

## Material Safety Data Sheet

Section 1: Product Information				
Product Name: NWLSS™ Myeloperoxidase Activity Assay				
Product Number: NWK-MPO03				
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 Buffer Containing Taurine			2 X 30 mL	
H <sub>2</sub> O <sub>2</sub> Reagent			1 X 1.0 mL	
Catalase Reagent			1 Vial	
TNB Reagent			1 X 0.7 mL	
Concentrated Taurine Solution			1 Vial	
Section 3: Hazardous Ingredients				
<u>Known Hazardous Components:</u>		<u>CAS Number</u>	<u>Percent</u>	
5, 5'-Dithio-bis-(2-Nitrobenzoic Acid)		69-78-3	<1.0%	
Hydrogen Peroxide		7722-84-1	3.0%	
Taurine		107-35-7		
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				
5, 5'-Dithio-bis-(2-Nitrobenzoic Acid)	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
	LD50	2080 mg/kg	IP	Mouse
	LD50	316 mg/kg	Oral	Quail
Acute Effects: Irritating to eyes, respiratory system and skin.				

Hydrogen Peroxide	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
	LD50	3000 mg/kg	Dermal	Rat
	LD50	>50 g/kg	IV	Mouse
	LC50	>850 mg/m3	ORAL	Rabbit
Acute Effects: Moderate irritant				
Irritating to eyes, respiratory system and skin.				
Harmful if swallowed.				
Very toxic by inhalation.				
Chronic Effects: Carcinogen-Mutagen				
Carcinogenicity: Has been shown to be carcinogenic in laboratory animals after 2 year oral exposure.				
Mutagenicity:				
	<u>Test</u>	<u>Dose</u>	<u>Cell Type</u>	<u>Species</u>
	DNA Damage	9 uM/L	Lymphocyte	Human
	Mammalian Somatic	50 uM/L	Lymphocyte	Rat
Taurine	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
	LD50	5000 mg/kg	Oral	Rat
	Acute Effects: May be harmful if inhaled. May cause respiratory tract irritation.			
	May be harmful if absorbed through skin. May cause skin irritation.			
May cause eye irritation.				
May be harmful if swallowed.				

## 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.