



Bella Corp
Trading Pty Ltd

Distributed by **Bella Corp Trading Pty Ltd** ABN: 32169140443
6/34 Dominions Rd, Ashmore, QLD, 4214, T: 07 55974 169 F: 07 55974 264
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SAFETY DATA SHEET

ZINC PICOLINATE

SECTION I – IDENTIFICATION

GHS Product Identifier: Zinc Picolinate.

Product Code: 7806.

Product Type: Solid.

Identified Uses:

Formulation for vitamin and sports nutrition companies.

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SECTION II – HAZARDS IDENTIFICATION

This section of the SDS applies when the product is used or handled above recommended amounts.

OSHA/HCS Status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the Substance or Mixture:

- **Acute Toxicity (Oral)** – Category 4
- **Skin Corrosion/Irritation** – Category 2
- **Serious Eye Damage/Eye Irritation** – Category 2B
- **Specific Target Organ Toxicity (Single Exposure) (Respiratory tract infection)** –Category 3
- **Aquatic Hazard (Acute)** – Category 1
- **Aquatic Hazard (Long-Term)** – Category 1

GHS Label Elements:



Hazard Pictograms:

Signal Word: Warning.



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Hazard Statements: Harmful if swallowed.
Causes skin and eye irritation.
May cause respiratory irritation.
Very toxic to aquatic life with long lasting effects.

Precautionary Statements:

General: Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Prevention: Wear protective gloves. Wear eye or face protection. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Avoid breathing dust. Do not eat, drink, or smoke when using this product. Wash hands thoroughly after handling.

Response: Collect spillage. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Rinse mouth. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Storage: Store locked up.

Disposal: Dispose of contents and container in accordance with all local, regional, national, and international regulations.

Hazard not Otherwise Classified: None known.

SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Substance.

Other Means of Identification: Not available.

CAS Number/Other Identifiers:

CAS Number: Not available.

Product Code: 1700.

| Ingredient Name | % | CAS# |
|-----------------|----------|------------|
| Zinc Picolinate | 60 – 100 | 17949-65-4 |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.



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SECTION IV – FIRST AID MEASURES

This section of the SDS applies when the product is used or handled above recommended amounts.

Description of Necessary First Aid Measures:

Eye Contact: In case of contact, immediately flush eyes with water for at least 15 minutes, preferably using an eyewash station. Remove any contact lens as soon as practical to do so. Get immediate medical attention if irritation occurs.

Inhalation: Move victim to fresh air. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult.

Skin Contact: Wash with soap and water for at least 15 minutes. Get immediate medical attention if irritation develops.

Ingestion: Do NOT induce vomiting. Rinse mouth. Do not give anything by mouth to an unconscious person.

Most Important Symptoms/Effects, Acute and Delayed:

Potential Acute Health Effects:

Eye Contact: No known significant effects or critical hazards.

Inhalation: No known significant effects or critical hazards.

Skin Contact: Causes skin irritation.

Ingestion: No known significant effects or critical hazards.

Over-Exposure Signs/Symptoms:

Eye Contact: No known significant effects or critical hazards.

Inhalation: No known significant effects or critical hazards.

Skin Contact: Adverse symptoms may include the following:
- irritation
- redness

Ingestion: No known significant effects or critical hazards.

Indication of Immediate Medical Attention and Special Treatment Needed, If Necessary:

Notes to Physician: All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Specific Treatments: No specific treatment.

Protection of First-Aiders: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)



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SECTION V – FIRE FIGHTING MEASURES

Extinguishing Media:

Suitable Extinguishing Media:

Use an extinguishing agent suitable for the surrounding fire.

Unsuitable Extinguishing Media:

None known.

Specific Hazards Arising from the Chemical:

This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer, or drain.

Hazardous Thermal Decomposition Products:

No specific data.

Special Protective Actions for Fire-Fighters:

No special measures are required.

Special Protective Equipment for Fire-Fighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION VI – ACCIDENTAL RELEASE MEASURES

This section of the SDS applies when the product is used or handled above recommended amounts.

Personal Precautions, Protective Equipment, and Emergency Procedures:

For Non-Emergency Personnel:

Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For Emergency Responders:

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For Non-Emergency Personnel".

Environmental Precautions:

Not applicable.

Methods and Materials for Containment and Cleaning Up:

Spill: Move containers from spill area. Prevent entry into sewers, water courses, basements, or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: See Section 1 for emergency contact information and Section 13 for waste disposal.



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SECTION VII – HANDLING AND STORAGE

Precautions for Safe Handling:

Protective Measures:

Put on appropriate personal protective equipment (see Section 8).

