



MATERIAL SAFETY DATA SHEET

SECTION 1. Chemical Product and Company Identification Nordihydroguaiaretic acid

Product Code: 500-38-9 , **Reference #:** 70300

Product Name: Nordihydroguaiaretic acid

CAS Number: 500-38-9 , **RTECS Number:** UX1750000

Chemical Family: Inhibitors

Synonyms

4,4'-(2,3-dimethyl-1,4-butanediyl)bis-1,2-Benzenediol;

NDGA

Manufacturer Name and Address:

Cayman Chemical Company

1180 E. Ellsworth Rd.

Ann Arbor, MI. 48108

Cayman Chemical Company

Cayman Chemical Company

Telephone Numbers:

(800)364-9897

(734)971-3335

Dates:

Date Entered:

07/24/1998

Revision: 06/19/2003

Printed: 06/19/2003

SECTION 2. Composition/Information on Ingredients Nordihydroguaiaretic acid

Hazardous Components (Specific Chemical Identity/Common Name)

Name: Nordihydroguaiaretic acid {4,4'-(2,3-Dimethyltetramethylene)dipyrocatechol}

CAS #: 500-38-9

Percentage: 100.0 %

OSHA PEL: No data.

ACGIH TLV: No data.

SECTION 3. Hazards Identification Nordihydroguaiaretic acid

Emergency Overview

No data available.

Route(s) of Entry: Inhalation? Yes , Skin? Yes , Eyes? Yes , Ingestion? Yes , Other: Injection

Potential Health Effects (Acute and Chronic)

Contact may cause skin or eye irritation.

Harmful if swallowed.

Harmful if absorbed through the skin.

Material may be irritating to the mucous membranes and upper respiratory tract.

May cause eye, skin, or respiratory system irritation.

The toxicological properties of this compound have not been fully evaluated.

Carcinogenicity: NTP? No , IARC Monographs? No , OSHA Regulated? No

Carcinogenicity/Other Information

No data available.

Signs and Symptoms Of Exposure

Irritating to the skin, eyes, nose, throat, and respiratory tract.

SECTION 4. First Aid Measures Nordihydroguaiaretic acid

Emergency and First Aid Procedures

If inhaled remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.

If swallowed, wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention.

In case of contact with eyes, hold eyelids apart and flush eyes with plenty of water. After initial flushings, remove any contact lenses and continue flushing for at least 20 minutes. Have eyes examined and tested by medical personnel.

In case of skin contact, immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

Note to Physician

No data available.

Medical Conditions Generally Aggravated By Exposure

No data available.

SECTION 5. Fire Fighting Measures Nordihydroguaiaretic acid

Flash Pt: NE or NA **Method Used:** No data.

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: NE or NA **Extinguishing Media**

Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray when fighting fires involving this material.

Fire Fighting Instructions

As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

Flammable Properties and Hazards

Emits toxic fumes under fire conditions.

Hazardous Combustion Products

carbon dioxide

carbon monoxide

SECTION 6. Accidental Release Measures Nordihydroguaiaretic acid

Steps To Be Taken In Case Material Is Released Or Spilled

Vacuum or sweep up material and place in disposal container. After removal, flush the contaminated area thoroughly with water. Avoid raising dust.

Other Solubility Notes:	*Soluble in EtOH, DMSO, and DMF
Percent Volatile:	No data.
Saturated Vapor Concentration:	No data.
Viscosity:	No data.
Molecular Formula:	C18H22O4
Molecular Weight:	302.40
pH:	No data.
Appearance and Odor	
A crystalline solid	

SECTION 10. Stability and Reactivity Nordihydroguaiaretic acid

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability

No data available.

Incompatibility - Materials To Avoid

strong oxidizing agents

Hazardous Decomposition Or Byproducts

carbon dioxide

carbon monoxide

Hazardous Polymerization: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Polymerization

No data available.

SECTION 11. Toxicological Information Nordihydroguaiaretic acid

The toxicological effects of this compound have not been thoroughly studied.

Chronic Toxicological Effects

No data available.

SECTION 12. Ecological Information Nordihydroguaiaretic acid

Runoff from fire control or dilution water may cause pollution.

SECTION 13. Disposal Considerations Nordihydroguaiaretic acid

Waste Disposal Method

Dispose in accordance with local, state and federal regulations.

SECTION 14. Transport Information Nordihydroguaiaretic acid

DOT Proper Shipping Name

No data available.

Additional Transport Information

Transport in accordance with local, state, and federal regulations.

**SECTION 15. Regulatory Information
Nordihydroguaiaretic acid**

Regulatory information on this product is not available.

**SECTION 16. Other Information
Nordihydroguaiaretic acid**

For research use only, not for human or veterinary clinical use.

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