

## Safety Data Sheet

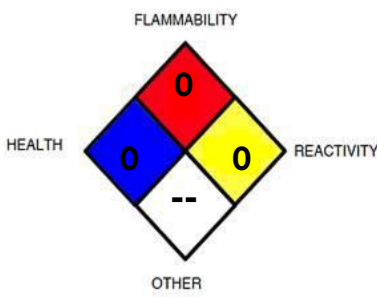
### Section 1: Product & Company Identification

<b>Product Name:</b>	Quercetin-3-beta-D-Glucoside
<b>Product #:</b>	Q-1118
<b>Synonyms:</b>	Isoquercitrin; Quercetin 3-b-D-glucopyranoside
<b>Supplier:</b>	AG Scientific Holdings, LLC 9950 Scripps Lake Drive, Suite 104 San Diego CA 92131 Tele# + 858-452-9925
<b>Emergency Tele#:</b>	ChemTel, Tele# in USA 1-800-255-3924, International 1-813-248-0585

### Section 2: Composition / Information on Ingredients

Component	CAS#	EC #	% Composition
Quercetin-3-beta-D-Glucoside	21637-25-2	-	≥98

### Section 3: Hazards Identification

<b>Symbols</b>	N/A
<b>HMIS Classification</b>	<p style="text-align: center;">FLAMMABILITY</p>  <p style="text-align: center;">HEALTH      REACTIVITY</p> <p style="text-align: center;">OTHER</p>

<b>NFPA Classification</b>	
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## Section 4: First Aid Measures

<b>General Overview:</b>	Treat symptomatically.
<b>Inhalation:</b>	Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Call a physician.
<b>Skin:</b>	Wash immediately with plenty of water and soap for at least 15 minutes. Remove contaminated clothing and shoes. Wash contaminated clothes before reuse. Call a physician.
<b>Eyes:</b>	Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.
<b>Ingestion:</b>	Wash out mouth with water provided person is conscious. Call a physician. See section 11 for more detailed information on health effects & symptoms.

## SECTION 5: Fire Fighting Measures

<b>Flammability of the product:</b>	No data available
<b>Extinguishing Media:</b>	Foam, dry extinguishing powder, carbon dioxide (CO <sub>2</sub> ), water spray jet
<b>Hazardous thermal (de)composition products:</b>	Toxic fumes
<b>Special Fire Fighting Procedures:</b>	Wear a self-contained breathing apparatus and chemical protective clothing. Do not inhale explosion and combustion gases. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.
<b>Flash Point:</b>	No data available

## Section 6: Accidental Release Measures





<b>Personal Precautions:</b>	Wear breathing apparatus if exposed to vapors/dusts/aerosols. Provide adequate ventilation.
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<b>Environmental Precautions:</b>	Do not allow to enter soil/subsoil. Do not allow to enter surface water or drains. Ensure all wastewater is collected and treated via a wastewater treatment plant.
<b>Methods for Clean-up:</b>	Collect in closed and suitable containers for disposal. Clear contaminated areas thoroughly. Ventilate affected area.

## SECTION 7: Handling & Storage

<b>Storage:</b>	store at <-15°C
<b>Handling:</b>	Avoid contact with skin, eyes, and clothing. Avoid ingestion and inhalation. Avoid prolonged or repeated exposure. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling.

## SECTION 8: Exposure controls / Personal Protection

<b>Respiratory Protection:</b>	 <p>Wear NIOSH/MSHA or European Standard EN 149 approved respirator.</p>
<b>Skin and Body:</b>	  <p>Wear compatible chemical-resistant gloves and clothing to prevent skin exposure.</p>
<b>Eyes:</b>	 <p>Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA.</p>

<b>Ventilation/Engineering Measures:</b>	Mechanical exhaust required.
<b>Hygiene:</b>	Handle in accordance with good industrial hygiene and safety practice.
<b>Other:</b>	N/A

