136 Draft Stop



SPECIALTY SEALANTS TECHNICAL DATA SHEET

NuFlex® 136 is a one-component, non-combustible caulk. It meets ASTM E-136 requirements designed to resist high-temperatures and smoke in non-rated construction. **NuFlex® 136** is to be used in annular spaces around wires, pipes, ducts, and vents in wood or steel framed non-rated construction. **NuFlex® 136** dries to form a fire and heat resistant shield around the penetrating items. **NuFlex® 136** is light red in color for ease of inspection and is available in 300ml (10.1 fluid ounce cartridge).

SURFACE PREPARATION & APPLICATION:

All surfaces must be dry and frost-free, free of oil, grease, rust, dirt or other contaminants that may inhibit proper adhesion. Most substrates do not require a primer before application of the NuFlex® 136 draft stop. Application: 1) Remove oil, grease, dust, etc. from openings to be caulked. If required, install noncombustible backing materials to prevent caulk from falling through the void. 2) Caulk should be at room temperature for application. Surface and air temperatures should be above 5°C (40°F). 3) Cut caulking tube tip to desired bead width and caulk NuFlex® 136 into opening until flush with surrounding floor and /or wall surfaces. Then tool caulk surface to smooth defect-free finish with a slightly wetted trowel or putty knife. 4) Clean all equipment immediately after use.

THIS PRODUCT HAS NOT BEEN TESTED FOR AND IS NOT TO BE USED AS A FIRESTOPPING MATERIAL IN RATED CONSTRUCTION. Products tested to ASTM E-814 (UL 1479) are required for this purpose. Consult your distributor for information on our ASTM E-814 (UL 1479) Self SealTM Firestopping Products.

RECOMMENDED STORAGE TEMPERATURES: 5°C to 35°C (40°F to 96°F)

LIMITATIONS:

THIS PRODUCT IS FOR INTERIOR APPLICATION ONLY! NuFlex® 136 cannot be used in areas where there is continuous vibration on the penetrating item. This material is water-based and water soluble when dry. Do not expose to water. Do not install when the temperature is below 0°C (32°F). Do not apply to frozen surfaces. This product adheres well to wood as well as most common masonry materials. Adhesion and compatibility to plastics should be confirmed prior to use. This sealer is inflexible when dry and may not be suitable for application to surfaces where vibration or expansion and/or contraction may be present.

IMPORTANT NOTE: THIS PRODUCT MEETS THE ASTM E-136 NONCOMBUSTIBILITY REQUIREMENTS FOR CERTAIN CODE REQUIRED DRAFT AND FIRE BLOCKING APPLICATIONS. THIS STANDARD DOES NOT ADDRESS ANY MECHANICAL OR PHYSICAL PROPERTIES RELATED TO THE USE OF THESE MATERIALS. THE USER MUST DETERMINE THE SUITABILITY OF THIS MATERIAL TO HIS OR HER PARTICULAR APPLICATION. CONSULT LOCAL BUILDING CODE AUTHORITIES PRIOR TO USE FOR GUIDELINES OR REQUIREMENTS THAT MAY RELATE TO THE USE OF THIS PRODUCT.

CAUTION:

AVOID CONTACT WITH SKIN AND EYES. Wash thoroughly after handling. In case of eye contact, flush immediately with water for 15 minutes and call a physician immediately. KEEP OUT OF REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION.

DISCLOSURE:

The information and data contained herein is BASED ON INFORMATION WE BELIEVE TO BE RELIABLE. Please read all statements, recommendations or suggestions herein in conjunction with our CONDITIONS of SALE which apply to all goods supplied by us. We assume no responsibility for the use of theses statements, recommendations or suggestions, nor do we intend them as recommendation for any use which would infringe any patent or copyright.

WARRANTY INFORMATION:

NUCO Inc., warrants only that its product will meet its specifications. NUCO shall in no event be liable for incidental or consequential damage. NUCO's liability, expressed or implied is limited to the stated selling price of any goods found to be defective.

MANUFACTURED BY:

NUCO INC. T:

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Guelph, ON N1K 1N5

150 Curtis Drive

FORM: 136 TDS.DOC

REV.: 2 DATE: 11/08



- Red in colour.
- Excellent adhesion to wood substrates.
- Will not become brittle or breakdown over time.

AVAILABLE SIZES & COLOUR:

- 300 mL (10.1 fl.oz.) cartridge
- 12 cartridges per case
- 144 cases per skid
- Available in larger sizes*
 *Special order items may require lead times and minimum order quantities.

