

MATERIAL SAFETY DATA SHEET

SECTION 01 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:

Chemical Name: **NUFLEX® 446 ACOUSTICAL & VAPOUR BARRIER SEALANT**

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 25, 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>LD50(Oral-Rat)</u>	<u>LC50(Inhalation-Rat)</u>
Mineral Spirits	8052-41-3	3.0 - 7.0	Not available	Not available
Silica, Quartz	14808-60-7	0.1 – 1.0	Not available	Not available
Titanium Dioxide	13463-67-7	0.1 – 1.0	Not available	Not available
1,2,4-Trimethylbenzene	95-63-6	0.1 – 1.0	Not available	Not available
Carbon black	1333-86-4	0.1 – 1.0	Not available	Not available
1,3,5-Trimethylbenzene	108-67-8	0.1 – 1.0	Not available	Not available

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

SECTION 03 – HAZARDS IDENTIFICATION:

ROUTES OF ENTRY INTO THE BODY (ACUTE EFFECTS):

Eyes: Direct contact may cause slightly irritation.

Skin: May cause irritation.

Inhalation: No serious effects anticipated under normal conditions of use. Vapor may irritate respiratory tract.

Ingestion: May cause irritation to the mouth, throat and stomach. May cause gastrointestinal irritation, nausea and vomiting.

WHMIS HAZARD SYMBOL(S):



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: 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. 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.
Fire Fighting Measures:	Treat as a Class "B" fire. 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 available
Flammability Limits:	Lower Explosion Limit - Not available Upper Explosion Limit - Not available
Autoignition Temperature:	Not available
Hazardous Decomposition Products:	Smoke, fumes. Carbon monoxide and carbon dioxide can form.
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.
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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. Use only in well ventilated area. Containers may retain product residues and vapors.
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SECTION 08 – EXPOSURE CONTROL / PERSONAL PROTECTION:

Component Exposure Limits:	<p><u>Mineral Spirits (CAS# 8052-41-3):</u> Provide adequate ventilation to control exposures within the following exposure guidelines: ACGIH TWA: 100 ppm, Ontario TWAEV: 525 mg/m3.</p> <p><u>Silica, Quartz (CAS#14808-60-7):</u> Provide adequate ventilation to control exposures within the following exposure guidelines: ACGIH TWA: 0.025 mg/m3, Ontario TWAEV: 0.10 mg/m3.</p> <p><u>Titanium Dioxide (CAS# 13463-67-7):</u> Provide adequate ventilation to control exposure within the following exposure guidelines: ACGIH TWA: 10mg/m3, Ontario TWAEV: 10mg/m3.</p> <p><u>1,2,4-Trimethylbenzene (CAS# 95-63-6):</u> Provide adequate ventilation to control exposure within the following exposure guidelines: ACGIH TWA: 25 ppm, Ontario TWAEV: 123 mg/m3.</p> <p><u>Carbon Black (CAS# 1333-86-4):</u> Provide adequate ventilation to control exposure within the following exposure guidelines: ACGIH TWA: 3.5 mg/m3, Ontario TWAEV: 3.5 mg/m3.</p> <p><u>1,3,5-Trimethylbenzene (CAS# 108-67-8):</u> Provide adequate ventilation to control exposure within the following exposure guidelines: ACGIH TWA: 25 ppm, Ontario TWAEV: 123 mg/m3.</p>
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
Odor and Appearance:	Solvent odor, charcoal thixotropic caulk
Odor Threshold:	Not available
Specific Gravity:	1.6 -1.7
Vapor Pressure:	Not available
Vapor Density:	Heavier than air

Evaporation Rate: Not available
Boiling Point: 752°F (400°C)
Freezing Point: Not available
pH: Not available
Coeff. Oil/Water Distribution: Not available

SECTION 10 – STABILITY AND REACTIVITY:

Chemical Stability: Stable under normal storage, handling and use.
Incompatible Materials: Strong oxidizing agents
Reactive Conditions: Incompatible materials.
Hazardous Polymerization: Will not occur under normal conditions.

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 and nausea.

Sensitization: No known applicable information.
Carcinogenicity: No data available.
Reproductive Toxicity: No data available.
Teratogenicity: No data available.
Mutagenicity: No data available.
Synergistic Products: No data available.

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. Under RCRA 40 CFR 261 deemed to be a hazardous waste due to ignitability

SECTION 14 - TRANSPORT INFORMATION:

Shipping Information: DOT PROPER SHIPPING NAME: Adhesive containing Flammable Liquid.
DOT HAZARD CLASS: UN 1133
IDENTIFICATION NO.: NMFC Item No. 149610
TDG CLASSIFICATION: Class 3.3, Packing Group III (General Exemption 1.33 for Domestic Shipments).

SECTION 15 - REGULATORY INFORMATION:

TSCA Inventory Status: Chemical components listed on TSCA inventory except as exempted.
NTPA Profile: Health 1, Flammability 2, 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: Yes; Pressure: No; Reactive: No
Section 313 Toxic Chemicals (40 CFR 372): None present or none present in reportable quantities.

California Proposition 65 List: No known applicable information.
Volatile Organic Content: <155 grams per liter.
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: MSDSNUFLEX446ACOUSTICAL&VAPORBARRIERSEALANT Rev.: 7 Date:

03/14