

**UNIROYAL
CHEMICAL**

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Material Safety Data Sheet

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MSDS No. C267011

Date Issued: 9/12/85
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R-2

IDENTIFICATION

Trade Name: NAUGARD® XL-1

CAS Number: 70331-94-1

Chemical Name: 2,2'-oxalyldiamidobis[ethyl 3-(3,5-di-t-butyl-4-hydroxyphenyl) propionate]

Chemical Family: Phenolic

SPECIAL REGULATORY HAZARDS

Ingredient
Product

CAS No.
70331-94-1

Exposure Limit
ND

OSHA (1910.1200)
Not hazardous

EEC*
Not hazardous

Hazard assessment based on available data.

Transportation: NA

PHYSICAL DATA

Appearance and Odor: White powder; negligible odor

Solubility: Insoluble in water, moderately
soluble in acetone & chloroform.

Melting Point: 347-356° F (175-180° C)

Boiling Point: NA

Other Data: NA

Specific Gravity (H₂O = 1): ND

Vapor Pressure @ 20° C: NA

Vapor Density (Air = 1): Low

Volatility @ 70° F:

FIRE AND EXPLOSION HAZARD DATA

Flash Point: 500° F (260° C) TOC

Extinguishing Media: Water spray, dry chemical

Special Fire Fighting Procedures:

Unusual Hazards: Protect against inhalation of combustion products.
May form explosive dust-air mixtures.

Autoignition Temp: 525° F (273° C) Fire point

Flammable Limits: ND

REACTIVITY DATA

Stability: Stable at ambient temperatures and pressures.

Incompatibility: Strong oxidizing agents, acids and bases.

Decomposition Products: Oxides of carbon, nitrogen, and sulfur 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. Chemical resistant 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 equipment 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 eyes can cause irritation.

Primary Route(s) of Entry: Inhalation, skin absorption.

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

Skin contact: Wash thoroughly with soap and water.

Inhalation: Remove to fresh air.

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

Irritation: eye (rabbits) - slight

skin (rabbits) - negative

Sensitization: skin (guinea pigs) - negative

Mutagenicity: Ames *Salmonella* - negative

Subchronic: The feeding to rats and dogs of up to 2% did not produce significant adverse effects.

SARA TITLE III (40CFR 372) SECTION 313 TOXIC CHEMICALS NOTIFICATION

TOXIC CHEMICAL
Isopropanol

CAS #
67-63-0

% (BY WT.)
0.1

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