

Material Safety Data Sheet

Section 1: Product Information	
Product Name: NWLSS™ Lipid Hydroperoxide Assay	
Product Number: NWK-LHP01 and NWK-LHP02	
Manufacturer's Information: <div style="display: flex; justify-content: space-between;"> <div>Company Name:</div> <div>Northwest Life Science Specialties, LLC</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Address:</div> <div>5131 NE 94th Avenue Vancouver, WA 98683</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Emergency Phone:</div> <div>888-449-3091, 360-449-3091</div> </div>	
Section 2: Components	
<u>Part Description</u>	<u>Quantity</u>
Xylenol Orange in methanol	1 or 2 X 9 mL
FE(II) Reagent containing Fe ²⁺ in 0.5 M H ₂ SO ₄	1 or 2 X 9 mL
Catalase Reagent: (1KU/mL)	1 or 2 X 1.2 mL
TCEP Reagent (50 mM tris-carboxyethylphosphine in HCl	1 or 2 X 1.2 mL
BHT Reagent (Butylated Hydroxytoluene)	1 or 2 X 0.3 g
BHT Solvent (ethanol)	1 or 2 X 2.5 mL
Calibrator 155mM linoleic acid methyl ester in methanol	1 or 2 X 1.2 mL
Section 3: Hazardous Ingredients	
<u>Known Hazardous Components:</u>	<u>CAS Number</u>
Ammonium Ferrous Sulfate Hexahydrate	7783-85-9
Sulfuric Acid	7664-93-9
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

Ammonium Ferrous Sulfate Hexahydrate:	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
	LD50	3250 mg/kg	Oral	Rat

Acute Effects: Irritant

Moderate irritant to eyes, respiratory system and skin.

Sulfuric Acid	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
	LD50	2140 mg/kg	Oral	Rat
	LC50	510 mg/m ³	Inhalation	Rat
	LC50	320 mg/m ³	Oral	Mouse
	LD50	18 mg/m ³	Oral	GP

Acute Effects: Causes severe burns to skin and eyes. Harmful if swallowed or inhaled.

Ingestion can cause stomach pain, nausea and vomiting, diarrhea, dizziness and headache.

Inhalation is destructive to mucous membranes and upper respiratory tract.

Chronic Effects: Carcinogenic, Teratogenic and Mutagenic

<u>Test</u>	<u>Dose</u>	<u>Cell Type</u>	<u>Species</u>
Cytogenic Analysis	40 mM/L	Ovary	Hamster

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.