

# SAFETY DATA SHEET

## 1. Identification

**Product identifier** ZRC-221 Cold Galvanizing Compound

**Other means of identification**

**Product number** 50002 - 50003

**Recommended use** Corrosion protection of iron and steel.

**Recommended restrictions** None known.

**Manufacturer/Importer/Supplier/Distributor information**

**Supplier/Manufacturer** ZRC Worldwide  
**Address** 145 Enterprise Drive, Marshfield, MA 02050  
**Telephone** 781-319-0400  
**Emergency telephone (CHEMTREC)** 703-527-3887 CCN15781  
**Email** info@zrcworldwide.com

## 2. Hazard identification

|                              |  |                                     |
|------------------------------|--|-------------------------------------|
| <b>Physical hazards</b>      | Flammable liquids  | Category 3                          |
| <b>Health hazards</b>        | Sensitization, skin  | Category 1B                         |
|                              | Specific target organ toxicity following repeated exposure | Category 1 (central nervous system) |
| <b>Environmental hazards</b> | Hazardous to the aquatic environment, acute hazard         | Category 1                          |
|                              | Hazardous to the aquatic environment, long-term hazard     | Category 1                          |

**Label elements**



**Signal word** Danger

**Hazard statement** Flammable liquid and vapour. May cause an allergic skin reaction. Causes damage to organs (central nervous system) through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects.

**Precautionary statement**

**Prevention** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Do not breathe mist/vapours. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

**Response** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. Get medical advice/attention if you feel unwell. In case of fire: Use water fog, foam, dry chemical powder, dry sand, carbon dioxide to extinguish. Collect spillage.

**Storage** Store in a well-ventilated place. Keep cool.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Other hazards** None known.

**Supplemental information** None.

## 3. Composition/information on ingredients

**Mixtures**

| Chemical name                                  | Common name and synonyms | CAS number | %       |
|--|--------------------------|------------|---------|
| Zinc   |                          | 7440-66-6  | 65 - 85 |
| Benzene,<br>1-chloro-4-(trifluoromethyl)-      |                          | 98-56-6    | 5 - 10  |
| Distillates (petroleum),<br>hydrotreated light |                          | 64742-47-8 | 1 - 5   |
| Solvent naphtha (petroleum),<br>medium aliph.  |                          | 64742-88-7 | 1 - 5   |
| Zinc oxide                                     |                          | 1314-13-2  | 1 - 5   |
| Nonane   |                          | 111-84-2   | 0.1 - 1 |

**Composition comments** The exact concentrations of the above listed chemicals are being withheld as a trade secret. All concentrations are in percent by weight unless otherwise indicated. Components not listed are either non-health-hazardous or are below reportable limits.

#### 4. First-aid measures

|   |   |
|---|---|
| <b>Inhalation</b>   | Move to fresh air. Call a physician if symptoms develop or persist.   |
| <b>Skin contact</b>   | Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.  |
| <b>Eye contact</b>  | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.   |
| <b>Ingestion</b>  | Rinse mouth. Get medical attention if symptoms occur.   |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Narcosis. Behavioural changes. Decrease in motor functions. Direct contact with eyes may cause temporary irritation. Mild skin irritation. May cause an allergic skin reaction. Dermatitis. Rash. Prolonged exposure may cause chronic effects.   |
| <b>Indication of immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed. |
| <b>General information</b>  | Take off all contaminated clothing immediately. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.                          |

#### 5. Fire-fighting measures

|  |   |
|--|---|
| <b>Suitable extinguishing media</b>                                  | Water fog. Foam. Dry chemical powder. Dry sand. Carbon dioxide (CO <sub>2</sub> ).  |
| <b>Unsuitable extinguishing media</b>                                | Do not use water jet as an extinguisher, as this will spread the fire.  |
| <b>Specific hazards arising from the chemical</b>                    | Vapours may form explosive mixtures with air. Vapours may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.                |
| <b>Special protective equipment and precautions for firefighters</b> | Self-contained breathing apparatus and full protective clothing must be worn in case of fire.   |
| <b>Fire fighting equipment/instructions</b>                          | In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Cool containers exposed to flames with water until well after the fire is out. |
| <b>Specific methods</b>  | Use standard firefighting procedures and consider the hazards of other involved materials.  |
| <b>General fire hazards</b>  | Flammable liquid and vapour.  |

