

## Wood Reviver

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name and/or code : Wood Reviver 407  
 Manufacturer : Biohouse (Shanghai) Co., Ltd.  
 16E, Building #2, 515 Yishan Rd., Shanghai, PRChina  
 Emergency phone number : 0086-21-6451 7227  
 E – Mail : info@biohouse.cn  
 Distributor : Not available.  
 Product use : Wood reviver

### 2. HAZARDS IDENTIFICATION

Hazard description : Not applicable.  
 Information concerning particular hazards for human and

Classification system : The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization

Description : Mixture of substances listed below with nonhazardous additions.

Dangerous components:			
CAS: 144-62-7	oxalic acid	Xn; R 21/22	2.5 – 5%

Labelling for contents	
OXALIC ACID	< 5%

Additional information : For the wording of the listed risk phrases refer to section 16.

### 4. FIRST AID MEASURE

General information : Immediately remove any clothing soiled by the product.  
 After inhalation: Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.  
 In case of unconsciousness place patient stably in side position for transportation.

After skin contact : Immediately wash with water and soap and rinse thoroughly.

After eye contact : Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing : Drink plenty of water and provide fresh air. Call for a doctor immediately.

### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing agents : CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Protective equipment : Mouth respiratory protective device.

### 6. ACCIDENTAL RELEASE MEASURE

Person-related safety precautions : Wear protective equipment. Keep unprotected persons away.

Measure for environmental protection : Dilute with plenty of water.  
 Do not allow to enter sewers/surface or ground water.

Measures for cleaning/collecting : Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
 Dispose contaminated material as waste according to item 13.

Additional information : No dangerous substances are released.

### 7. HANDING AND STORAGE

Handing: : Keep receptacles tightly sealed.  
 Information for safe handing : When diluting always pour product into water and not vice versa.

Information about fire-and explosion protection : No special measures required.

Storage: : Unsuitable material for receptacle: aluminium.  
 Unsuitable material for receptacle: steel.  
 Store only in the original receptacle.

Information about storage in one common storage facility : Do not store together with alkalis (caustic solutions).  
 Store away form oxidizing agents.  
 Store away form reducing agents.

Further information about storage conditions : Protect form frost.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Additional information about design of technical facilities : No further data; see item 7.

<b>Ingredients with limit values that require monitoring at the workplace:</b>	
<b>144-62-7 oxalic acid(2.5-5%)</b>	
WEL	Short-term value: 2 mg/m <sup>3</sup> Long-term value: 1 mg/m <sup>3</sup>

Additional information : The lists valid during the making were used as basis.

Personal protective equipment: : Immediately remove all soiled and contaminated clothing.  
 General protective and hygienic measures : Keep away form foodstuffs, beverages and feed.  
 Avoid contact with the eyes and skin.  
 Do not eat or drink while working.  
 Do not carry product impregnated cleaning cloths in trouser pockets.

Respiratory protection : Use suitable respiratory protective device only when aerosol or mist is formed.

Protection of hands : Protective gloves  
 Check protective gloves prior to each use for their proper condition.  
 Preventive skin protection by use of skin-protecting agents is recommended.  
 The glove material has to be impermeable and resistant to the product / the substance / the preparation.

Material of gloves : Nitrile rubber, NBR

Penetration time of glove material : The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the permanent contact gloves made of the following materials are suitable : Nitrile rubber, NBR

As protection form splashes gloves made of the following materials are suitable : Nitrile rubber, NBR

Eye protection : Goggles recommended during refilling

Body protection : Acid resistant protective clothing

**9. PHYSICAL AND CHMICAL PROPERTIES**

<b>General Information</b>	
<b>Form:</b>	Fluid
<b>Colour:</b>	Colourless
<b>Odour:</b>	Characteristic
<b>Change in condition</b>	
<b>Melting point / Melting range:</b>	0°C
<b>Boiling point / Boiling range:</b>	100°C
<b>Flash point:</b>	Not applicable.

<b>Self-igniting:</b>	Product is not selfigniting.
<b>Danger of explosion:</b>	Product does not present an explosion hazard.
<b>Vapour pressure at 20°C:</b>	23 hPa
<b>Density at 20°C:</b>	1 g/cm3
<b>Solubility in / Miscibility with water:</b>	Fully miscible
<b>pH-value at 20°C:</b>	2

**10. STABILITY AND REACTIVITY**

Thermal decomposition / conditions to be avoided : No decomposition if used according to specifications.

Dangerous reactions : No dangerous reactions known.

Dangerous decomposition products : No dangerous decomposition products known.

**11. TOXICOLOGICAL INFORMATION**

Acute toxicity:

<b>LD / LC50 values relevant for classification:</b>		
<b>144-62-7 oxalic acid</b>		
Oral	LD50	375 Mg/kg (rat)

Primary irritant effect: on the skin : Irritant to skin and mucous membranes.

on the eye : Irritating effect.

Sensitisation : No sensitising effects known.

Additional toxicological information : The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of oesophagus and stomach.

**12. ECOLOGICAL INFORMATION**

General notes : Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**13. DIPOSAL CONSIDERATIONS**

Product recommendation : Must not be disposed together with household garbage.

Uncleaned packaging Recommendation : Disposal must be made according to official regulations.

Recommended cleansing agents : Water, if necessary together with cleansing agents.

**14. TRANSPORT INFORMATION**

<b>Land transport ADR / RID (cross-border)</b>	
<b>ADR / RID class:</b>	-
<b>Maritime transport IMDG:</b>	
<b>IMDG Class:</b>	-
<b>Marine pollutant:</b>	No
<b>Air transport ICAO-TI and IATA-DGR:</b>	

ICAO / IATA Class:	-
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**15. REGULATORY INFORMATION****Labelling**

: Observe the general safety regulations when handling chemicals.  
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials.

**Safety phrases:**

- 2 Keep out of the reach of children.
- 24/25 Avoid contact with skin and eyes.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
- 46 If swallowed, seek medical advice immediately and show this container or label.

**16. OTHER INFORMATION****Relevant R-phrases**

21/22 Harmful in contact with skin and if swallowed.

**Notice to reader**

The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties