



JADEWIN

PRODUCT NAME

MATERIAL SAFETY DATA SHEET

JADEWIN

N11

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DATE PREPARED: June/30/2016
DATE REVISED : June/01/2017

1. CHEMICAL PRODUCTS AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER: JADEWIN N11
GENERAL USE: Nucleating agent
FORMULA: Substance

MANUFACTURER:

QINGDAO JADE NEW MATERIAL TECHNOLOGY CO.,LTD
Room 411, Building2, No318 Longshui Road, Licang District,
Qingdao, Shandong Province , China.

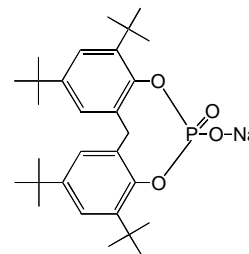
TEL: 86-0532-68077006 FAX: 86-0532-68077006

EMERGENCY TELEPHONE NUMBERS:

TEL: 86-0532-68077006

CHEMICAL NAME & STRUCTURE:

Sodium 2,2'-methylene-bis-(4,6-di-tert-butylphenyl)phosphate



2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT	%	CAS NO.	NOTE
Sodium 2,2'-methylene-bis-(4,6-di-tert-butylphenyl)phosphate	> 99	85209-91-2	none

OSHA HAZARDS	EXPOSURE GUIDELINE					
	OSHA PEL		ACGIH TLV			
	ppm	mg/m ³	TWA	STEL	ppm	mg/m ³
Not applicable						



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3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Odorless white powder.
May cause minimal skin irritation.
May cause mild eye irritation.

SKIN CONTACT:	May cause minimal irritation.
EYE CONTACT:	May cause mild irritation.
INHALATION:	No significant health hazards identified.
INGESTION:	No significant health hazards identified.
CHRONIC EFFECTS:	NTP: Not tested OSHA: Not regulated IARC: Not listed

4. FIRST AID MEASURES

SKIN CONTACT:	Wash with plenty of soap and water. Do not use organic solvents.
EYE CONTACT:	Flush immediately with large amount of water for at least 15 minutes.
INHALATION:	Move affected person to fresh air and call a physician.
INGESTION:	Don't induce vomiting because of risk of aspiration into the lungs. If aspiration is suspected obtain immediate medical attention.
NOTE TO PHYSICIAN:	None



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5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

FLASHPOINT & METHOD °F (°C) : > 464 (240) (Setaflash closed cup apparatus) ¹⁾

FLAMMABLE LIMITS (% by volume): No data available

AUTOIGNITION TEMPERATURE: No data available

EXTINGUISHING MEDIA: Water spray, foam, carbon dioxide or dry agents

SPECIAL FIRE-FIGHTING PROCEDURES: Do not use a straight stream of water.

FIRE-FIGHTING INSTRUCTIONS: Use self-contained breathing apparatus and full protective clothing for chemicals.

HAZARDOUS DECOMPOSITION PRODUCTS: Smoke, fumes, oxides of carbon and oxides of phosphorus and other toxic gases or vapours.

TO FIREMEN: Use self-contained breathing apparatus and full protective clothing for chemicals.

UNUSUAL HAZARDS: Explosive dust/air mixture may be formed.

6. ACCIDENTAL RELEASE MEASURES

LARGE SPILL: Incinerate or place in a suitable container for disposal by a licensed contractor. (Follow all Federal, State and local regulations in your country.)

SMALL SPILL: Sweep up or vacuum and place into sealable container for disposal with wearing protective equipment. (See section 8.)

7. HANDLING AND STORAGE

HANDLING: Avoid contact with skin and eyes. Keep container closed. Use with adequate ventilation. Do not eat, drink or smoke at the workplace. Prevent deposition of dust to avoid dust explosion. Employ grounding, venting and explosion relief provisions in accord with accepted engineering practices in process operations capable of generating dust and/or static electricity.

STORAGE: Keep away from food and drink. Store in the original container securely under cool and dry condition. Avoid contact with peroxides and oxidizing agents.



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8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

ENGINEERING CONTROLS: Avoid generating and inhaling dusts. Local exhaust ventilation should be used. Keep container closed when not in use.

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: Wear suitable particle filter mask when exposed to dust.

EYE PROTECTION: Safety glasses or splash goggles. Contact lenses should not be worn.

