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# MATERIAL SAFETY DATA SHEET

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## SECTION 01 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:

Chemical Name: **NUFLEX<sup>®</sup> 640 THERMOPLASTIC SEALANT - COLORS**

Manufacturer: **NUCO INC.**  
150 Curtis Drive  
Guelph, Ontario N1K 1N5  
Tel: (519)-823-4994  
Fax: (519)-823-1099  
Infotrac 24 Hour Emergency Tel: (800)-535-5053

Date: **March 26, 2014**

Prepared by: **Technical Services Department**

WHMIS Classification: **B2, D2B**

Product Use: **Thermoplastic Sealant**

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## SECTION 02 – COMPOSITION / INFORMATION ON INGREDIENTS:

<u>Ingredients</u>	<u>CAS No.</u>	<u>%</u>	<u>LD50(Oral-Rat)</u>	<u>LC50(Inhalation-Rat)</u>
Xylene	1330-20-7	10.0 – 30.0	2,500 mg/kg	5,000 ppm (4 hr)

The ingredients listed above are controlled products as defined in CPR, am. SOR/88-555 or 29 CFR 1910.1200

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## SECTION 03 – HAZARDS IDENTIFICATION:

### ROUTES OF ENTRY INTO THE BODY (ACUTE EFFECTS):

Eyes: Vapors may cause irritation. Irritation upon direct contact.

Skin: May cause moderate irritation. Prolonged contact may cause defatting of tissue and dermatitis.

Inhalation: Vapors can produce headache, nausea, dizziness, disorientation, numbness in fingers and toes, and irritation of nose and throat.

Ingestion: Irritation may cause abdominal pain, nausea, diarrhea and vomiting.

### WHMIS HAZARD SYMBOL(S):



DANGER: FLAMMABLE, VAPOR HARMFUL

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## SECTION 04 - FIRST AID MEASURES:

Eyes: Flush with copious quantities of lukewarm water. Do not attempt to physically remove the solids or gums from the eye. Seek medical attention immediately.

Skin: Remove contaminated clothing. Wash thoroughly with warm water and non-abrasive soap. Seek medical attention if you feel ill or a reaction develops.

Inhalation: Remove to fresh air and provide water. Seek medical attention if you feel ill or a reaction develops.

Ingestion: Get medical attention.

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## SECTION 05 - FIRE FIGHTING MEASURES:

Flammable Conditions: Avoid direct sources of heat or ignition in uncured state. Solvent vapors are heavier than air and may travel along the ground and be ignited by sources distant from handling points.

Extinguishing Media: Carbon dioxide, dry chemical, water fog or foam. Water can be used to cool fire exposed containers

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<b>Fire Fighting Measures:</b>	Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan.
<b>Flash Point:</b>	Closed cup 78.8°F (26°C)
<b>Flammability Limits:</b>	Lower Explosion Limit - n/a Upper Explosion Limit – n/a
<b>Autoignition Temperature:</b>	Not available
<b>Hazardous Decomposition Products:</b>	Carbon oxides and traces of incompletely burned carbon products.
<b>Sensitivity - Impact:</b>	No
<b>Static:</b>	Yes

**SECTION 06 – ACCIDENTAL RELEASE MEASURES:**

<b>Containment / Clean Up:</b>	Restrict access to the area of the spill. Provide ventilation and protective clothing. Scrape up caulk (use non-sparking equipment) and place in container for disposal. Cleaning may require steam or detergents. Dispose of saturated absorbant or cleaning materials appropriately, since spontaneous heating may occur. Local, state, provincial, federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup.
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**SECTION 07 – HANDLING AND STORAGE:**

<b>Handling and Storage:</b>	Store in an adequately ventilated area under dry conditions between 50°F (10°C) to 77°F (25°C) and keep container tightly sealed when not in use. Use only in well ventilated area. Containers may retain product residues and vapors. Store large quantities in buildings designed and protected for storage of NFPA Class 1-B flammable materials.
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**SECTION 08 – EXPOSURE CONTROL / PERSONAL PROTECTION:**

