

**UNIROYAL
CHEMICAL**

(107)

Material Safety Data Sheet

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R-1

IDENTIFICATION

Trade Name: NAUGARD® P

CAS Number: 26523-78-4

Chemical Name: Tris (mono-nonylphenyl) phosphite Chemical Family: Organophosphite

SPECIAL REGULATORY HAZARDS

Ingredient

CAS No.

Exposure Limit

OSHA (1910.1200)

EEC*

Product

26523-78-4

ND

Not hazardous

Not hazardous

Hazard assessment based on available data.

Transportation: NA

PHYSICAL DATA

Appearance and Odor: Clear, viscous liquid; phenolic odor

Solubility: Insoluble in water

Miscible with most organic solvents

Specific Gravity (H₂O = 1): 0.98 @ 25/155°C

Vapor Pressure @ 20°C: ND

Melting Point: NA

Vapor Density (Air = 1): ND

Boiling Point: ND

Volatility @ 70°F: Low

Other Data: Pour Point: 20°F

Viscosity @ 77°F: 5,200 cps

@ 120°F: 500 cps

FIRE AND EXPLOSION HAZARD DATA

Flash Point: 430°F (221°C) TOC

Autoignition Temp: 455°F (235°C) Fire point

Extinguishing Media: Water spray, dry chemical

Flammable Limits: ND

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

Unusual Hazards: None identified.

REACTIVITY DATA

Stability: Stable at ambient temperatures and pressures.

Incompatibility: Strong oxidizing agents, moisture will cause to hydrolyze.

Decomposition Products: Upon hydrolysis, phosphorous acid and phenols. Under burning conditions, oxides of carbon, phosphorous.

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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 vapor exposure.

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 respiratory protections for organic vapors.

STORAGE, SPILLS AND DISPOSAL INFORMATION

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

Spills: Absorb on inert material. Shovel 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 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: No specific route based upon physical properties.

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

Skin contact: Wash thoroughly with soap and water

Inhalation: Remove to fresh air.

Toxicology Information: **Irritation:** skin (rabbits) - negative
eye (rabbits) - mild

The following data are for a mixture of tris(mono and dinonylphenyl)phosphite.

Oral toxicity: LD50 (rats) - 19.5 g/kg

Sensitization: skin (guinea pigs) - negative

Chronic: The feeding of up to 3300 ppm to dogs and rats for two years did not produce significant adverse health effects.

Carcinogenic per NTP _____ IARC _____ OSHA _____ None X

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