

Material Safety Data Sheet

Section 1: Product Information	
Product Name: NWLSS™ Antioxidant Reductive Capacity Assay	
Product Number: NWK-ARC01	
Manufacturer's Information:	
Company Name:	Northwest Life Science Specialties, LLC
Address:	5131 NE 94th Avenue Vancouver, WA 98683
Emergency Phone:	888-449-3091, 360-449-3091
Section 2: Components	
<u>Part Description</u>	<u>Quantity</u>
Assay Dilution Buffer (Containing Bathocuprione Disulfonic Acid):	60 mL
Copper Sulfate Solution (Cu++)	5 mL
Uric Acid Standard (Lyophilized):	2 mL (reconstituted volume)
Stop Solution Containing EDTA:	5 mL
Section 3: Hazardous Ingredients	
<u>Known Hazardous Components:</u>	<u>CAS Number</u>
Bathocuprione	4733-39-5
Copper Sulfate	7758-98-7
Uric Acid	69-93-2
EDTA	60-00-4
Section 4: Fire and Explosion Data	
None of the components of this product pose a significant risk in case of fire. Fire fighting media should be selected as appropriate to surrounding fire conditions. Firefighters should wear suitable protective gear to limit exposure possibilities including inhalation.	
Section 5: Stability and Reactivity	
The unopened product is stable until the date indicated on the label if stored as specified. Individual and reconstituted components are stable as specified in the product insert. There are no known hazardous reactions between these components.	
Section 6: Toxicological Information	
Assay Dilution Buffer: LD50: None established	
Acute Effects: Toxicity has not been thoroughly investigated. May be toxic if swallowed. May cause sensitization by skin contact. Moderately irritating to the skin. Moderately irritating to the eyes.	
Chronic Adverse Effects: May be harmful by inhalation, ingestion or absorption through skin.	

Copper Sulfate Solution:	LD50: None Established
	<p>Acute Effects: Toxicity has not been thoroughly investigated. May be toxic if swallowed. May cause sensitization by skin contact. Moderately irritating to the skin. Moderately irritating to the eyes.</p> <p>Adverse Effects: May be harmful by inhalation, ingestion or absorption through skin.</p>
Uric Acid Standard:	LD50: None Established
	<p>Acute Effects: Toxicity has not been thoroughly investigated. May be toxic if swallowed. May cause sensitization by skin contact. Moderately irritating to the skin. Moderately irritating to the eyes.</p> <p>Adverse Effects: May be harmful by inhalation, ingestion or absorption through skin.</p>
Stop Solution Containing EDTA:	LD50: None Established
	<p>Acute Effects: Toxicity has not been thoroughly investigated. May be toxic if swallowed. May cause sensitization by skin contact. Moderately irritating to the skin. Moderately irritating to the eyes.</p> <p>Adverse Effects: May be harmful by inhalation, ingestion or absorption through skin.</p>
Section 7: Preventive Measures / Exposure Control	
The physical, chemical and toxicological properties of these components have not been fully investigated. It is recommended that laboratory personnel minimize direct skin or eye contact by following standard laboratory safety procedures when handling this product. Standard safety procedures should include wearing OSHA approved safety glasses, gloves and protective clothing.	
Section 8: First Aid Measures	
<u>Skin Exposure</u>	Remove any contaminated clothing. Flush affected area with copious amounts of water for at least 15 minutes then wash thoroughly. If irritation persists, contact a physician to seek medical advice.
<u>Eye Exposure</u>	If wearing contact lenses, remove them. Flush with copious amounts of water for at least 15 minutes.
<u>Ingestion</u>	If swallowed and individual is conscious, wash out mouth with water. Contact a physician to seek medical advice.
<u>Inhalation</u>	Move to fresh air. If difficulty breathing, oxygen may be administered. If breathing stops, administer artificial respiration and seek emergency medical assistance.

Section 9: Accidental Release / Spillage Measures
Ventilate area. Shut off all sources of ignition. Wear appropriate protective gear. Wipe or pick-up spilled material, place in sealed container if necessary, dispose of in accordance with federal, state, and local regulations. Wash spill site thoroughly after material pick-up is complete.
Section 10: Handling and Storage
This product should be stored as recommended on the product label. All components should be kept in tightly closed containers. Refer to the Storage section of the product insert for additional information. This product should only be handled and used by qualified, trained professional laboratory personnel.
Section 11: Other Information
This information is believed to be correct however does not claim to be all inclusive and is intended as a general guide only. Northwest Life Science Specialties, LLC shall not be held liable for any damage resulting from handling of or contact with this product or components therein. The burden of safe use of this and other products used in connection with this product rests solely with the user.