1. Chemical Product and company Identification
Product Name: 木蝴蝶苷A
English Name: Oroxin A
Catalogue No: 57396-78-8
Supplier: Chengdu Biopurify Phytochemicals Ltd.
Address: No. 11 Building, No. 388 Rongtaidadao CNSTP, Wenjiang Zone, Chengdu Sichuan 611130 China
Tel: +86-28-82633987 Fax: +86-28-82633165
Website: www.phytopurify.com
Email: service@phytopurify.com

2. Composition, Information on Ingredients
Alias: Baicalein-7-O-glucoside
CAS Number: 57396-78-8
Mol. Formula: C21H20O10
Mol. Weight: 432.381
Identified uses: Laboratory chemicals, for R&D
Storage: Room temperature for transportation, for long term storage, protected from strong light, keep package airproofed when not in use.

3. Hazards identification
Classification of the substance or mixture
Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008
This substance is not classified as dangerous according to Directive 67/548/EEC.
Label elements
Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.
Other hazards -
The chemical, Physical and toxicological properties of this product have not been thoroughly investigated. Use appropriate procedures to prevent opportunities for direct contact with the skin or eyes and to prevent inhalation.

4. First-aid measures
If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a doctor.
- In case of skin contact
  Wash off with soap and plenty of water. Consult a doctor.
- In case of eye contact
  Flush eyes with water as a precaution. Consult a doctor.
- If swallowed
  Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a doctor.
Indication of any immediate medical attention and special treatment needed
No data available
Show this safety data sheet to the doctor in attendance.
Immediate medical attention is required.

5. Fire-fighting measures
Conditions of flammability
Not flammable or combustible.
Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special protective equipment for firefighters
Wear self contained breathing apparatus for fire fighting if necessary. Hazardous combustion products Hazardous decomposition products formed under fire conditions. - Carbon oxides

6. Accidental release measures
Personal precautions
Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. Environmental precautions
Do not let product enter drains.
Methods and materials for containment and cleaning up
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. Handling and storage
Handling:
Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Keep away from sources of ignition. Avoid prolonged or repeated exposure.
Storage:
Store in a well closed container. Protected from air and light, put into refrigerate or freeze for long term storage.
Specific end uses
Use in a laboratory fume hood where possible. Refer to employer is COSHH risk assessment.

8. Exposure controls, personal protection
Contains no substances with occupational exposure limit values.
Personal protective equipment
Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type F3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
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.
Eye protection
Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin and body protection
Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Hygiene measures
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. Physical and chemical properties
Physical Description :

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>No information available</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>No information available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No information available</td>
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<tr>
<td>Flash point</td>
<td>No information available</td>
</tr>
<tr>
<td>Density</td>
<td>1.642±0.06 g/cm³ (20°C 760 Torr)</td>
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<tr>
<td>Evaporation rate</td>
<td>No information available</td>
</tr>
<tr>
<td>Upper flammability limits</td>
<td>No information available</td>
</tr>
<tr>
<td>Lower flammability limit</td>
<td>No information available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No information available</td>
</tr>
</tbody>
</table>
Vapor density: No information available
Specific gravity: No information available
Water solubility: No information available
Solubility in other solvents: No information available
Partition coefficient: No information available
Autoignition temperature: No information available
Kinematic viscosity: No information available
Decomposition temperature: No information available
Explosive properties: No information available
Oxidizing properties: No information available

10. Stability and reactivity
   Chemical stability
   Stable under recommended storage conditions.
   Possibility of hazardous reactions
   no data available
   Conditions to avoid
   no data available
   Materials to avoid
   Strong oxidizing agents
   Hazardous decomposition products
   Hazardous decomposition products formed under fire conditions. - Carbon oxides
   Other decomposition products - no data available

11. Toxicological information
   Acute toxicity
   Oral LD50: no data available
   Inhalation LC50: no data available
   Dermal LD50: no data available
   Other information on acute toxicity: no data available
   no data available
   Serious eye damage/eye irritation
   no data available
   Respiratory or skin sensitisation
   no data available
   Germ cell mutagenicity
   no data available
   Carcinogenicity
   IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
   ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
   NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
   OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
   Reproductive toxicity
   no data available
   Teratogenicity
   no data available
   Specific target organ toxicity - single exposure (Globally Harmonized System)
   no data available
   Specific target organ toxicity - repeated exposure (Globally Harmonized System)
   no data available
   Aspiration hazard
   no data available
   Potential health effects
   Inhalation May be harmful if inhaled. Causes respiratory tract irritation.
   Ingestion May be harmful if swallowed.
   Skin May be harmful if absorbed through skin. Causes skin irritation.
   Eyes May be caused eye irritation.
   Synergistic effects
   no data available
12. Ecological information
   Toxicity
   no data available
   Persistence and degradability
   no data available
   Bioaccumulative potential
   no data available
   Mobility in soil
   no data available
   PBT and vPvB assessment
   no data available
   Other adverse effects
   no data available

13. Disposal considerations
   Product
   Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed
   professional waste disposal service to dispose of this material.
   Contaminated packaging
   Dispose of as unused product.

14. Transport information
   Classified according to the criteria of the UN Model Regulations as reflected in the IMDG Code, ADR,
   RID and IATA.
   UN number
   Does not meet the criteria for classification as hazardous for transport.
   UN proper shipping name
   ADR/RID: Not dangerous goods
   IMDG: Not dangerous goods
   IATA: Not dangerous goods
   Transport hazard class(es)
   Does not meet the criteria for classification as hazardous for transport.
   Packaging group
   Does not meet the criteria for classification as hazardous for transport.
   Environmental hazards
   This product is not classified as environmentally hazardous according to the UN Model Regulations, nor
   a marine pollutant according to the IMDG Code.
   Special precautions for user
   no data available

15. Regulatory information
   This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.
   Safety, health and environmental regulations/legislation specific for the substance or mixture
   no data available
   Chemical Safety Assessment
   For this product a chemical safety assessment was not carried out

16. Other information
   DISCLAIMER
   For R&D use only. Not for drug, household or other uses.
   WARRANTY
   The above information is believed to be correct but does not purport to be all inclusive and shall be
   used only as a guide. The information in this document is based on the present state of our knowledge
   and is applicable to the product with regard to appropriate safety precautions. It does not represent
   any guarantee of the properties of the product. Biopurify and its Affiliates shall not be held liable
   for any damage resulting from handling or from contact with the above product. See www.phytopurify.com
   and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.