

SAFETY DATA SHEET

JADEWIN LS 622

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

1.1. Product identifier

Product Name JADEWIN LS 622
Product No. JADEWIN
CAS-No. 65447-77-0

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 3 - H412

Classification (1999/45/EEC)

R52/53.

2.2. Label elements

Contains: Poly(4-hydroxy-2,2,6,6-tetramethyl-1-piperidine ethanol-alt-1,4-butanedioic acid)

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

Not classified.

Hazard Statements

H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements

P501 Dispose of contents/container to ...

Supplementary Precautionary Statements

P273 Avoid release to the environment.

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Poly(4-hydroxy-2,2,6,6-tetramethyl-1-piperidine ethanol-alt-1,4-butanedioic acid)		100%
CAS-No.: 65447-77-0	EC No.: 1272/2008	
Classification (EC 1272/2008) Aquatic Chronic 3 - H412	Classification (67/548/EEC) R52/53.	

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

CAS-No. 65447-77-0

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation.

Remove victim immediately from source of exposure. Get medical attention.

Ingestion

wash out mouth with water DO NOT INDUCE VOMITING! Immediately rinse mouth and drink plenty of water (200-300 ml). Get medical attention immediately!

Skin Contact

Remove contaminated clothing immediately and wash skin with soap and water.

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 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. Extinguish with alcohol-resistant foam, carbon dioxide or dry powder. Water spray.

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 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. Avoid inhalation of dust and vapours. Do not smoke, use open fire or other sources of ignition.

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

Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

6.4. Reference to other sections

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Provide good ventilation. Avoid handling which leads to dust formation. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

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

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



Engineering Measures

Provide sufficient ventilation during operations which cause vapour formation.

Respiratory Equipment

Use respiratory equipment with particle filter, type P1. Self-contained breathing apparatus.

Hand Protection

Wear protective gloves.

Eye Protection

Wear approved safety goggles.

Other Protection

Provide eyewash station and safety shower.

Hygiene Measures

Wash hands after contact. Wash at the end of each work shift and before eating, smoking and using the toilet.

Skin Protection

Wear apron or protective clothing in case of contact.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	WHITE GRANULAR
Colour	White / off-white
Odour	Odourless
Initial Boiling Point and Boiling Range:	50 - 70
Vapour Pressure	2.5 E-9 Pa
pH-Value, Conc. Solution	6.3
Flash Point (°C)	> 250
Partition Coefficient (N-Octanol/Water)	5.2
Other Flammability	
Autoflammability	370 C

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**10.4. Conditions to avoid**

Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials To Avoid

Strong oxidising substances. Strong acids. Strong alkalis.

10.6. Hazardous decomposition products

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

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

Toxic Dose 1 - LD 50 > 2000 mg/kg (oral rat)
Not Sensitising.

Skin Contact

Not a skin sensitiser.

Eye Contact

eye rabbit not irritant

Name

Poly(4-hydroxy-2,2,6,6-tetramethyl-1-piperidine ethanol-alt-1,4-butanedioic acid)

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

Acute Toxicity - Fish LC50 96 hours 25 mg/l Brachydanio rerio (Zebra Fish)
Daphnia magna 24 hours; 25 mg/l
IC 50, 72 Hrs, Algae, mg/l > 100
Acute Toxicity - Aquatic Plants EC50 72 hours > 100 Scenedesmus subspicatus
Acute Toxicity - Microorganisms EC50 3 hours > 100 mg/l Activated sludge

12.2. Persistence and degradability

Biodegradation

No significant reaction in water.

12.3. Bioaccumulative potential

Partition Coefficient 5.2

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

Name

Poly(4-hydroxy-2,2,6,6-tetramethyl-1-piperidine ethanol-alt-1,4-butanedioic acid)

SECTION 13: DISPOSAL CONSIDERATIONS

General Information

Waste is suitable for incineration.

13.1. Waste treatment methods

Confirm disposal procedures with environmental engineer and local regulations.

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

Water Hazard Classification

WGK 1

15.2. Chemical Safety Assessment

SECTION 16: OTHER INFORMATION

Revision Date 08/07/2016

Revision 3

Supersedes Date 08/07/2016

Risk Phrases In Full

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard Statements In Full

H412 Harmful to aquatic life with long lasting effects.