#### 6. Accidental release measures

|  |  |
|--|--|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist/vapours. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. |
|--|--|

**Methods and materials for containment and cleaning up**

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. Prevent entry into waterways, sewer, basements or confined areas.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material. Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

**Environmental precautions**

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

**7. Handling and storage****Precautions for safe handling**

Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not breathe mist/vapours. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Persons susceptible to allergic reactions should not handle this product. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities**

Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see section 10 of the SDS).

**8. Exposure controls/personal protection****Occupational exposure limits****US. ACGIH Threshold Limit Values**

| Components  | Type | Value                 | Form                 |
|---|------|-----------------------|----------------------|
| Solvent naphtha (petroleum), medium aliph. (CAS 64742-88-7) | TWA  | 200 mg/m <sup>3</sup> | Non-aerosol.         |
| Zinc oxide (CAS 1314-13-2)                                  | STEL | 10 mg/m <sup>3</sup>  | Respirable fraction. |
|   | TWA  | 2 mg/m <sup>3</sup>   | Respirable fraction. |

**Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)**

| Components                 | Type | Value                | Form        |
|----------------------------|------|----------------------|-------------|
| Zinc oxide (CAS 1314-13-2) | STEL | 10 mg/m <sup>3</sup> | Respirable. |
|                            | TWA  | 2 mg/m <sup>3</sup>  | Respirable. |

**Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)**

| Components   | Type | Value                 | Form         |
|--|------|-----------------------|--------------|
| Distillates (petroleum), hydrotreated light (CAS 64742-47-8) | TWA  | 200 mg/m <sup>3</sup> | Non-aerosol. |
| Solvent naphtha (petroleum), medium aliph. (CAS 64742-88-7)  | TWA  | 200 mg/m <sup>3</sup> | Non-aerosol. |
| Zinc oxide (CAS 1314-13-2)                                   | STEL | 10 mg/m <sup>3</sup>  | Respirable.  |
|  | TWA  | 2 mg/m <sup>3</sup>   | Respirable.  |

**Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)**

| Components  | Type | Value     | Form                 |
|---|------|-----------|----------------------|
| Solvent naphtha (petroleum), medium aliph. (CAS 64742-88-7) | TWA  | 200 mg/m3 | Non-aerosol.         |
| Zinc oxide (CAS 1314-13-2)                                  | STEL | 10 mg/m3  | Respirable fraction. |
|   | TWA  | 2 mg/m3   | Respirable fraction. |

**Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)**

| Components   | Type | Value     | Form                 |
|--|------|-----------|----------------------|
| Distillates (petroleum), hydrotreated light (CAS 64742-47-8) | TWA  | 525 mg/m3 |                      |
| Solvent naphtha (petroleum), medium aliph. (CAS 64742-88-7)  | TWA  | 200 mg/m3 | Non-aerosol.         |
| Zinc oxide (CAS 1314-13-2)                                   | STEL | 10 mg/m3  | Respirable fraction. |
|  | TWA  | 2 mg/m3   | Respirable fraction. |

**Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety)**

| Components  | Type | Value      | Form        |
|---|------|------------|-------------|
| Solvent naphtha (petroleum), medium aliph. (CAS 64742-88-7) | TWA  | 1590 mg/m3 |             |
|   |      | 400 ppm    |             |
| Zinc oxide (CAS 1314-13-2)                                  | STEL | 10 mg/m3   | Fume.       |
|   | TWA  | 5 mg/m3    | Fume.       |
|   |      | 10 mg/m3   | Total dust. |

**Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21)**

| Components                 | Type      | Value    | Form                                  |
|----------------------------|-----------|----------|---------------------------------------|
| Zinc oxide (CAS 1314-13-2) | 15 minute | 10 mg/m3 | Respirable fraction and dust or fume. |
|                            | 8 hour    | 2 mg/m3  | Respirable fraction and dust or fume. |

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Exposure guidelines****Canada - Alberta OELs: Skin designation**

Solvent naphtha (petroleum), medium aliph. (CAS 64742-88-7) Can be absorbed through the skin.

