



Resonance Specialties Limited

MATERIAL SAFETY DATA SHEET

Zinc Picolinate MSDS

1. IDENTIFICATION :

Product Name: Zinc Picolinate

CAS# : 17949-65-4

RTECS : Not available.

TSCA : TSCA 8(b) inventory: No products were found.

CI# : Not available.

Synonym: Not available.

Therapeutic Category : Food supplement

2. COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Entity	Cas No.	Proportions (%)
Zinc Picolinate	17949-65-4	100

3. HAZARDS IDENTIFICATION

Potential Acute Health Effects:

Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:

Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

CARCINOGENIC EFFECTS: Not available.

MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available.

4. FIRST AID MEASURES**Eye Contact:**

Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used.

Skin Contact:

After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact:

Not available

Inhalation:

Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation: Not available.

Ingestion:

Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

Flash Point Not available

Flammable Limits Not available

Extinguishing Media

Fire fighters should wear full protective equipment including self-contained breathing apparatus. Use media that is appropriate to treat surrounding fire. It presents no health hazard and no unusual hazard, if involved in a fire.

Products of Combustion

These products are carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂...)

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not available.

Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:

SMALL FIRE: Use DRY chemical powder.

LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

6. ACCIDENTAL RELEASE MEASURES**Small Spill**

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

7. HANDLING AND STORAGE**Precautions**

Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust.

Storage

Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. Wear safety glasses and chemical goggles if splashing is possible.

Personal Protection:

Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Description	Solid (Powdered solid)
Formula	C ₁₂ H ₈ N ₂ O ₄ Zn
Color	White
Molecular Weight	309.6 g/mole
Odour	Not available
Vapor Pressure	Not applicable
Volatility	Not available
pH (1% soln/water)	Not available
Boiling Point	Not available
Melting Point	Decomposes
Critical Temperature	Not available
Specific Gravity	Not available
Odor Threshold	Not available
Water/Oil Dist. Coeff.	Not available
Ionicity (in Water)	Not available
Dispersion Properties	See solubility in water
Solubility	Soluble in cold water

10. STABILITY AND REACTIVITY

Stability	The product is stable
Conditions of Instability	Not available
Incompatibilities with various substances	Not available
Corrosivity	Non-corrosive in presence of glass
Special Remarks on Reactivity	Not available
Special Remarks on Corrosivity	Not available
Polymerization	No

11. TOXICOLOGICAL INFORMATION

Routes of Entry: Not available.

Toxicity to Animals:

LD50: Not available.

LC50: Not available.

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

14. TRANSPORTATION INFORMATION

	IATA	IMO	RID/ADR
Shipping Name	NA	NA	NA
Hazard class	NA	NA	NA
UN Number	NA	NA	NA
Packing Group	NA	NA	NA

Is Non Hazardous and can be transported in passenger and cargo airline

15. REGULATORY INFORMATION

Federal and State Regulations: TSCA 8(b) inventory: No products were found.

Other Regulations: Not available..

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada).

DSCL (EEC):

This product is not classified according to the EU regulations.

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 1

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:

Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Safety glasses.

16. ADDITIONAL INFORMATION

MSDS Creation **Date:** 07/18/1996

MSDS Revision **Date:** 08/18/2007

The information above is believed to be accurate and represents the best information currently available to us. However we take no warranty of merchantability or any other warranty express or implied with respect to such information and we assume no liability resulting from the use. Users should make the own investigation to determine the suitability of information for there particular purposes. In no way shall be company be liable for any claim losses or damages of any third party of for lost profit or a special indirect incidental consequential or exemplary damages howsoever arising. Even if the company has been advised of the possibility of such damages.