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Safety Data Sheet

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

1.1. Product identifier

Chemical type : Mixture
Trade name : Seaguard Zinc-spray by ZINGA

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

Supplier: Canada Metal Pacific Ltd.

Address: 7733 Progress Way, Delta, BC Canada V4G 4A3

Phone: 604-940-2010

Fax: 604-952-2650

sales@canmet.com

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]

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. 127:

Hazard pictograms (CLP)



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.

12/05/2015

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) (Component)	(CAS No.) 7440-66-6 (EC no) 231-175-3 (EC index no) 030-001-01-9	35 - 45	N; R50/53
Solvent naphtha (petroleum), light aromatic	(CAS No.) 64742-95-6 (EC no) 265-199-0 (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) (Component)	(CAS No.) 7440-66-6 (EC no) 231-175-3 (EC index no) 030-001-01-9	35 - 45	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Solvent naphtha (petroleum), light aromatic	(CAS No.) 64742-95-6 (EC no) 265-199-0 (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.
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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

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.
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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)
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

: Not classified

Skin corrosion/irritation

Serious eye damage/irritation : Not classified

Respiratory or skin sensitisation : Not classified

: Not classified

Reproductive toxicity

Specific target organ toxicity (single exposure) : Not classified

: Not classified

Specific target organ toxicity (repeated exposure)

: May be fatal if swallowed and enters airways.

Aspiration hazard

SECTION 12: Ecological information

12.1. Toxicity

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.

Additional information

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

SECTION 14: Transport information

In accordance with ADR / RID / ADN / 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.)

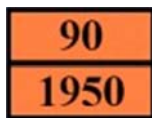
: 90

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

SECTION 16: Other information

Data sources

: Manufacturer/Supplier.

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.

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

Disclaimer: The Safety Data Sheet must be used and followed according to the corresponding actions stated above. All information is given in good faith as authoritative and valid as known to the Company, but because new information may be available, the Company cannot guarantee all relevant information is contained.

The Safety Data Sheet is based on normal usage and actions regarding the subject material. During specialized, unusual or new form of usage, execute further safety measures as necessary prior to handling.

The use of the product in non-conformance with this Safety Data Sheet, or in combination with any other product or process is the responsibility of the user.

Date of Latest Revision: June 27, 2017