

## **LONGNOX AO68**

### **1. Identification of the substance / Preparation and Company**

1.1 Commercial Product Name: LONGNOX AO68

1.2 Company undertaking identification

Manufacturer: **Longchem C & S International Corp.**

Identification of the company

**No.46,Dou-Kung 2 Rd, Dou-Liu City,  
Yun-Lin Hsien, 64069 Taiwan, R.O.C.  
Telephone number:886-5-557-4403**

### **2. Hazardous Identification**

Hazard symbol: warning

Classification system

GHS ratings

Acute toxicity(oral)	5
Hazard for substances hazardous to the environment	3

### **3. Composition/Information on Ingredient**

3.1 Chemistry name : Tris-(2,4-di-tert-butylphenyl)-phosphite

3.2 CAS No.: 31570-04-4

3.3 EINECS No.: 250-709-6

### **4. First Aid Measures**

4.1 After inhalation: Remove victim to fresh air. In case of irritation of respiratory system of mucous membranes, or if you feel unwell or in case of prolonged exposure, get medical attention.

4.2 After contact with the skin: Wash with plenty of soap and water. Do not use organic solvents.

4.3 After contact with the eyes: Flush eye with plenty of water for 15 minutes. In case of eye irritation get medical attention.

4.4 Ingestion: Affected person should drink 500~800 ml water, if possible with suspended activated carbon for medical use. In case of spontaneous vomiting be sure that vomit can freely drain because of danger of suffocation. Give water repeatedly. Artificial induction of vomiting should be restricted to first aid staff. Give nothing by mouth in

case of unconsciousness or convulsions. Get medical attention.

## **5. Fire Fighting Measures**

- 5.1 Fire-fighting media: water mist, foam, carbon dioxide or dry chemical
- 5.2 Thermal Decomposition: > 350°C
- 5.3 Hazardous Thermal Decomposition: May release oxides of carbon and other toxic gases and vapors.
- 5.4 Exposure Hazards: Do not release chemically contaminated water into drains, soil or surface waters. Sufficient measures must be taken to retain water used for extinguishing. Dispose of contaminated water and soil according to local regulations

## **6. Accidental Release Measures**

- 6.1 Personal precautions: Do not breathe dust. Avoid ignition sources. Avoid contact with skin, eyes and clothing.
- 6.2 Environmental precautions: Prevent contamination of soil, drains and surface waters.
- 6.3 Method for cleaning: Take up mechanically and place in suitable, closable container for disposal, avoiding formation of dust.

## **7. Handling and Storage**

- 7.1 Handling: Irritant! Handle with care. Avoid eye and skin contact. Store in tightly closed containers. Ensure good ventilation and local exhaust. Do not eat, drink or smoke at the workplace.
- 7.2 Storage: Keep away from food and drink. Store in the original container securely closed and at room temperature.

## **8 Exposure Controls / Personal Protection**

- 8.1 Respiratory Protection: In case of exposure, use appropriate NIOSH approved respiratory protective equipment
- 8.2 Ventilation: Recommended
- 8.3 Hand protection: Impermeable gloves to minimize skin contact
- 8.4 Eye protection: Chemical goggles
- 8.5 Other protection equipment: Eye wash fountain, safety shower. Wash contaminated clothing before re-use

## **9 Physical / Chemical Properties**

- 9.1 Appearance: White free flowing powder

- 9.2 Odor: odorless
- 9.3 Sense of Smell Valve :—
- 9.4 pH value ( 3g / liter water ) : —
- 9.5 Melting point: 180~187°C
- 9.6 Boiling point:—
- 9.7 Flammability(Solid,Gas) : —
- 9.8 Decomposition Temperature : —
- 9.9 Flash point : >150°C
- 9.10 Autoignition Temperature : —
- 9.11 Explosion Limits :—
- 9.12 Vapor pressure: <0.01 Pa@25°C
- 9.13 Density: 1.03g/cm<sup>3</sup> @20°C
- 9.14 Solubility in water: <0.03g/L@20°C
- 9.15 Log Kow : —
- 9.16 Volatiles: 0.5% MAX.
- 9.17 Solution Clarity : Clear ( @10g/100ml Toluene)
- 9.18 Color of Solution :

Transmittance(%)	
425nm	97.0%
500nm	98.0%
APHA	50 Max.

## **10 Stability and Reactivity**

- 10.1 Stability: stable
- 10.2 Store Temperature: 18 ~25°C
- 10.3 Conditions to avoid: static discharge
- 10.4 Materials to avoid: strong oxidizing agents, strong bases and strong acids.

## **11 Toxicological Information**

- 11.1 LD<sub>50</sub> (oral in rats): >2,000mg
- 11.2 Skin irritation tested on rabbits: Not-irritant
- 11.3 Eye irritation ordination tested on rabbits: Not-irritant
- 11.4 Skin sensitization on guinea pigs: Not sensitizing

## **12 Ecological Information**

- 12.1 LC<sub>50</sub> (Fish): > 66mg/L (Zebra fish, 96 hrs)
- 12.2 EC<sub>50</sub> (Daphnia): >510 mg/l (Daphnia magna, 24 hrs)
- 12.3 IC<sub>50</sub> (Bacteria): > 100 mg/l (Sewage sludge, 3 hrs)

12.4 Ready Bio-degradability: not degradable

### **13 Disposal Considerations**

13.1 Incineration or landfill in accordance with local regulations. Contaminated packaging material should be disposed of identically to the product itself. Non contaminated packaging material should be treated as household waste or as recycling material.

### **14 Transport Information**

Proper Shipping Name: None

14.1 This product is not dangerous goods in IMDG (sea transport) Status and ICAO (air transport) Status. Prevent from falling, dropping and damage.

14.2 ADR/RID (land transport): Not regulated and restricted.

### **15 Regulatory Information**

H-CODES	H302	Harmful if swallowed.
	H412	Harmful to aquatic life with long lasting effects.
P-CODES	P270	Do not eat, drink or smoke when using this product.
	P273	Avoid release to the environment.

15.1 TSCA Inventory Status: Yes

15.2 All components of this product are listed on the Globally Harmonized System of the Classification and Labelling of Chemicals, (GHS)

### **16 Others**

The above information describes exclusively the safety requirements of the product(s) and is based on our present-day knowledge. It does not represent a guarantee for the properties of the product(s) in terms of the legal warranty regulations.