

# SAFETY DATA SHEET

JADEWIN UV 360

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

### 1.1. Product identifier

Product name JADEWIN UV 360  
CAS-No. 103597-45-1  
EC No. 403-800-1

### 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*

## 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	Aquatic Chronic 4 - H413

Classification (1999/45/EEC)

R53.

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

### 2.2. Label elements

EC No. 403-800-1

Label In Accordance With (EC) No. 1272/2008

No pictogram required.

Hazard Statements

H413 May cause long lasting harmful effects to aquatic life.

Precautionary Statements

P501 Dispose of contents/container in accordance with national regulations.

Supplementary Precautionary Statements

P273 Avoid release to the environment.

### 2.3. Other hazards

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

## JADEWIN UV 360

2,2'-METHYLENEbis(6-(2H-BENZOTRIAZOL-2-YL)-4-(1,1,3,3-TETRAMETHYLBUTYL)PHENOL)		100%
CAS-No.: 103597-45-1	EC No.: 403-800-1	
Classification (EC 1272/2008) Aquatic Chronic 4 - H413	Classification (67/548/EEC) R53	

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

CAS-No. 103597-45-1

EC No. 403-800-1

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

General information

Get medical attention if any discomfort continues.

Inhalation

Move the exposed person to fresh air at once.

Ingestion

Immediately rinse mouth and drink plenty of water or milk. Keep person under observation. Do not induce vomiting. If vomiting occurs, keep head low. Transport immediately to hospital and bring along these instructions.

Skin contact

Wash the skin immediately with soap and water.

Eye contact

Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

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

Inhalation.

Inhalation of dusts during cutting, grinding or sanding of this product may cause irritation of the respiratory tract.

Ingestion

May cause discomfort if swallowed.

Skin contact

Prolonged skin contact may cause redness and irritation.

Eye contact

May cause temporary eye irritation.

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

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

Extinguishing media

Water spray, foam, dry powder or carbon dioxide.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

### 5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

Unusual Fire & Explosion Hazards

Forms explosive mixtures with air.

Specific hazards

Risk of dust explosion.

### 5.3. Advice for firefighters

Special Fire Fighting Procedures

If possible, fight fire from protected position. Be aware of risk of fire re-starting, and risk of explosion.

Protective equipment for fire-fighters

Wear full protective clothing. 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**

Wear protective clothing as described in Section 8 of this safety data sheet.

**6.2. Environmental precautions**

Do not discharge into drains, water courses or onto the ground. 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**

Avoid generation and spreading of dust. Collect with non-combustible absorbent material. Flush with water. Dike for large spills.

**6.4. Reference to other sections**

For waste disposal, see section 13.

**SECTION 7: HANDLING AND STORAGE**

**7.1. Precautions for safe handling**

Static electricity and formation of sparks must be prevented. Use explosion proof electric equipment. Eliminate all sources of ignition. Always remove grease with soap and water or skin cleaning agent, never use organic solvents. Avoid eating, drinking and smoking when using the product. Provide good ventilation. Avoid inhalation of dust and contact with skin and eyes. Avoid spreading dust.

**7.2. Conditions for safe storage, including any incompatibilities**

Keep separate from food, feedstuffs, fertilisers and other sensitive material. Keep away from heat, sparks and open flame. Keep in original container. Prolonged contact with air may cause formation of explosive peroxides.

**7.3. Specific end use(s)**

Usage Description

Must only be kept in original packaging

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. Control parameters**

**8.2. Exposure controls**

Protective equipment



Process conditions

Provide eyewash, quick drench.

Engineering measures

Explosion-proof general and local exhaust ventilation. Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of dust.

Respiratory equipment

In case of inadequate ventilation and work of brief duration, use suitable respiratory equipment.

Hand protection

The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

Eye protection

Wear tight-fitting goggles or face shield.

Other Protection

Provide eyewash station and safety shower.

Hygiene measures

Wash hands after contact. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Provide shower facilities near the work place.

Skin protection

Wear apron or protective clothing in case of contact.

Environmental Exposure Controls

Keep container tightly sealed when not in use.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1. Information on basic physical and chemical properties**

Appearance	LIGHT YELLOW POWDER
Colour	Yellowish
Odour	Odourless.
Solubility	< 0.007 mg/l
Initial boiling point and boiling range	
Not applicable.	
Melting point (°C)	192.00-198.00
Relative density	1.2 g/cm <sup>3</sup> 20 C
Vapour pressure	< 610E-13 Pa 25
Decomposition temperature (°C)	> 150 C
Flash point	
Not applicable.	
Auto Ignition Temperature (°C)	
Not applicable.	
Partition Coefficient (N-Octanol/Water)	log Pow 12.7 (20 - 25 C)
Explosive properties	
during product manipulation, dust can form explosive mixture with qir	
Oxidising properties	
Does not meet the criteria for oxidising.	

**9.2. Other information**

Mol. Weight 659

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

Stable under normal temperature conditions and recommended use. Stable under normal temperature conditions. Avoid Heat, sparks, flames.

**10.3. Possibility of hazardous reactions****10.4. Conditions to avoid**

Strong alkalis. Strong oxidising agents. Avoid contact with acids.

**10.5. Incompatible materials**

Materials To Avoid

Strong acids. Strong alkalis. Strong oxidising substances.

**10.6. Hazardous decomposition products**

In case of fire, toxic gases (CO, CO<sub>2</sub>, NO<sub>x</sub>) may be formed.

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

Toxic Dose 1 - LD 50

> 2000 mg/kg (oral rat)

Toxic Dose 2 - LD 50

> 2000 mg/kg (dermal-rbt)

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

LC 50, 96 Hrs, Fish mg/l > 12.7 mg/l

EC 50, 48 Hrs, Daphnia, mg/l > 50.2 mg/l

Acute Toxicity - Aquatic Plants

EC50 72 hours > 2.0 mg/l Freshwater algae

**12.2. Persistence and degradability****12.3. Bioaccumulative potential**

Partition coefficient

log Pow 12.7 (20 - 25 C)

**12.4. Mobility in soil****12.5. Results of PBT and vPvB assessment****12.6. Other adverse effects****SECTION 13: DISPOSAL CONSIDERATIONS**

General information

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

**13.1. Waste treatment methods**

Incinerate in suitable combustion chamber.

**SECTION 14: TRANSPORT INFORMATION**

General

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

**14.1. UN number**

Not applicable.

**14.2. UN proper shipping name**

Not applicable.

**14.3. Transport hazard class(es)**

Transport Labels

No transport warning sign required.

**14.4. Packing group**

Not applicable.

**14.5. Environmental hazards**

Environmentally Hazardous Substance/Marine Pollutant

No.

**14.6. Special precautions for user**

Not applicable.

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

**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**

Revision Date

15/01/2016

Revision

1

JADEWIN UV 360

Risk Phrases In Full

R53

May cause long-term adverse effects in the aquatic environment.

Hazard Statements In Full

H413

May cause long lasting harmful effects to aquatic life.