

Process Chemicals Division

Nopcocide N-40-D



Diamond Shamrock

ACCEPTED

SEP 1 1981

Fungicide for Mildew Control on Paint Film

PAD-94

Nopcocide N-40-D is a broad spectrum fungicide for control of mildew on paint film. This flowable form of **Nopcocide N-96** provides excellent performance characteristics when used as a mildewcide in aqueous paint systems only.

Recommendations for Using Nopcocide N-40-D

Nopcocide N-40-D is a 40% active aqueous dispersion of **Nopcocide N-96**. It can be added in the paint formula during the pigment grind operation, during or after letdown, or post-added to a finished product. To assure a uniform mixture of **Nopcocide N-40-D**, gentle mixing is recommended before using it. Generally, 10-25 pounds of **Nopcocide N-40-D** per 100 gallons of exterior paint are sufficient for effective mildew control in the paint film. Levels of 7.5-10 pounds have been found effective in interior latex paint.

Nopcocide N-40-D is compatible with latex paints containing zinc oxide.

Nopcocide N-40-D can be used in acrylic, vinyl-acrylic, or polyvinyl acetate latexes.

If an in-can preservative is used in combination with **Nopcocide N-40-D**, its compatibility with **Nopcocide N-40-D** should be examined first. Studies conducted with **Nopcocide N-96** have indicated that certain preservatives show superior performance in conjunction with **Nopcocide N-96**. Further information is available from our technical service laboratory personnel.

Our technical service staff is available to assist in solving your specific problems and will offer formulation recommendations to best suit your specific application.

Use Precautions

The following precautions should be observed in handling and using **Nopcocide N-40-D**:

Do not get in eyes. **Nopcocide N-40-D** is corrosive and capable of causing severe eye damage. Do not take internally. Avoid contact with skin or clothing.

Nopcocide N-40-D may produce temporary allergic side effects characterized by redness of the eyes, mild bronchial irritation and redness or rash on exposed skin areas. Persons having allergic reaction should contact a physician. Affected persons respond to treatment with antihistamines or steroid creams and/or systemic steroids.

Nopcocide N-40-D is toxic to fish. Do not apply directly to lakes, streams or ponds. Do not contaminate water by cleaning of equipment or disposal of wastes.

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Store **Nopcocide N-40-D** in a cool place. Protect from excessive heat.

Pesticide or rinsate that cannot be used according to label instructions must be disposed of according to Federal, State or local procedures under the Resource Conservation and Recovery Act.



Do not reuse empty container. Container should be triple rinsed (or equivalent) and offered for recycling or reconditioning, or disposed of in a sanitary landfill, or by other approved State and local procedures.

Personal Protective Equipment

Wear goggles or eye shield when handling **Nopocide N-40-D** to protect eyes.

Wear gloves and protective clothing when handling or using **Nopocide N-40-D** to minimize skin contact.

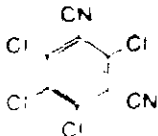
First Aid Procedures

Contact with eyes: Flush eyes with plenty of water immediately for at least 15 minutes. Seek medical attention immediately.

Contact with skin: Wash exposed areas of skin with soap and water after handling or using **Nopocide N-40-D**. Contaminated clothing including footwear should be thoroughly cleaned before reuse.

Allergic reactions: Contact a physician immediately for treatment with antihistamines or steroids.

Typical Properties

Appearance	Viscous, gray liquid
Active content, %	40
Active ingredient	Tetrachloroisophthalonitrile*
Molecular Weight	265.9
Structural Formula	
Corrosivity to metals	Noncorrosive
Density, lb/gal	10.3
Freezing point, °C	-5
Specific gravity (H ₂ O = 1)	1.24
Stability	Thermally stable at normal storage temperatures. Chemically stable in alkaline (below pH 9) or acidic conditions. Stable to UV radiation.

Packaging and Handling

Nopocide N-40-D is shipped in 5 and 30 gallon plastic containers. This product may congeal or stratify when exposed to temperatures below its pour point. Should this occur, allow the container to warm to room temperature and mix well before using.

U.S. Patents 2,290,353; 2,321,266 and 2,448,735
EPA Reg. No. 2214-18