



## MATERIAL SAFETY DATA SHEET

### 1. Identification of the substance/preparation and of the company/undertaking

Identification of the product

Product name: BPC-48

Commercial name: BPC-48

Use of the substance/preparation: Zinc Electroplating intermediate

Manufacturer/supplier identification:

Company: Wuhan Pinestone Fortune International Trading Co., Ltd.

Telephone : Telefax : +86-27-85615903

Emergency telephone No.: +8613638689157

### 2. Composition/information on ingredients

Chemical characterization

Product name: BPC-48

1-Benzylpyridinium-3-carboxylate 48% CAS number: 15990-43-9

water 52% CAS number:7732-18-5

### 3. Hazards identification

Toxic by inhalation, in contact with skin and if swallowed. Causes slightly burns probably. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

May cause sensitization by skin contact.

### 4. First aid measures

-Eye contact: Irrigate thoroughly with water for at least 10 minutes. OBTAIN

**MEDICAL ATTENTION.**

-Inhalation: Remove from exposure, rest and keep warm. In severe cases obtain medical attention.

-Skin contact: Wash off skin thoroughly with water. Remove contaminated clothing and wash before re-use. Unless contact has been slight, OBTAIN MEDICAL

**ATTENTION.**

-Ingestion: Wash out mouth thoroughly with water and give plenty of water to drink.

OBTAIN MEDICAL ATTENTION.

### 5. Fire-fighting measures

As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition advice.

### 6. Accidental release measures

Wear appropriate protective clothing. Inform others to keep at a safe distance. Shut off all sources of ignition.

Wash site of spillage thoroughly with water and detergent.



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For large spillages liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers.

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### 7. Handling and storage

All electrical equipment must be flameproofed. Take precautions against static discharge.

Work under fume extractor. Do not inhale substance. Avoid contact with skin and eyes.

Wash hands and face thoroughly after working with material. Contaminated clothing should be removed and washed before re-use.

Use appropriate containment to avoid environmental contamination.

Storage:

Store at room temperature (15 to 25° C recommended). Keep well closed and protected from direct sunlight and moisture.

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### 8. Personal protection

Personal protective equipment:

-Ventilation: Fume cupboard, flameproof

-Gloves: Nitrile. Change gloves regularly. Gloves subject to permeation or any sign of degradation must be removed and replaced immediately.

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### 9. Physical and chemical properties

Chemical substance nicotinic acid

Or group name:

Molecular formula:

Appearance

C<sub>5</sub>H<sub>4</sub>N-COOH

pale yellow liquid

Concentration (%) ≥48.0

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### 10. Stability and reactivity

Stable.

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### 11. Toxicological information

- After skin contact: Slightly burns probably. Danger of skin absorption. Sensitization possible in predisposed persons.

- After ingestion: severe irritation and damage to the gastro-intestinal tract

We have no evidence of carcinogenic effects. We have no evidence of mutagenic or teratogenic effects.

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### 12. Ecological information

A harmful effect on aquatic organisms cannot be excluded in the event of improper handling or



disposal.

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### 13. Disposal considerations

Chemical residues are generally classified as special waste, and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company. Rinse out empty containers thoroughly before returning for recycling. When recovery and recycling is not possible, incineration in a high temperature incinerator is the recommended method of disposal.

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### 14. Transport information

Shipping Name: BPC-48

NOT REGULATED TO IMDG CODE

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### 15. REGULATORY INFORMATION

OSHA Hazards

No known OSHA hazards

DSL Status

All components of this product are on the Canadian DSL list.

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### 16. OTHER INFORMATION INFORMATION

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall Wuhan Pinestone Fortune International Trading Co., Ltd. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if our company has been advise the possibility of such damages.