : Wear a self contained breathing apparatus. Avoid static electricity discharges. |
| Other information           | : Avoid all eyes and skin contact and do not breathe vapour and mist.             |

### SECTION 6: Accidental release measures

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

|                  |  |
|------------------|--|
| General measures | : Do not inhale vapour. Minimize static sparks/avoid flash fire. Avoid all eyes and skin contact and do not breathe vapour and mist. |
|------------------|--|

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

No additional information available

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### 6.1.2. For emergency responders

No additional information available

### 6.2. Environmental precautions

Not in groundwater, surfacewater or sewerage.

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

Methods for cleaning up : This material and its container must be disposed of in a safe way, and as per local legislation.

### 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed : Combustible. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Precautions for safe handling : If this material is handled in other than in a closed system, approved supplied air respirator operated in a positive pressure mode is recommended. Do not eat, drink or smoke when using this product.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

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

Technical measures : Use grounded electrical/mechanical equipment.

Storage conditions : Protect against frost. Store in original container. Combustible liquid. Protect from heat and direct sunlight. Avoid high temperatures.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

Appropriate engineering controls : If possible with source exhaust and good ventilation.

Personal protective equipment : In case of splash hazard: safety glasses. On heating: gas mask with filter type A. Gloves. Dust/aerosol mask with filter type P1.



Hand protection : chemical resistant PVC gloves (to European standard EN 374 or equivalent).

Eye protection : Use splash goggles when eye contact due to splashing is possible.

Skin and body protection : When skin contact is possible, protective clothing including gloves, apron, sleeves, boots, head and face protection must be worn. Avoid all eyes and skin contact and do not breathe vapour and mist.

Respiratory protection : In case of inadequate ventilation wear respiratory protection.

## SECTION 9: Physical and chemical properties

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

Physical state : Liquid

Appearance : Aerosol.

Colour : Grey.

Odour : aromatic.

pH : Not relevant

Melting point : -141,5 °C (Propellant gas)

Solidification point : Not relevant

Boiling point : 41 °C

Flash point : -41 °C (Propellant gas)

Relat. evapor. rate comp. to butylacetate : < 1,0 (ASTM D 3539, nBuAc=1) (Solvent naphtha)

Flammability (solid, gas) : Yes, in certain circumstances product can ignite due to static electricity. (Solvent naphtha)

Explosive limits : 2,7 – 32 vol. % (Propellant gas)

Vapour pressure : 5,1 bar @ 20°C (Propellant gas)

Relative vapour density at 20 °C : 1,63(Propellant gas)

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|   |   |
|---|---|
| Relative density                              | : 1,18  |
| Relative density of saturated gas/air mixture | : 20°C 1,18   |
| Solubility                                    | : Insoluble in water.                                     |
| Self ignition temperature                     | : 240 °C (Propellant gas)                                 |
| Decomposition temperature                     | : Not applicable  |
| Explosive properties                          | : The propellant gas forms an explosive mixture with air. |
| Oxidising properties                          | : Not applicable  |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Highly flammable.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

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

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

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|  |   |
|--|---|
| Acute toxicity                                     | : Not classified                                |
| Skin corrosion/irritation                          | : Not classified                                |
| Serious eye damage/irritation                      | : Not classified                                |
| Respiratory or skin sensitisation                  | : Not classified                                |
| Reproductive toxicity                              | : Not classified                                |
| Specific target organ toxicity (single exposure)   | : Not classified                                |
| 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 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

#### Zingaspray

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

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.

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Additional information : Comply with local regulations for disposal. Keep in suitable, closed containers for disposal.

### SECTION 14: Transport information

In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

#### 14.1. UN number

UN-No. : 1950

#### 14.2. UN proper shipping name

Proper Shipping Name : AEROSOLS  
Transport document description : UN 1950 AEROSOLS, 2.1, (D)

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

Class (UN) : 2  
Hazard labels (UN) : 2.1



#### 14.4. Packing group

Packing group (UN) : Not applicable

#### 14.5. Environmental hazards

Marine pollutant :

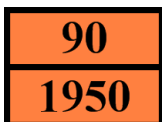


Other information : No supplementary information available.

#### 14.6. Special precautions for user

##### 14.6.1. Overland transport

Hazard identification number (Kemler No.) : 90  
Classification code : 5TF  
Orange plates :



Tunnel restriction code : D  
Limited quantities (ADR) : LQ01  
Excepted quantities (ADR) : E0  
EAC code : 2YE

##### 14.6.2. Transport by sea

MFAG-No. : 126

##### 14.6.3. Air 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 ingredients included in the REACH Candidate list

##### 15.1.2. National regulations

Other Information : 94/69/EC (21st ATP). The benzene content of this product is less than 0.1%. Nota P applies. Classification and labelling as carcinogen (R45) is not required.

#### 15.2. Chemical safety assessment

No additional information available

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### SECTION 16: Other information

Revision date: 05/02/2016

The content and format of this safety data sheet is in accordance with Regulation 1907/2006/EC and WHMIS 2015.

Data sources : Manufacturer/Supplier.

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

|                   |  |
|-------------------|--|
| Aquatic Acute 1   | Hazardous to the aquatic environment - acute hazard Category 1                                   |
| Aquatic Chronic 1 | Hazardous to the aquatic environment - chronic hazard Category 1                                 |
| Asp. Tox. 1       | Aspiration hazard Category 1   |
| Flam. Aerosol 1   | Flammable aerosol Category 1   |
| H222              | Extremely flammable aerosol  |
| H304              | May be fatal if swallowed and enters airways   |
| H400              | Very toxic to aquatic life   |
| H410              | Very toxic to aquatic life with long lasting effects   |
| R50/53            | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R65               | Harmful: may cause lung damage if swallowed.   |

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.*