

SAFETY DATA SHEET

JADEWIN UV 1130



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

1.1. Product identifier

Product name JADEWIN UV 1130

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

QINGDAO JADE NEW MATERIAL TECHNOLOGY CO.,LTD

Room 411, Building2, No318 Longshui Road,
Licang District, Qingdao, Shandong Province, China

For Emergency Health Information call, (0086) 18561336360

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. 400-830-7 and 500-038-2

Contains Mass of Poly(oxy-1,2-ethanediyl), alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega

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

Not classified.

Hazard Statements

H413	May cause long lasting harmful effects to aquatic life.
------	---

Precautionary Statements

P273	Avoid release to the environment.
P501	Dispose of contents/container to ...

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-hydroxy Poly(oxy-1,2-ethanediyl).		50%
CAS-No.: 104810-48-2	EC No.: 400-830-7	
Classification (EC 1272/2008) Aquatic Chronic 4 - H413	Classification (67/548/EEC) R53.	
alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega-alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]Poly(oxy-1,2-ethanediyl).		38%
CAS-No.: 104810-47-1	EC No.: 400-830-7	
Classification (EC 1272/2008) Aquatic Chronic 4 - H413	Classification (67/548/EEC) R53.	
Polyethylene glycol		12%
CAS-No.: 25322-68-3	EC No.: 500-038-2	
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.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation

Remove victim immediately from source of exposure. Fresh air and rest. Get medical attention.

Ingestion

Rinse nose, mouth and throat with water. Get medical attention.

Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. Consult a physician for specific advice.

Eye contact

Continue to rinse for at least 15 minutes and get medical attention.

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

Inhalation.

Coughing, chest tightness, feeling of chest pressure.

Ingestion

there may be soreness and redness of the mouth and throat

Skin contact

Skin irritation.

Eye contact

Irritating and may cause redness and pain. Profuse watering of the eyes.

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

P363
P391

Wash contaminated clothing before reuse.
Collect spillage.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Use fire-extinguishing media appropriate for surrounding materials. Fire can be extinguished using: Water spray. Foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

In case of fire, toxic gases (CO, CO₂, NO_x) may be formed.

5.3. Advice for firefighters

Protective equipment for fire-fighters

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. Contain spillages with sand, earth or any suitable adsorbent material.

6.3. Methods and material for containment and cleaning up

Absorb in vermiculite, dry sand or earth and place into containers.

6.4. Reference to other sections

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Provide good ventilation. Avoid eating, drinking and smoking when using the product. Eliminate all sources of ignition.

7.2. Conditions for safe storage, including any incompatibilities

Keep in original container. Store in tightly closed original container in a dry and cool place.

7.3. Specific end use(s)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

8.2. Exposure controls

Protective equipment



Respiratory equipment

If ventilation is insufficient, suitable respiratory protection must be provided. Gas filter for gases/vapour of organic compounds (boiling pt > 65C, e.g. EN 14387 Type A)

Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Suitable materials also with prolonged, direct contact. Recommended Protection Index = 6, corresponding to > 480 minutes of permeation time to EN 374 e.g. nitrile rubber (0.4mm), chloroprene rubber (0.5mm), PVC (0.7mm). Specifications based on tests, literature data and information of glove manufacturers.. Other conditions such as temperature must be considered. Practical use in practice may be shorter than the stated permeation time stated. Manufacturers directions for use must always be followed.

Eye protection

Use safety goggles and face shield in case of splash risk. Standard EN 166.

Other Protection

Provide eyewash station and safety shower. Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Wash hands after handling. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Eating, smoking and water fountains prohibited in immediate work area. DO NOT SMOKE IN WORK AREA!

Skin protection

Protection suit must be worn. To standard EN 14605 in case of splashes.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Clear liquid.
Colour	Colourless to pale yellow.
Odour	Odourless.
Solubility	Slightly soluble in water.
Initial boiling point and boiling range	166 kPa
Melting point (°C)	-40
Relative density	1.17 g/cm ³
Vapour pressure	0.00009 Pa 25
Viscosity	7400
Solubility Value (G/100G H ₂ O@20° C)	0.0077
Decomposition temperature (°C)	>250
Flash point	114
Auto Ignition Temperature (°C)	405

9.2. Other information

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Not applicable.

10.4. Conditions to avoid

Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

Materials To Avoid

Strong oxidising substances. Strong acids.

10.6. Hazardous decomposition products

When heated, toxic and corrosive vapours/gases may be formed.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity:

Acute Toxicity (Oral LD50)

> 5000 mg/kg Rat

Acute Toxicity (Dermal LD50)

> 2000 mg/kg Rat

Acute Toxicity (Inhalation LC50)

> 5800 mg/l (vapours) Rat 4 hours

Respiratory or skin sensitisation:

May cause sensitization by skin contact

Germ cell mutagenicity:

No genotoxic potential

Carcinogenicity:

Carcinogenicity

Data lacking.

Reproductive Toxicity:

Reproductive Toxicity - Fertility

Not determined.

Specific target organ toxicity - single exposure:

None expected

Specific target organ toxicity - repeated exposure:

Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard:

None expected

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Acute Fish Toxicity

ALGAE ZEBRA FISH EC50 > 2.0 mg/l; BACTERIA ZEBRA FISH IC50 > 100mg/l; DAPHNIA ZEBRA FISH EC50 > 100 mg/l; FISH ZEBRA FISH LC50 > 58 mg/l

12.2. Persistence and degradability

Degradability

The product is not readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

12.4. Mobility in soil

Mobility:

The product has poor water-solubility.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

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. Uncontaminated containers can be reused - otherwise dispose of in the same way as contents.

Waste Class

EWC 07 02 08

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**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**

EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

15.2. Chemical Safety Assessment**SECTION 16: OTHER INFORMATION**

Revision Date	19/03/2012
Revision	1
Risk Phrases In Full	
R43	May cause sensitisation by skin contact.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Hazard Statements In Full	
H317	May cause an allergic skin reaction.
H411	Toxic to aquatic life with long lasting effects.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.