

SAFETY DATA SHEET

JADEWIN AN 168

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name JADEWIN AN 168
Product No. JADEWIN
Synonyms, Trade Names 2,4-bis(1,1-dimethylethyl)-phenophosphite(3:1)
CAS-No. 31570-04-4
EC No. 250-709-6

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

Supplier

QINGDAO JADE NEW MATERIAL TECHNOLOGY CO.,LTD

*Address: Room 411, Building2, No318 Longshui Road,
Licang District, Qingdao, Shandong Province , China.*

Tel:+86 18561336360 Fax:4008892163 - 108245

· Emergency telephone number: +86 185 6133 6360

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards Not classified.
Human health Not classified.
Environment Not classified.

Classification (1999/45/EEC)

Not classified.

2.2. Label elements

EC No. 250-709-6
Contains: 2,4-bis(1,1-dimethylethyl)-phenophosphite(3:1)
Label In Accordance With (EC) No. 1272/2008
Not classified.

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

2,4-bis(1,1-dimethylethyl)-phenophosphite(3:1)		100%
CAS-No.: 31570-04-4	EC No.: 250-709-6	
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.	

The Full Text for all R-Phrases and Hazard Statements is Displayed in Section 16

CAS-No. 31570-04-4

EC No. 250-709-6

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation.

Remove victim immediately from source of exposure. Move the exposed person to fresh air at once. For breathing difficulties oxygen may be necessary. Get medical attention.

Ingestion

wash out mouth with water Give 1 cup of water to drink every 10 minutes Get medical attention

Skin Contact

Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

Eye Contact

Immediately rinse with water. Get medical attention immediately. Continue to rinse.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation.

Coughing, chest tightness, feeling of chest pressure.

Ingestion

There may be irritation of the throat

Skin Contact

Prolonged skin contact may cause redness and irritation.

Eye Contact

Irritating and may cause redness and pain.

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing Media

Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable Extinguishing Media

Carbon dioxide (CO₂). Dry chemicals. Foam. Water spray, fog or mist.

5.2. Special hazards arising from the substance or mixture

Hazardous Combustion Products

When heated, vapours/gases hazardous to health may be formed.

Specific Hazards

In case of fire, toxic gases may be formed.

5.3. Advice for firefighters

Protective Measures In Fire

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

For personal protection, see section 8.

6.2. Environmental precautions

Avoid discharge to the aquatic environment. The product should not be dumped in nature but collected and delivered according to agreement with the local authorities.

6.3. Methods and material for containment and cleaning up

Wash thoroughly after dealing with a spillage.

6.4. Reference to other sections**SECTION 7: HANDLING AND STORAGE****7.1. Precautions for safe handling**

Avoid inhalation of dust and contact with skin and eyes. Observe good chemical hygiene practices. Provide good ventilation. Avoid handling which leads to dust formation.

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed. Store in a cool and well-ventilated place.

Storage Class

Must only be kept in original packaging

7.3. Specific end use(s)**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters****8.2. Exposure controls**

Protective Equipment



Engineering Measures

All handling to take place in well-ventilated area.

Respiratory Equipment

Wear suitable respiratory protection. Check that mask fits tight and change filter regularly.

Hand Protection

Use protective gloves.

Eye Protection

Wear dust resistant safety goggles where there is danger of eye contact.

Other Protection

Provide eyewash station and safety shower. AVOID ALL SKIN AND RESPIRATORY CONTACT! Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene Measures

Wash at the end of each work shift and before eating, smoking and using the toilet. Remove contaminated clothing and wash the skin thoroughly with soap and water after work. Shower after work. Eating, smoking and water fountains prohibited in immediate work area.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

Appearance	WHITE CRYSTALLINE POWDER
Colour	White / off-white
Odour	Characteristic
Solubility	< 0.001 mg/l at 20 C
Initial Boiling Point and Boiling Range:	
Not applicable.	
Melting Point (°C)	183.00-187.00

Relative Density	480 - 570
Vapour Density (Air=1)	
Not applicable.	
Flash Point (°C)	> 150 C
Flammability Limit - Lower(%)	
Not applicable.	
Partition Coefficient (N-Octanol/Water)	> 6 log Pow

9.2. Other information**SECTION 10: STABILITY AND REACTIVITY****10.1. Reactivity****10.2. Chemical stability**

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Not relevant.

10.4. Conditions to avoid

Avoid dust close to ignition sources. Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

Materials To Avoid

Strong acids. Strong oxidising substances.

10.6. Hazardous decomposition products

When heated, vapours/gases hazardous to health may be formed. in combustion emits toxic fumes

SECTION 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects**

Toxic Dose 1 - LD 50	> 6000 mg/kg (oral rat)
Toxic Dose 2 - LD 50	> 6000 mg/kg mg/kg (oral-mouse)
Acute Toxicity (Oral LD50)	> 5000 mg/kg Mouse
Acute Toxicity (Dermal LD50)	> 2000 mg/kg Rat
	Not sensitizing
	Ames tes t; Result negative
	Dominant lethal assay; Result: negative

Skin Contact

Not a skin sensitiser.

Eye Contact

eye rabbit not irritant

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SECTION 12: ECOLOGICAL INFORMATION**12.1. Toxicity**

Acute Toxicity - Fish	LC50 96 hours 66 mg/l Cyprinus carpio (Common carp) LC50 96 hours 42 mg/l Leuciscus idus (Golden orfe) Daphnia magna 24 hour; EC = 510 mg/l
Acute Toxicity - Aquatic Plants	NOEC 72 hours 75 mg/l Scenedesmus subspicatus EC50 72 hours > 75.2 mg/l Scenedesmus subspicatus
Acute Toxicity - Microorganisms	EC50 3 hours > 100 mg/l

12.2. Persistence and degradability

12.3. Bioaccumulative potential

Bioaccumulative Potential:

No data available on bioaccumulation.

Partition Coefficient > 6 log Pow

12.4. Mobility in soil**12.5. Results of PBT and vPvB assessment****12.6. Other adverse effects**

Not determined.

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SECTION 13: DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods**

Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

General	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).
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14.1. UN number**14.2 UN Proper shipping name****14.3 Transport hazard class(es)**

Transport Labels

No transport warning sign required.

14.4. Packing group**14.5. Environmental hazards**

Environmentally Hazardous Substance/Marine Pollutant

No.

14.6. Special precautions for user**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code****SECTION 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.2. Chemical Safety Assessment****SECTION 16: OTHER INFORMATION**

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