Advice on General Occupational Hygiene:

Normal good industrial hygiene.

Conditions for Safe Storage, Including Any Incompatibilities:

Store in accordance with local regulations. Keep container tightly closed and sealed until ready to use.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

Proper personal protective equipment should be selected and worn when handling this product, as based on a risk assessment performed by a qualified person.

Control Parameters:

Occupational Exposure Limits:

None.

Appropriate Engineering Controls:

Handle in accordance with good industrial hygiene and safety practice. Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.

Environmental Exposure Controls:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Individual Protection Measures:

Hygiene Measures:

Wash hands, forearms, and face thoroughly after handling chemical products, before eating, smoking, and using the lavatory, and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/Face Protection:

Safety glasses with side-shields conforming to EN166/ANSI Z87 additional eye/face protection may be appropriate.

Skin Protection:

Hand Protection:

Handle with gloves. Gloves must be inspected prior to use to ensure there are no holes or tears. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of gloves after use in accordance with applicable laws and good industry practices. Wash and dry hands.



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| | |
|--------------------------------|---|
| Body Protection: | Wear appropriate clothing such as long sleeves and/or protective coveralls. The type of protective clothing must be selected according to the type, concentration, and amount of the substance(s) at the specific workplace. |
| Other Skin Protection: | Not required under normal conditions of use. |
| Respiratory Protection: | For nuisance exposures, use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection, use type P100 (US) or type P3 (EU EN 143) respirator cartridge. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149-approved respirator if exposure limits are exceeded or symptoms are experienced. |

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|---------------------|
| Appearance: | |
| Physical State: | Solid. [Powder.] |
| Color: | White to off-white. |
| Odor: | Not available. |
| Odor Threshold: | Not available. |
| pH: | Not available. |
| Melting Point: | Not available. |
| Boiling Point: | Not available. |
| Flash Point: | Not applicable. |
| Evaporation Rate: | Not applicable. |
| Flammability (solid, gas): | Not available. |
| Lower and Upper Explosive (Flammable) Limits: | Not available. |
| Vapor Pressure: | Not applicable. |
| Vapor Density: | Not applicable. |
| Relative Density: | Not available. |
| Solubility: | Not available. |
| Partition Coefficient: n-octanol/water: | Not available. |
| Auto-Ignition Temperature: | Not available. |
| Decomposition Temperature: | Not available. |
| Viscosity: | Not applicable. |

SECTION X – STABILITY AND REACTIVITY

| | |
|--|--|
| Reactivity: | No specific test data related to reactivity available for this product or its ingredients. |
| Chemical Stability: | The product is stable. |
| Possibility of Hazardous Reactions: | Under normal conditions of storage and use, hazardous reactions will not occur. |
| Conditions to Avoid: | No specific data. |



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Incompatible Materials: Reactive or incompatible with the following materials: oxidizing materials.

Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION XI – TOXICOLOGICAL INFORMATION

Information on Toxicological Effects:

Acute Toxicity:

There is no data available.

Irritation/Corrosion:

There is no data available.

Sensitization:

There is no data available.

Carcinogenicity:

There is no data available.

Specific Target Organ Toxicity (single exposure):

| Name | Category | Route of Exposure | Target Organs |
|-----------------|------------|-------------------|------------------------------|
| Zinc Picolinate | Category 3 | Not applicable | Respiratory tract irritation |

Specific Target Organ Toxicity (repeated exposure):

There is no data available.

Aspiration Hazard:

There is no data available.

Information on the Likely Routes of Exposure: Dermal contact. Eye contact. Inhalation. Ingestion.

Potential Acute Health Effects:

Eye Contact: No known significant effects or critical hazards.

Inhalation: No known significant effects or critical hazards.

Skin Contact: Causes skin irritation.

Ingestion: No known significant effects or critical hazards.

Symptoms Related to the Physical, Chemical, and Toxicological Characteristics:

Eye Contact: No known significant effects or critical hazards.

Inhalation: No known significant effects or critical hazards.

Skin Contact: Adverse symptoms may include the following:

- irritation
- redness

Ingestion: No known significant effects or critical hazards.



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Delayed and Immediate Effects and also Chronic Effects from Short and Long-Term Exposure:

Short-Term Exposure:

Potential Immediate Effects: No known significant effects or critical hazards.

Potential Delayed Effects: No known significant effects or critical hazards.

Long-Term Exposure:

Potential Immediate Effects: No known significant effects or critical hazards.

Potential Delayed Effects: No known significant effects or critical hazards.

Potential Chronic Health Effects:

General: No known significant effects or critical hazards.

Carcinogenicity: No known significant effects or critical hazards.