**Canada - British Columbia OELs: Skin designation**

Distillates (petroleum), hydrotreated light (CAS 64742-47-8) Can be absorbed through the skin.

Solvent naphtha (petroleum), medium aliph. (CAS 64742-88-7) Can be absorbed through the skin.

**Canada - Manitoba OELs: Skin designation**

Solvent naphtha (petroleum), medium aliph. (CAS 64742-88-7) Can be absorbed through the skin.

**Canada - Ontario OELs: Skin designation**

Solvent naphtha (petroleum), medium aliph. (CAS 64742-88-7) Can be absorbed through the skin.

**Canada - Saskatchewan OELs: Skin designation**

Solvent naphtha (petroleum), medium aliph. (CAS 64742-88-7) Can be absorbed through the skin.

**US ACGIH Threshold Limit Values: Skin designation**

Solvent naphtha (petroleum), medium aliph. (CAS 64742-88-7) Can be absorbed through the skin.

**Appropriate engineering controls** Explosion-proof general and local exhaust ventilation. Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles). Wear face shield if there is risk of splashes.

**Skin protection**

**Hand protection** Wear appropriate chemical resistant gloves. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. Nitrile or neoprene gloves are recommended. Other suitable gloves can be recommended by the glove supplier.

**Other** Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

**Respiratory protection** If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Check with respiratory protective equipment suppliers.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations** When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

## 9. Physical and chemical properties

### Appearance

**Physical state** Liquid.

**Form** Liquid.

**Colour** Grey.

**Odour** Hydrocarbon.

**Odour threshold** Not available.

**pH** Not available.

**Melting point/freezing point** Not available.

**Initial boiling point and boiling range** 144 - 207 °C (291.2 - 404.6 °F)

**Flash point** 43.0 °C (109.4 °F) Setflash

**Evaporation rate** < 1 (n-Butyl acetate=1)

**Flammability (solid, gas)** Not applicable.

### Upper/lower flammability or explosive limits

**Flammability limit - lower (%)** 0.9 %

**Flammability limit - upper (%)** 7 %

**Vapour pressure** Not available.

**Vapour density** > 1 (25°C / 77°F)

**Relative density** 3.15 (H<sub>2</sub>O=1)

### Solubility(ies)

**Solubility (water)** Slightly soluble in water.

**Partition coefficient (n-octanol/water)** Not available.

**Auto-ignition temperature** Not available.

**Decomposition temperature** Not available.

**Viscosity** 1800 mPa·s (25°C / 77°F)

### Other information

**Bulk density** 26 lb/gal

**Explosive properties** Not explosive.

**Oxidising properties** Not oxidising.

VOC 221 g/l (1.8 lb/gal)

## 10. Stability and reactivity

|   |   |
|---|---|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport.   |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.   |
| <b>Possibility of hazardous reactions</b> | Hazardous polymerisation does not occur.  |
| <b>Conditions to avoid</b>                | Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Protect against direct sunlight. Contact with incompatible materials.           |
| <b>Incompatible materials</b>             | Strong oxidising agents.  |
| <b>Hazardous decomposition products</b>   | Decomposition is not expected under normal conditions of use and storage. Fire or high temperatures create: Carbon oxides. Fumes of metal oxides. Chlorine compounds. Fluorine compounds. |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Prolonged inhalation may be harmful.  |
| <b>Skin contact</b> | Causes mild skin irritation. May cause an allergic skin reaction. May be absorbed through the skin. |
| <b>Eye contact</b>  | Direct contact with eyes may cause temporary irritation.  |
| <b>Ingestion</b>    | May cause discomfort if swallowed.  |

**Symptoms related to the physical, chemical and toxicological characteristics** Narcosis. Behavioural changes. Decrease in motor functions. Direct contact with eyes may cause temporary irritation. Mild skin irritation. May cause an allergic skin reaction. Dermatitis. Rash. Prolonged exposure may cause chronic effects.