<b>Component Exposure Limits:</b>	<u>Xylene (CAS# 1330-20-7):</u> Provide adequate ventilation to control exposures within the following exposure guidelines: ACGIH TLV: 100 ppm.
<b>Respiratory:</b>	Wear an organic vapor NIOSH / MSHA approved respirator.
<b>Ventilation:</b>	In indoor applications, passive ventilation (opening of doors and windows) is recommended. Local exhaust as necessary to keep exposure levels within guidelines.
<b>Personal Protective Equipment:</b>	Safety glasses with side-protection, impermeable gloves (e.g., neoprene, nitrile, silver shield (R)), coveralls or apron are important in preventing contamination of eyes, skin and clothing. Wash thoroughly after handling.

**SECTION 09 - PHYSICAL AND CHEMICAL PROPERTIES:**

<b>Physical State:</b>	Paste
<b>Odor and Appearance:</b>	Solvent odor, white or black thixotropic sealant
<b>Odor Threshold:</b>	1 – 20 ppm
<b>Specific Gravity:</b>	1.05 – 1.09
<b>Vapor Pressure:</b>	2.5 kPa (20°C, 68°F)
<b>Vapor Density (Air = 1):</b>	3.66
<b>Evaporation Rate:</b>	0.86
<b>Boiling Point:</b>	282°F (139°C)
<b>Freezing Point:</b>	Not available
<b>pH:</b>	Not available
<b>Coeff. Oil/Water Distribution:</b>	Not available

**SECTION 10 – STABILITY AND REACTIVITY:**

<b>Chemical Stability:</b>	Stable
<b>Incompatible Materials:</b>	Strong oxidizing agents
<b>Reactive Conditions:</b>	Incompatible materials.
<b>Hazardous Polymerization:</b>	Will not occur.

**SECTION 11 - TOXICOLOGICAL INFORMATION:**

Effects of overexposure: Prolonged and repeated skin contact may cause dermatitis or aggravate pre-existing skin disorders. Inhalation of high vapor concentration or ingestion may cause headache, vomiting, dizziness, nausea and central nervous system depression.

Sensitization: Non-sensitizing  
Carcinogenicity: No known applicable information.  
Reproductive Toxicity: No known applicable information.  
Teratogenicity: No known applicable information.  
Mutagenicity: No known applicable information.  
Synergistic Products: No known applicable information.

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**SECTION 12 – ECOLOGICAL INFORMATION:**

Air: Complete information is not yet available.  
Water: Complete information is not yet available.  
Soil: Complete information is not yet available.

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**SECTION 13 – DISPOSAL CONSIDERATIONS:**

Waste Disposal: Dispose in accordance with Federal, State / Provincial and local regulations.

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**SECTION 14 - TRANSPORT INFORMATION:**

Shipping Information: Adhesives, Class 3, UN 1133, Packing Group II

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**SECTION 15 - REGULATORY INFORMATION:**

TSCA Inventory Status: Chemical components listed on TSCA inventory except as exempted.  
NFPA Profile: Health 2, Flammability 3, Reactivity 0  
SARA TITLE III Chemical Listings: Section 302 Extremely Hazardous Substances (40 CFR 355): Not known  
Section 304 CERCLA Hazardous Substances (40 CFR 302): Not known  
Section 311/312 Hazard Class (40 CFR 370): Acute: Yes; Chronic: Yes; Fire: Yes; Pressure: No; Reactive: No  
Section 313 Toxic Chemicals (40 CFR 372): Not known  
State Substance List: This product contains a listed substance(s) that appears on one or more of the Substance Lists for Pennsylvania, Massachusetts and New Jersey: Xylene (CAS# 1330-20-7).  
California Proposition 65 List: None known  
Volatile Organic Content: 275 grams per liter (26.2% by weight).  
Domestic Substance List: Chemical components listed on DSL except as exempted.

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**SECTION 16 - OTHER INFORMATION:**

The information herein is given in good faith, but no warranty, express or implied, is made. Product users should make independent judgements of the suitability of this information to ensure proper use and to protect the health and safety of employees.

Form: MSDSNUFLEX640THERMOPLASTICSEALANT - COLORS Rev.: 6 Date: 03/14