

MATERIAL SAFETY DATA SHEET

SECTION 01 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:

Chemical Name: **NUFLEX® 180 CARTRIDGE - WHITE**
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: D2A, D2B
Product Use: Caulking compound

SECTION 02 – COMPOSITION / INFORMATION ON INGREDIENTS:

<u>Ingredients</u>	<u>CAS No.</u>	<u>%</u>	<u>TLV</u>	<u>PEL - TWA</u>
Limestone	1317-65-3	45.0 - 65.0	2 mg/m ³	15 mg/m ³
Mineral Spirits	8052-41-3	0.05 – 3.0	100 ppm	100 ppm
Ethylene Glycol	107-21-1	<2.0	Not available	Not available
Acrylic Polymer	Proprietary	25.0 – 35.0	Not available	Not available
White Mineral Oil	8042-47-5	2.0 – 6.0	Not available	Not available
Water	7732-18-5	>2.0	Not available	Not available
Titanium Dioxide	13463-67-7	0.05 – 5.0	15 mg/m ³	15 mg/m ³
Quartz (SiO ₂)	14808-60-7	<0.1 – 1.0	0.1 mg/m ³	0.1 mg/m ³

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

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 passage, headache, dizziness.
Ingestion: Low ingestion hazard in normal use. May cause adverse kidney effects.

WHMIS HAZARD SYMBOL(S):



SECTION 04 - FIRST AID MEASURES:

Eyes: Flush with large quantities of water for at least 15 minutes. Do not attempt to physically remove the solids or gums from the eye. Seek medical attention immediately.
Skin: Wash with soap and water. Remove contaminated clothing. 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 immediate medical attention.

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.

Flash Point:	Not applicable – Water-based product
Flammability Limits:	Lower Explosion Limit - not available Upper Explosion Limit - not available
Autoignition Temperature:	Not available
Hazardous Decomposition Products:	Not available
Sensitivity - Impact:	Not available
Static:	Not available

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.

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.

SECTION 08 – EXPOSURE CONTROL / PERSONAL PROTECTION:

Component Exposure Limits: Limestone (CAS# 1317-65-3): Although the limestone is coated with the acrylic caulk, observe the particulate limits. ACGIH TLV: TWA 10 mg/m³ inhalable particulate, 5 mg/m³ respirable particulate.
Mineral Spirits (CAS# 8052-41-3): Provide adequate ventilation to control exposures within the following exposure guidelines: ACGIH TLV: 100 ppm, OSHA PEL: 500 ppm.
Ethylene Glycol (CAS# 107-21-1): ACGIH: 100 ppm Ceiling.
Titanium Dioxide (CAS# 13463-67-7): Although the titanium dioxide is encapsulated by the acrylic caulk, observe the particulate limits. OSHA PEL: TWA 15 mg/m³. and ACGIH TLV: TWA 10 mg/m³.
Quartz (CAS# 14808-60-7): Although the quartz is a naturally occurring component of calcium carbonate and is coated with acrylic caulk, observe the particulate limits. OSHA PEL: TWA 0.3 mg/m³ total dust, 0.1 mg/m³ respirable fraction. ACGIH TLV: TWA 0.1 mg/m³ respirable fraction.

Respiratory: Wear an organic vapor NIOSH / MSHA approved respirator.
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.

SECTION 09 - PHYSICAL AND CHEMICAL PROPERTIES:

Physical State:	Paste, white
Odor and Appearance:	Sweet acrylic with a mild ammonia odor
Odor Threshold:	Not available
Specific Gravity:	Approx. 1.62 – 1.74
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
Water Solubility:	Dispersible
% Volatile By Volume:	20 – 40%
VOC (Less Exempt Solvents):	< 1.5%
Coeff. Oil/Water Distribution:	Not available

SECTION 10 – STABILITY AND REACTIVITY:

Chemical Stability: Stable under normal conditions
Incompatible Materials: Strong oxidizing agents
Reactive Conditions: Incompatible materials.
Hazardous Polymerization: Will not occur.
Hazardous Decomposition or By-products: None known

SECTION 11 - TOXICOLOGICAL INFORMATION:

Effects of overexposure: Prolonged and repeated skin contact may cause skin reactions, defatting, drying and dermatitis. Some adverse reproduction effects have been reported in animals.
Sensitization: No known applicable information.
Carcinogenicity: Quartz (CAS# 14808-60-7): IARC Group 1 – Carcinogenic to Humans; NTP – Reasonably Anticipated to be a Human Carcinogen; ACGIH A2 – Suspected Human Carcinogen.
Reproductive Toxicity: Not known
Teratogenicity: No known applicable information.
Mutagenicity: No known applicable information.
Synergistic Products: No known applicable information.

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.

SECTION 13 – DISPOSAL CONSIDERATIONS:

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

SECTION 14 - TRANSPORT INFORMATION:

Shipping Information: Not subject to DOT or TDG Regulations.

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 302 Extremely Hazardous Substances (40 CFR 355): None
Section 304 CERCLA Hazardous Substances (40 CFR 302): None
Section 311/312 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: limestone (CAS# 1317-65-3); ethylene glycol (CAS# 107-21-1); quartz (CAS# 14808-60-7); water (CAS# 7732-18-5).
California Proposition 65 List: Quartz (CAS# 14808-60-7), not a hazard under normal conditions of use.
Volatile Organic Content: <1.5% by weight
WHMIS Classification: D2A, D2B
Domestic Substance List: Chemical components listed on DSL except as exempted.

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: MSDSNUFLEX180CARTRIDGE-WHITE Rev.: 9 Date: 07/14