### Information on toxicological effects

**Acute toxicity** Not expected to be acutely toxic.

| Components | Species | Test Results |
|------------|---------|--------------|
|------------|---------|--------------|

Solvent naphtha (petroleum), medium aliph. (CAS 64742-88-7)

#### Acute

##### **Dermal**

|      |        |              |
|------|--------|--------------|
| LD50 | Rabbit | > 2000 mg/kg |
|------|--------|--------------|

##### **Oral**

|      |     |              |
|------|-----|--------------|
| LD50 | Rat | > 5000 mg/kg |
|------|-----|--------------|

Zinc (CAS 7440-66-6)

#### Acute

##### **Oral**

|      |       |          |
|------|-------|----------|
| LD50 | Mouse | > 5 g/kg |
|------|-------|----------|

**Skin corrosion/irritation** Causes mild skin irritation.

**Serious eye damage/eye irritation** Direct contact with eyes may cause temporary irritation.

### Respiratory or skin sensitisation

**Respiratory sensitisation** Not a respiratory sensitiser.

**Skin sensitisation** May cause an allergic skin reaction.

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** Not classifiable as to carcinogenicity to humans.

#### **ACGIH Carcinogens**

|   |  |
|---|--|
| Solvent naphtha (petroleum), medium aliph. (CAS 64742-88-7) | A3 Confirmed animal carcinogen with unknown relevance to humans. |
|---|--|

#### **Canada - Manitoba OELs: carcinogenicity**

|   |   |
|---|---|
| Solvent naphtha (petroleum), medium aliph. (CAS 64742-88-7) | Confirmed animal carcinogen with unknown relevance to humans. |
|---|---|

#### **IARC Monographs. Overall Evaluation of Carcinogenicity**

|   |   |
|---|---|
| Solvent naphtha (petroleum), medium aliph. (CAS 64742-88-7) | 3 Not classifiable as to carcinogenicity to humans. |
|---|---|

|   |  |
|---|--|
| <b>Reproductive toxicity</b>                              | This product is not expected to cause reproductive or developmental effects.                         |
| <b>Specific target organ toxicity - single exposure</b>   | Not classified.  |
| <b>Specific target organ toxicity - repeated exposure</b> | Causes damage to organs (central nervous system) through prolonged or repeated exposure.             |
| <b>Aspiration hazard</b>                                  | Not an aspiration hazard.  |
| <b>Chronic effects</b>                                    | Prolonged inhalation may be harmful. Causes damage to organs through prolonged or repeated exposure. |

## 12. Ecological information

**Ecotoxicity** Very toxic to aquatic life with long lasting effects.

| Components   | Species   | Test Results         |
|--|---|----------------------|
| Distillates (petroleum), hydrotreated light (CAS 64742-47-8) |   |                      |
| <b>Aquatic</b>   |   |                      |
| Fish   | LC50 Rainbow trout, donaldson trout (Oncorhynchus mykiss) | 2.9 mg/l, 96 hours   |
| Zinc (CAS 7440-66-6)   |   |                      |
| <b>Aquatic</b>   |   |                      |
| <i>Acute</i>   |   |                      |
| Crustacea  | EC50 Daphnia magna  | 0.07 mg/l            |
| Fish   | LC50 Oncorhynchus mykiss                                  | 0.14 mg/l            |
| Zinc oxide (CAS 1314-13-2)                                   |   |                      |
| <b>Aquatic</b>   |   |                      |
| Crustacea  | LC50 Water flea (Daphnia magna)                           | 0.098 mg/l, 48 Hours |

|                                      |  |
|--------------------------------------|--|
| <b>Persistence and degradability</b> | The product contains inorganic compounds which are not biodegradable.                                |
| <b>Bioaccumulative potential</b>     | No data available on bioaccumulation.  |
| <b>Mobility in soil</b>              | The product is slightly soluble in water. Expected to be slightly to moderately mobile in soil.      |
| <b>Other adverse effects</b>         | The product contains volatile organic compounds which have a photochemical ozone creation potential. |

