

MATERIAL SAFETY DATA SHEET

(In accordance with ISO 11014-1 Standard)

Revision Date: 12-5-2009

1. Identification of the Substance

Product Name: NEUTRALEX[®] (Product Codes: 4047, 4048, 4049)

Manufactured by: Scigen, Inc.
Gardena CA 90248 USA
Tel: 310-324-6576

Emergency Telephone Number:
800-424-9300 (Chemtrec)

2. Composition/Data on Components

Hazardous Component Specific Chemical Identity	CAS #	%	OSHA 8-hour TWA	ACGIH 8-hour exposureTLV
Trade secret-chemical identity withheld	Trade secret	Trade secret	5 mg/m3	5 mg/m3

3. Hazards Identification

NFPA Hazard Rating

Health: 2
Flammability: 0
Reactivity: 0

NFPA Rating Scale

Insignificant: 0
Slight: 1
Moderate: 2
High: 3
Extreme: 4

Inhalation over exposure: May cause irritation. Contact with acid solution of pH less than 4 releases sulfur dioxide gas which may be harmful or deadly when inhaled. Sulfur sensitive individuals may experience a severe and deadly allergic reaction.

4. First Aid Measures

Inhalation: The patient should be transported away from exposure and brought to fresh air. If necessary administer CPR, keep warm and quiet. Seek immediate medical attention.

Eye Contact: Do not allow victim to rub or keep eyes tightly shut. Flush eyes immediately with water for 10 - 15 minutes. If burning persists, seek medical care.

Skin Contact: Contaminated clothing should be removed immediately. The affected body areas should be flushed with water for a period of approximately 15 minutes. If symptoms persist, seek medical attention.

Ingestion: Give plenty of water or milk to drink. If conscious, induce vomiting by touching finger to back of throat. Get immediate medical attention. Never give anything by mouth to an unconscious person.

5. Fire Fighting Measures

Flash Point: Noncombustible

Explosive Limit: N/A

Extinguishing Methods: regular foam, dry chemicals, or carbon dioxide

Fire Fighting Procedures: Wear self-contained breathing apparatus with full body protection

Hazardous Decomposition Products: Sulfur oxides can be generated upon adding or mixing with acids. Store the product away from acids and oxidizers.

6. Accidental Release Measures

Small and Large Spills: With clean dry shovel, carefully place material into clean, dry container and cover; remove from area. Flush spill area with water.

7. Handling and Storage

Suitable for any general chemical storage area. All electrical equipment in storage and/or handling areas should be installed in accordance with applicable requirements of the National Electrical Code (NEC).

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8. Exposure Controls/Personal Protection

Respiratory Protection: General mechanical or local exhaust should be used to maintain low exposure levels. Avoid prolonged periods of directly breathing vapors. In absence of proper environmental controls, the use of a NIOSH/OSHA respirator is recommended. Respirator use should comply with OSHA 29 CFR 1910.134.

Protective Equipment: Use appropriate resistant gloves, chemical splash goggles, and normal laboratory work clothing covering arms and legs.

9. Physical and Chemical Properties

Flash Point _____ N/A

Auto-Ignition Temperature _____ N/A

Boiling Point _____ N/A

pH 5% (aqueous solution) _____ 6.5 - 7.0

Specific Gravity _____ Greater than Water

Vapor Density _____ N/A

Percent Volatile by Volume _____ N/A

Vapor Pressure _____ N/A

Appearance _____ White Powder

10. Stability and Reactivity

Stability: Stable

Hazardous Polymerization: Cannot occur

Incompatibility: Avoid contact with strong oxidizing agents and acids. Mixing with acids, it can generate sulfur dioxide.

11. Toxicological Information

Topical Effects

Skin: Exposure causes skin irritation, redness, and burning. Pre-existing skin conditions could be aggravated. Absorption through skin is unlikely.

Eyes: Depending on the quantity that comes in contact with an eye, the injuries sustained may range from mild irritation to redness and burning.

Systemic Effects

Ingestion: Single dose oral toxicity is moderate. Symptoms may include stomach irritation, nausea, and diarrhea.

Inhalation: Dust can cause irritation of nasal and respiratory passages. Wear a NIOSH approved respirator when working with chemicals, unless work is conducted in a ventilated hood.

Other Effects

The ingredients in this product are not carcinogenic. None of the ingredients of this product are listed in California's Proposition 65, or IRAC list of carcinogens.

12. Ecological Information

Aquatic Bioassay was conducted using guidelines prescribed in "Static Acute Bioassay Procedure for Hazardous Waste for Samples," result status = pass, 96 hour LC₅₀ > 750 mg/l.

This product is within the allowable limits specified in 40 CFR 261 and 433.11, California Soluble Threshold Limit Concentrations (STLCs) and Total Threshold Limit Concentration (TTLCs) and is considered a non-hazardous material.

13. Advice on Disposal

Disposal Procedures: Dispose of in accordance with all applicable local, state, and federal regulations.

14. Transport Information

DOT Shipping Number _____ None Regulated

DOT Hazard Classification _____ None Regulated

15. Regulatory Information

PROPOSITON 65: This product does not contain any PROP 65 compounds that are known to cause cancer or birth defects.

RCRA Hazardous Waste (40 CFR 261.33): Not listed

CERCLA Hazardous Substance (40 302.4): Not listed

SARA Toxic Chemical (40 CFR 372.65): Not listed

SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed

16. Other Information

This Material Safety Data Sheet has been furnished on request. A revised Material Safety Data Sheet will be furnished only if requested, also in case of specification changes. The above information, which is accurate to the best of our knowledge and belief, describes the safety aspects of our product but does not warrant any product properties. The company gives no warranty as to the accuracy or completeness of such information.