SKIN PROTECTION: Chemical protection suit and gloves.

BODY PROTECTION: Protective clothing should cover the whole body.

SPECIAL PROTECTION INFORMATION: No specific health hazards under normal conditions.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	White powder
ODOR:	Odorless
BOILING POINT, °F (°C):	No data available
MELTING POINT, °F (°C):	752°F (400°C)
VAPOR PRESSURE (Pa):	0.11 at 68°F(20°C)
SOLUBILITY IN WATER:	2.24 g/l at 67.1°F(19.5°C)
SPECIFIC GRAVITY:	1.18 at 68°F(20°C)
pH:	No data available
VISCOSITY (m•Pa):	Not applicable
VAPOR DENSITY (air=1):	No data available
EVAPORATION RATE:	No data available
(n-Butyl acetate=1)	



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10. STABILITY AND REACTIVITY

CHEMICAL STABILITY:

Stable under recommended conditions of storage and handling.

SUBSTANCES TO AVOID CONTAMINATION:

Oxidizing agents, peroxides, strong acid.

HAZARDOUS REACTION AND FIRE DANGER:

No risk of specific hazardous reactions of fire under normal condition.

PRODUCTS CAUSING HAZARDOUS DECOMPOSITION:

Decomposition products may include oxides of carbon and oxides of phosphorus and other toxic gases or vapours.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: Mild irritant (rabbit) ¹⁾

SKIN EFFECTS: Not irritant (rabbit) ¹⁾ Dermal LD₅₀ (rat) > 2000 mg/kg ¹⁾

ACUTE ORAL EFFECTS (LD₅₀):

Oral LD₅₀ (rat) > 2000 mg/kg (rat) ¹⁾

ACUTE INHALATION EFFECTS (LC₅₀):

No data available

CHRONIC EFFECTS/CARCINOGENICITY:

Not listed as a carcinogen by IARC, OSHA, NTP or the EPA.

MUTAGENICITY: Negative (Ames) ¹⁾

Negative (Chromosome aberration assay in Chinese hamster) ¹⁾

Negative (Gene mutation assay in Chinese hamster V79 cells in vitro) ¹⁾

OTHERS: :

Skin sensitization: Not sensitizing (guinea pig) ¹⁾

Subchronic toxicity: 90-day repeated oral toxicity study (rats): NOEL 500 mg/kg/day ¹⁾



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12. ECOLOGICAL INFORMATION

ECOTOXICITY:

ACUTE TOXICITY TO FISH (<i>Rainbow trout</i>)	LC ₅₀ (96 h)	12.0 mg/l ¹⁾
ACUTE TOXICITY TO DAPHNIA (<i>Daphnia magna</i>)	EC ₅₀ (48 h)	74.0 mg/l ¹⁾
ACUTE TOXICITY TO ALGAE (<i>Selenastrum sp.</i>)	EC ₅₀ (72 h)	16.4 mg/l ¹⁾

BIODEGRADABILITY: Not readily biodegradable ¹⁾

BIOACCUMULATIVE POTENTIAL: Bioconcentration factors; Equal to less than 2.1 in carp.

13. DISPOSAL CONSIDERATION

DISPOSAL INFORMATION: Should be in accordance with local, state or national legislation. Bury on an authorized landfill site or incinerate under approved controlled conditions.

14. TRANSPORTATION INFORMATION

UN NO.:	Free
IMDG CODE:	Free
MARINE POLLUTANT:	Free

15. REGULATORY INFORMATION

US FEDERAL REGULATION:

TSCA: TSCA Inventory registered not registered

SARA TITLE III

SECTION 313 TOXIC CHEMICALS:

COMPONENT	CAS RN	Wt%
Not applicable		



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INTERNATIONAL INFORMATION:

CEPA: DSL registered not registered

REACH(EU): If you require information, please contact us.

16. OTHER INFORMATION

RATING

HMIS:

HEALTH:	1
FLAMMABILITY	1
REACTIVITY	0
PERSONAL PROTECTIVE EQUIPMENT	E

NFPA:

HEALTH HAZARD	1
FLAMMABILITY	1
REACTIVITY	0
SPECIFIC HAZARD	None

REFERENCE 1) Our testing data

OTHERS

DATE REVISED: January/22/2004, December/20/2005

OTHERS: Precautionary Labeling

Signal word: Free

Statement of hazard: Free