Mutagenicity: No known significant effects or critical hazards.

Teratogenicity: No known significant effects or critical hazards.

Developmental Effects: No known significant effects or critical hazards.

Fertility Effects: No known significant effects or critical hazards.

Numerical Measures of Toxicity:

Acute Toxicity Estimates:

| Route | ATE Value |
|-------|-----------|
| Oral | 500 mg/kg |

SECTION XII – ECOLOGICAL INFORMATION

Toxicity:

There is no data available.

Persistence and Degradability:

There is no data available.

Bio-Accumulative Potential:

There is no data available.

Mobility in Soil:

Soil/Water Partition Coefficient (K_{oc}): Not available.

Other Adverse Effects: No known significant effects or critical hazards.

SECTION XIII – DISPOSAL CONSIDERATIONS

Disposal Methods: The generation of waste should be avoided or minimized wherever possible.

Disposal of this product, solutions, and any byproducts should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

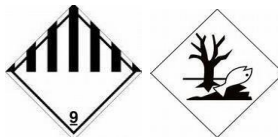
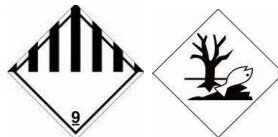


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SECTION XIV – TRANSPORT INFORMATION

| | DOT Classification | IMDG | IATA |
|----------------------------|--------------------|---|--|
| UN Number | Not regulated. | UN3077 | UN3077 |
| UN Proper Shipping Name | | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Zinc Picolinate) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Zinc Picolinate) |
| Transport Hazard Class(es) | | 9  | 9  |
| Packing Group | | III | III |
| Environmental Hazards | | Yes. | Yes. |
| Additional Information | | The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg. | The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg. |

AERG: 171.

Special Precautions for User: **Transport within user's premises:** Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: Not available.

SECTION XV – REGULATORY INFORMATION

U.S. Federal Regulations:

TSCA 8(a) CDR Exempt/Partial Exemption: Not determined.
United States Inventory (TSCA 8B): Not determined.
Clean Water Act (CWA) 307: Zinc, bis (2-pyridinecarboxylato-κN1, κO2), (T-4)-

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs): Not listed.
Clean Air Act Section 602 Class I Substances: Not listed.
Clean Air Act section 602 Class II Substances: Not listed.
DEA List I Chemicals (Precursor Chemicals): Not listed.
DEA List II Chemicals (Essential Chemicals): Not listed.



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SARA 302/304:

Composition/Information on Ingredients:

No products were found.

SARA 304 RQ: Not applicable.

SARA 311/312:

Classification: Immediate (acute) health hazard

Composition/Information on Ingredients:

| Name | % | Fire Hazard | Sudden Release of Pressure | Reactive | Immediate (Acute) Health Hazard | Delayed (Chronic) Health Hazard |
|-----------------|----------|-------------|----------------------------|----------|---------------------------------|---------------------------------|
| Zinc Picolinate | 60 – 100 | No. | No. | No. | Yes. | No. |

SARA 313

| | Product Name | CAS Number | % |
|--|-----------------|------------|----------|
| Form R – Reporting Requirements | Zinc Picolinate | 17949-65-4 | 60 – 100 |
| Supplier Notification | Zinc Picolinate | 17949-65-4 | 60 – 100 |

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State Regulations:

Massachusetts: None of the components are listed.

New York: None of the components are listed.

New Jersey: The following components are listed: Zinc, bis (2-pyridinecarboxylato-κN1, κO2), (T-4)-

Pennsylvania: The following components are listed: Zinc, bis (2-pyridinecarboxylato-κN1, κO2), (T-4)-

California Prop. 65:

No products were found.



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International Regulations:

International Lists:

- **Australia inventory (AICS):** Not determined.
- **China inventory (IECSC):** Not determined.
- **Japan inventory:** Not determined.
- **Korea inventory:** Not determined.
- **Malaysia Inventory (EHS Register):** Not determined.
- **New Zealand Inventory of Chemicals (NZIoC):** All components are listed or exempted.
- **Philippines inventory (PICCS):** Not determined.
- **Taiwan inventory (CSNN):** Not determined.

Chemical Weapons Convention List Schedule I Chemicals: Not listed.

Chemical Weapons Convention List Schedule II Chemicals: Not listed.

Chemical Weapons Convention List Schedule III Chemicals: Not listed.

SECTION XVI – OTHER INFORMATION

History:

Date of Issue mm/dd/yyyy: 08/17/2017.

Version: 1.

Revised Section(s): Not applicable.

Key to Abbreviations:

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labeling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL 73/78 = International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978.

("Marpol" = marine pollution)

UN = United Nations

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.