

Material Safety Data Sheet

Section 1: Product Information				
Product Name: NWLSS™ Superoxide Dismutase Activity Assay				
Product Number: NWK-SOD02				
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>	
40X Assay Buffer Containing Sodium Azide (< .0001%) and DPTA (<0.1%):			30 mL	
Sample Dilution Buffer Containing Sodium Azide (< .0001%) and DPTA (<0.1%):			30 mL	
Hematoxylin (<2.5 mg dry weight):			1 Vial	
Section 3: Hazardous Ingredients				
<u>Known Hazardous Components:</u>		<u>CAS Number</u>	<u>Percent</u>	
Hematoxylin		517-28-2	<0.21% in solution	
Sodium Azide		26628-22-8	<0.0001%	
DTPA(Diethylenetriaminepentaacetic acid)		67-43-6	<0.1%	
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				
Hematoxylin:	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
	LD50	Not Available		
	LC50	Not Available		
Acute Effects: May be harmful if swallowed. Moderately irritating to the skin. Moderately irritating to the eyes.				
Chronic Effects: Carcinogenicity: 400mg/kg after 26W oral administration in rats. Mutagenicity: Not available Teratogenicity: Not available. Developmental Toxicity: Not available.				

Sodium Azide	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
	LD50	27 mg/kg	Oral	Mouse
	LD50	19 mg/kg	IV	Mouse
Acute Effects: May be fatal if absorbed through skin or swallowed. May be irritant to skin/eyes/respiratory system.				
Chronic Effects: Carcinogen: (2730mg/kg after 78W oral administration in rats). Mutagen: (>1mM/L causes mutations in mammalian somatic cells).				
DTPA (Diethylenetriaminepentaacetic acid)	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
	LD50	2000 mg/kg	Oral	Rat
	LD50	587 mg/kg	IP	Rat
Acute Effects: Moderate irritant to eyes.				
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
<p>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.</p>