## 13. Disposal considerations

|  |  |
|--|--|
| <b>Disposal instructions</b>                 | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations. |
| <b>Local disposal regulations</b>            | Dispose in accordance with all applicable regulations.   |
| <b>Hazardous waste code</b>                  | The waste code should be assigned in discussion between the user, the producer and the waste disposal company.   |
| <b>Waste from residues / unused products</b> | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.  |
| <b>Contaminated packaging</b>                | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.   |

## 14. Transport information

### TDG

|                                     |   |
|-------------------------------------|---|
| <b>UN number</b>                    | UN1263  |
| <b>UN proper shipping name</b>      | Paint   |
| <b>Transport hazard class(es)</b>   |   |
| <b>Class</b>                        | 3   |
| <b>Subsidiary risk</b>              | -   |
| <b>Packing group</b>                | III   |
| <b>Environmental hazards</b>        | Yes   |
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling. |

### IATA

|                                |        |
|--------------------------------|--------|
| <b>UN number</b>               | UN1263 |
| <b>UN proper shipping name</b> | Paint  |

**Transport hazard class(es)**  
**Class** 3  
**Subsidiary risk** -  
**Label(s)** 3  
**Packing group** III  
**Environmental hazards** Yes  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

#### IMDG

**UN number** UN1263  
**UN proper shipping name** Paint  
**Transport hazard class(es)**  
**Class** 3  
**Subsidiary risk** -  
**Packing group** III  
**Environmental hazards**  
**Marine pollutant** Yes  
**EmS** F-E, S-E  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

## 15. Regulatory information

**Canadian regulations** This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

**Canada. Excluded VOCs. Guidelines for Volatile Organic Compounds in Consumer Products. CEPA 1999. Environment Canada, as amended**

Benzene, 1-chloro-4-(trifluoromethyl)- (CAS 98-56-6)

**Controlled Drugs and Substances Act**

Not regulated.

**Export Control List (CEPA 1999, Schedule 3)**

Not listed.

**Greenhouse Gases**

Not listed.

**Ontario. Toxic Substances. Toxic Reduction Act, 2009. Regulation 455/09 (July 1, 2011)**

Zinc (CAS 7440-66-6)

Zinc oxide (CAS 1314-13-2)

**Precursor Control Regulations**

Not regulated.

#### International regulations

**Stockholm Convention**

Not applicable.

**Rotterdam Convention**

Not applicable.

**Kyoto Protocol**

Not applicable.

**Montreal Protocol**

Not applicable.

**Basel Convention**

Zinc (CAS 7440-66-6)

#### International Inventories

| Country(s) or region | Inventory name   | On inventory (yes/no)* |
|----------------------|--|------------------------|
| Australia            | Australian Inventory of Chemical Substances (AICS)         | Yes                    |
| Canada               | Domestic Substances List (DSL)                             | Yes                    |
| Canada               | Non-Domestic Substances List (NDSL)                        | No                     |
| China                | Inventory of Existing Chemical Substances in China (IECSC) | Yes                    |



| <b>Country(s) or region</b> | <b>Inventory name</b>  | <b>On inventory (yes/no)*</b> |
|-----------------------------|--|-------------------------------|
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes                           |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                            |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | No                            |
| Korea                       | Existing Chemicals List (ECL)  | Yes                           |
| New Zealand                 | New Zealand Inventory  | Yes                           |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                           |
| Taiwan                      | Taiwan Chemical Substance Inventory (TCSI)                             | Yes                           |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | Yes                           |

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information

|                      |   |
|----------------------|---|
| <b>Issue date</b>    | 31-May-2017   |
| <b>Revision date</b> | 28-February-2020  |
| <b>Version No.</b>   | 02  |
| <b>Disclaimer</b>    | This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment. |