

**UNIROYAL
CHEMICAL**

Material Safety Data Sheet

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R-3

IDENTIFICATION

Trade Name: NAUGARD® 76

CAS Number: 2082-79-3

Chemical Name: Octadecyl 3, 5-di-tert-butyl
4-hydroxyhydrocinnamate

Chemical Family: Hindered Phenolic

SPECIAL REGULATORY HAZARDS

<u>Ingredient</u>	<u>CAS No.</u>	<u>Exposure Limit</u>	<u>OSHA (1910.1200)</u>	<u>EEC*</u>
Product	2082-79-3	ND	Not hazardous	Not hazardous

Hazard assessment based on available data.

Transportation: NA

PHYSICAL DATA

Appearance and Odor: White crystalline flake, granular, powder; solidified melt; odorless

Solubility: Insoluble in water

Soluble in most organic solvents

Melting Point: 122-131°F (50-55°C)

Boiling Point: NA

Other Data: NA

Specific Gravity (H₂O = 1): 1.02

Vapor Pressure @ 20°C: ND

Vapor Density (Air = 1): ND

Volatility @ 70°F: Low

FIRE AND EXPLOSION HAZARD DATA

Flash Point: ND

Autoignition Temp: ND

Extinguishing Media: Water spray, dry chemical

Flammable Limits: ND

Special Fire Fighting Procedures: Protect against inhalation of combustion products.

Unusual Hazards: May form explosive dust-air mixtures.

REACTIVITY DATA

Stability: Stable at ambient temperatures and pressures.

Incompatibility: Strong oxidizing agents.

Decomposition Products: Oxides of carbon under burning conditions.

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NA = Not Applicable

ND = Not Determined

*European Economic Community

Uniroyal makes no representation or warranty with respect to the information in this Material Safety Data Sheet. The information is however, as of this date provided, true and accurate to the best of Uniroyal's knowledge. This list of information is not intended to be all inclusive. Actual conditions of use and handling may require considerations of information other than, or in addition to, that which is provided herein.

SPECIAL PROTECTION INFORMATION

Engineering Controls: Sufficient ventilation to minimize dust exposure. Protect closed handling systems against possible dust explosions. Avoid dust accumulation on building or equipment surfaces.

Personal Protection Equipment: Avoid all personal contact. Observe good personal hygiene. Impervious gloves and goggles should be worn when handling. In the absence of adequate ventilation, use NIOSH-certified dust cartridge respirator.

STORAGE, SPILLS AND DISPOSAL INFORMATION

Storage: Store away from sources of direct heat in a dry area. Keep containers closed when not in use.

Spills: Vacuum up to avoid creating dust. Transfer into secure containers for proper disposal. Use personal protective as outlined above.

Disposal: In accordance with any applicable local, state, or federal regulation regarding organic waste.

Environmental Information: Environmental effects have not been determined.

HEALTH RELATED DATA

Specific Hazard(s): Contact with skin may cause irritation. No chronic health effects have been identified. There are no known medical conditions that are aggravated by exposure to this material.

Primary Route(s) of Entry: Powder - inhalation, skin absorption.

First Aid Procedures: **Eye contact:** Flush with water for 15 minutes.

Skin contact: Wash thoroughly with soap and water

Inhalation: Remove to fresh air.

Ingestion: If conscious give large quantities of water. Induce vomiting.
Get medical attention.

Toxicology Information: **Oral toxicity:** LD50 (rats) - > 10 g/kg
Dermal toxicity: LD50 (rabbits) - > 2 g/kg

Irritation: eye (rabbits) - negative
skin (rabbits) - slight

Sensitization: skin (guinea pigs) - negative.

Carcinogenic per NTP _____ IARC _____ OSHA _____ None X

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