



# ORGANIC DYESTUFFS CORPORATION

## CORPORATE OFFICE

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## ORCO SUNGUARD N-2®

**Description:** **Orco Sunguard N-2** is an Ultra-Violet(UV) absorber/stabilizer for use on nylon upholstery and automotive fabrics to enhance lightfastness and tensile strength having stability in most dyebaths. It is primarily designed for use with neutral premetallized dyes. **Orco Sunguard N-2** has not adverse effects on yarn strength and in fact may offer a marked improvements.

**Properties:**

<i>Appearance-</i>	green liquid dispersion
<i>Ionic Nature-</i>	slightly anionic
<i>pH-</i>	6.9-7.1 for a 5% solution
<i>Solubility-</i>	dispersible in warm water
<i>Density-</i>	9.4 lbs/gal

**Advantages:** Compatible in normal pH dyeing range offering level exhaust properties. Minimal shade change and effective on fabric and carpet with no shade restrictions.

**Applications:** Nylon carpet, yarn, and fabric

**Procedures:** *Exhaust:* Pre-disperse **Orco Sunguard N-2** in warm water. Use 1.0-2.5% owf **Orco Sunguard N-2** depending on dyestuff and lightfastness requirements. The amount of **Orco Sunguard N-2** is dependent on the amount of nylon present. In a bath at 75-90°F(24-32°C) add one of the following buffering systems:

pH < 6 Ammonium Acetate and acetic acid

pH 6-8 MSP and DSP

pH >8 TSP and acetic acid

Add X% **Orco Sunguard N-2** and 0.25-0.75 % owf **Orcosol SW**  
Circulate for 5 minutes and add dyestuff.

Raise to 212°F(100°C) over one hour to promote levelness.

Run for one hour and cool to 140°F(60°C).

Rinse, extract, and dry.

*After-treatment:* Set fresh bath to 75-90°F(24-32°C) and add 1-2% **Orco Sunguard N-2** .

Raise temperature to 160-180°F(71-82°C) over one hour.

Hold for 20 minutes at this temperature.

Rinse, extract, and dry.

**Notes:** Keep from freezing. Do not use if frozen.

C O L O R A N T S F O R A L L I N D U S T R I E S

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