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# MATERIAL SAFETY DATA SHEET

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## SECTION 01 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:

Chemical Name: **NUFLEX® 180 CARTRIDGE - CLEAR**  
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: July 8, 2014  
Prepared by: Technical Services Department  
WHMIS Classification: D2B  
Product Use: Caulking compound

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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>
Acrylic Polymer	Proprietary	75.0 – 90.0	Not Available	Not Available
Ethylene Glycol	107-21-1	0.05 – 3.0	Not Available	Not Available
Water	7732-18-5	>5.0	Not available	Not available

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: Direct contact may cause slight to moderate irritation.  
Skin: May cause allergic skin reactions and/or central nervous system depression.  
Inhalation: May cause slight irritation to respiratory passages, headache, dizziness.  
Ingestion: Low ingestion hazard in normal use. May cause adverse kidney effects.

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### WHMIS HAZARD SYMBOL(S):



## SECTION 04 - FIRST AID MEASURES:

Eyes: Flush with copious quantities of lukewarm water for 15 to 30 minutes. 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: Do not induce vomiting. Get medical attention.

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## SECTION 05 - FIRE FIGHTING MEASURES:

Flammable Conditions: Avoid direct sources of heat or ignition in uncured state.  
Extinguishing Media: Carbon dioxide, dry chemical, water fog or foam. Water can be used to cool fire exposed containers  
Fire Fighting Measures: 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.

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Flash Point:	Not applicable – water-borne product
Flammability Limits:	Lower Explosion Limit - not available Upper Explosion Limit - not available
Autoignition Temperature:	Not available
Hazardous Decomposition Products:	Carbon oxides and traces of incompletely burned carbon products.
Sensitivity - Impact:	None
Static:	None

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**SECTION 06 – ACCIDENTAL RELEASE MEASURES:**

Containment / Clean Up: Restrict access to the area of the spill. Provide ventilation, NIOSH / MSHA approved respirator and protective clothing. Scrape up caulk 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:**

Handling and Storage: 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.  
**KEEP FROM FREEZING.**

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**SECTION 08 – EXPOSURE CONTROL / PERSONAL PROTECTION:**

Component Exposure Limits: Ethylene Glycol (CAS# 107-21-1): ACGIH: 100 ppm Ceiling  
Respiratory: No respiratory protection should be needed if use with adequate ventilation.  
Ventilation: In indoor applications, passive ventilation (opening of doors and windows) is recommended. Local exhaust as necessary to keep exposure levels within guidelines.  
Personal Protective Equipment: 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.

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

Physical State:	Paste
Odor and Appearance:	Sweet acrylic with a mild ammonia odor, thixotropic caulk
Odor Threshold:	Not available
Specific Gravity:	1.02 – 1.14
Vapor Pressure:	25 mm Hg @68°F (20°C)
Vapor Density:	Heavier than air (>1)
Evaporation Rate:	Slower than Ether
Boiling Point:	>200°F (93°C)
Freezing Point:	<32°F (0°C)
pH:	7.5 – 9.0
% Volatile by Volume:	35 – 55%
VOC (Less Exempt Solvents):	< 1.5%
Water Solubility:	Dispersible
Coeff. Oil/Water Distribution:	Not available

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**SECTION 10 – STABILITY AND REACTIVITY:**

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

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**SECTION 11 - TOXICOLOGICAL INFORMATION:**

Effects of overexposure:	Overexposure may cause weakness and depress the central nervous system. May cause allergic skin reactions, defatting, drying and dermatitis.
Sensitization:	No known applicable information.
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: Not subject to DOT or TDG Regulations.

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**SECTION 15 - REGULATORY INFORMATION:**

TSCA Inventory Status: Chemical components listed on TSCA inventory except as exempted.  
NFPA Profile: Health 1, Flammability 0, Reactivity 0  
SARA TITLE III Chemical Listings: Section 312 Hazard Class (40 CFR 370): Acute: Yes; Chronic: Yes; Fire: No; Pressure: No; Reactive: No  
Section 313 Toxic Chemicals (40 CFR 372): None.  
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: ethylene glycol (CAS# 107-21-1); water (CAS# 7732-18-5).  
California Proposition 65 List: No known applicable information.  
Volatile Organic Content: <1.5% 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: MDSSNUFLEX180CARTRIDGE-CLEAR Rev.: 9 Date: 07/14