

Material Safety Data Sheet

Section 1: Product Information

Product Name: NWLSS™ Human MIC-1 ELISA

Product Number: NWK-MIC1H1

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>
96 well microplate pre-coated with goat anti-human MIC-1 antibody:	1 each
Purified human MIC-1 standard:	60 mL
Primary Antibody (100X rabbit anti human MIC-1):	130 µL
Detection Antibody Conjugate: 100X donkey anti rabbit IgG-HRP:	130 µL
TMB Substrate:	25 mL
10X Wash Buffer:	30 mL
Assay Dilution Buffer:	100 mL

Section 3: Hazardous Ingredients

<u>Known Hazardous Components:</u>	<u>CAS Number</u>	<u>Percent</u>
3' 3,3',5,5'-Tetramethylbenzidine	54827-17-7	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

23' 3,3',5,5'-Tetramethylbenzidine	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
	LD50	135 mg/kg	IP	Rat
	LD50	316 mg/kg	Oral	Quail

Acute Effects: Irritating to eyes, respiratory system and skin.

Chronic Exposure: Mutagen

<u>Test</u>	<u>Dose</u>	<u>Route</u>	<u>Species</u>
Mammalian Somatic	30700 ug/kg	Lymphocyte	Mouse

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.