SPECIFICATIONS:

NuFlex® 136 has been tested and meets the American Society for Testing Materials ASTM E-136. Passing this test means: the material must withstand 750oC (1,380°F) without exhibiting signs of combustion, flame, or smoke.



www.**NuFlex**.com

MATERIAL SAFETY DATA SHEET

SECTION 01 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:

Chemical Name:

NUFLEX® 136 DRAFT STOP CAULK

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:

Product Use:

D2A, D2B Noncombustible Caulk for Fireblocking

SECTION 02 - COMPOSITION / INFORMATION ON INGREDIENTS:

Ingredients	CAS No.	%	OSHA PEL	<u>ACGIH TLV</u>
Amorphous Silica	7631-86-9	0 - 0.05	20 mppcf	10 mg/m³
Silica, Quartz	14808-60-7	1.0 - 5.0	0.1 mg/m³	0.05 mg/m ³
Mica	12001-26-2	15.0 - 40.0	20 mppcf	3 mg/m ³
Sodium Silicate	1344-09-8	40.0 - 70.0	n/a	5 mg/m ³
Sodium Hydroxide	1310-73-2	1.0 - 5.0	2 mg/m³	2 mg/m³

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

SECTION 03 - HAZARDS INDENTIFICATION:

ROUTES OF ENTRY INTO THE BODY (ACUTE EFFECTS):

Eyes:

Direct contact may cause severe irritation. Symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the

cornea, and impaired vision.

Skin:

May cause severe irritation. Symptoms may include localized redness,

swelling, itching, dryness, cracking, blistering and pain.

Inhalation:

Upper respiratory tract irritation. Symptoms may include cough, sneezing,

nasal discharge, headache, hoarseness, and nose and throat pain.

Ingestion:

Gastrointestinal irritation. Symptoms may include abdominal pain,

nausea, diarrhea 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 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

dovolone

Inhalation:

Remove to fresh air and provide water. Seek medical attention if you feel

ill or a reaction develops.

Ingestion:

Do not induce vomiting. Provide water and get immediate medical

attention.

SECTION 05 - FIRE FIGHTING MEASURES:

Flammable Conditions: Extinguishing Media:

Not applicable

Not applicable

Fire Fighting Measures:

Not applicable

Flash Point:

Not applicable

Flammability Limits:

Lower Explosion Limit - not applicable Upper Explosion Limit - not applicable

Autoignition Temperature:

Not applicable

Hazardous Decomposition Products: Impact: Static:

Not applicable None

Sensitivity -

None

SECTION 06 - ACCIDENTAL RELEASE MEASURES:

Containment / Clean Up:

Restrict access to the area of the spill. Provide ventilation and protective clothing. Scrape up caulk and place in container for disposal. 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.

SECTION 08 - EXPOSURE CONTROL / PERSONAL PROTECTION:

Component Exposure Limits:

See Section 2.

Respiratory:

Respiratory protection to be provided.

In indoor applications, passive ventilation (opening of doors and windows) Ventilation: 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:

Thick Paste

Odor and Appearance:

Low odor, red gunnable paste

Odor Threshold:

Not available 1.91

Specific Gravity:

Vapor Pressure: Vapor Density: **Evaporation Rate:** Not available Not available Not available

Boiling Point:

100°C (212°F) due to water component

Freezing Point:

Not available Not available

pH:

Coeff. Oil/Water Distribution:

Not available

SECTION 10 - STABILITY AND REACTIVITY:

Chemical Stability:

Stable

Incompatible Materials:

Not available Not available

Reactive Conditions: Hazardous Polymerization:

Will not occur

SECTION 11 - TOXICOLOGICAL INFORMATION:

Effects of overexposure:

Acute hazards are to eyes and skin if contacted. repeated overexposure may cause effects to the lungs such as difficulty in breathing, cough, wheezing, weakness, increased heart rate, bluish colored skin, sputum production and changes in lung function. The mica and silica in this product are totally encapsulated

and thus present no inhalation danger to the user.

Sensitization:

No known applicable information.

Carcinogenicity:

Respirable quartz silica from occupational sources is listed by IARC as

a human carcinogen.

Reproductive Toxicity:

No known applicable information.

Teratogenicity:

No known applicable information.

Mutagenicity:

Synergistic Products:

No known applicable information. No known applicable information.

SECTION 12 - ECOLOGICAL INFORMATION:

Air:

Complete information is not yet available. Complete information is not yet available.

Water: 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, TDG, IMDG Code or IATA Regulations.

SECTION 15 - REGULATORY INFORMATION:

TSCA Inventory Status:

Chemical components listed on TSCA inventory except as exempted.

NFPA Profile:

Health 2, Flammability 0, Reactivity 0

Section 302 Extremely Hazardous Substances: None

SARA TITLE III Chemical Listings:

Section 304 CERCLA Hazardous Substances: This product contains the

following toxic chemicals which are subject to reporting: 1% by weight

Caustic Soda (CAS# 01310-73-3).

Section 312 Hazard Class: Acute: Yes; Chronic: No; Fire: No; Pressure: No;

Reactive: No

Section 313 Toxic Chemicals: This product contains the following toxic chemicals which are subject to reporting: 1% by weight Caustic Soda

(CAS# 01310-73-3).

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: sodium hydroxide (CAS# 01310-73-2); sodium hydroxide (CAS# 01314-09-8);

mica (CAS# 12001-26-2); silica, quartz (CAS# 14808-60-7) and silica, amorphous (CAS# 07631-86-9).

California Proposition 65 List:

No known applicable information.

Volatile Organic Content: WHMIS Classification:

None 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: MSDSNUFLEX136DRAFTSTOPCAULK Rev.: 3 Date: 03/14