## SECTION 9: Physical and Chemical Properties

<b>Appearance &amp; Odor:</b>	Yellow powder
<b>Formula</b>	C <sub>21</sub> H <sub>20</sub> O <sub>12</sub>
<b>Molecular Wt.</b>	464.38
<b>Melting Pt.</b>	226.00°C
<b>Boiling Pt.</b>	916.30°C
<b>Density:</b>	No data available
<b>Vapor Pressure:</b>	No data available
<b>Evaporation Rate:</b>	No data available
<b>Vapor Density:</b>	No data available
<b>Solubility:</b>	No data available
<b>Flash Point:</b>	No data available
<b>Autoignition Temp:</b>	No data available

## SECTION 10: Stability and Reactivity

<b>Stability:</b>	Stable under recommended storage conditions.
<b>Hazardous decomposition products:</b>	Carbon dioxide (CO <sub>2</sub> ), carbon monoxide
<b>Materials to Avoid:</b>	Strong oxidizers
<b>Conditions to avoid:</b>	No data available

## SECTION 11: Toxicological Information

<b>RTECS#:</b>	N/A
<b>ACUTE Toxicity:</b>	N/A
<b>CHRONIC Toxicity:</b>	N/A
<b>Chronic Exposure:</b> <b>Carcinogen:</b> <b>Mutagen:</b> <b>Teratogen:</b> <b>Reproductive:</b>	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. AGGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, potential human carcinogen by ACGIH.

	<p>NTP: No component of this product present at levels greater than or equal to 0.1% is identified as known or anticipated human carcinogen by NTP.</p> <p>OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as known or potential human carcinogen by OSHA.</p> <p>EPA: No classification on carcinogenic data is available from EPA</p>
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## SECTION 12: Ecological Information

<b>Ecotoxicity:</b>	No data available
<b>Mobility:</b>	No data available
<b>Persistence and degradability:</b>	No data available
<b>Bioaccumulative potential:</b>	No data available
<b>Other adverse effects:</b>	No data available
<b>Corrosivity Characteristic:</b>	No data available
<b>General Notes:</b>	To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

## SECTION 13: Disposal Considerations

<b>Residue Waste or Unused product:</b>	Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and Exhaust air. Dispose of waste according to laws applicable.
<b>Contaminated Packaging:</b>	Dispose of as unused product.

## SECTION 14: Transportation Information

<b>UN ID#:</b>	N/A
<b>ADR / RID (LAND):</b>	Not regulated
<b>DOT regulations:</b>	Not regulated
<b>IMDG/IMO (SEA):</b>	Not regulated
<b>IATA/DGR (AIR):</b>	Not regulated
<b>Special Provisions:</b>	N/A

## SECTION 15: Regulatory Information

<b>Health Phrases:</b>	N/A
<b>Risk Phrases:</b>	P261 Avoid breathing dust/fume/gas/mist/vapors/spray. P262 Do not get in eyes, on skin, or on clothing.
<b>Safety Phrases:</b>	N/A

<b>EU Regulations:</b>	N/A
<b>US Regulations:</b>	TSCA: Listed California Proposition 65: Not listed
<b>U.S. Federal Regulations:</b>	SARA 302/304/311/312 extremely hazardous substances: No products were found SARA 302/304 emergency planning and notification: No products were found. SARA 302/304/311/312 hazardous chemicals: No products were found. SARA 311/312 MSDS distribution-chemical inventory-hazard identification: No products were found. SARA 313 toxic chemicals notification and release reporting: No products were found.  Clean Water Act (CWA) 307: No products were found. Clean Water Act (CWA) 311: No products were found. Clean Air Act (CAA) 112 accidental release prevention: No products were found. Clean Air Act (CAA) 112 regulated flammable substances: No products were found. Clean Air Act (CAA) 112 regulated toxic substances: No products were found. OSHA: No products were found.
<b>WHMIS (Canada):</b>	N/A

## SECTION 16: Other Information

**LIABILITY STATEMENT:** *The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. AG Scientific shall not be held liable for any damages resulting from handling or from contact with the above product. AG Scientific products are for research purposes only. Not for human use or consumption.*