

MATERIAL SAFETY DATA SHEET

SECTION 01 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:

Chemical Name: **SELF SEAL[®] MW-300 MINERAL WOOL / PI-400 PIPE INSULATION**

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: **August 1, 2005**

Prepared by: **Technical Services Department**

WHMIS Classification: **D2B**

Product Use: **Firestop Packing / Pipe Insulation with Vapor Barrier**

SECTION 02 – COMPOSITION / INFORMATION ON INGREDIENTS:

<u>Ingredients</u>	<u>CAS No.</u>	<u>%</u>	<u>OSHA-PEL</u>	<u>ACGIH-TLV</u>
Man Made Vitreous Fiber (MMVF)	Not available	95.0	Total: 15 mg/m ³ Respirable: 1 fiber/cc <u>NIOSH-REL</u> 3 fibers/cc	Total: 10 mg/m ³ Respirable: 1 fiber/cc <u>NAIMA-REL</u> 1 fiber/cc
Urea extended phenol formaldehyde resin-cured	25104-55-6	2.0 – 5.0	Not available	Not available
ASJ jacketed product only – adhesive contains ethylene-vinyl acetate copolymer	Not available	<1.0	Not available	Not available
Lubricating Oil	8012-95-1	<2.0	5 mg/m ³	5 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 will cause irritation.

Skin: May cause moderate irritation.

Inhalation: Irritates respiratory passages.

Ingestion: Low ingestion hazard.

WHMIS HAZARD SYMBOL(S):



SECTION 04 - FIRST AID MEASURES:

Eyes: Do not rub eyes. Flush with copious quantities of lukewarm water. Seek medical attention if irritation persists.

Skin: Remove contaminated clothing. Wash thoroughly with warm water and non-abrasive soap.

Inhalation: Remove to fresh air and provide water.

Ingestion: Unlikely, contact physician if it occurs.

SECTION 05 - FIRE FIGHTING MEASURES:

Flammable Conditions: The mineral wool and pipe insulation are non-combustible but the vapor barrier or facing on the PI-400 may burn and care should be taken when working around an open flame.

Extinguishing Media:	Carbon dioxide, dry chemical, water fog or foam for surrounding fire conditions.
Fire Fighting Measures:	Self-contained breathing apparatus and protective clothing should be worn in fighting large fires. Determine the need to evacuate or isolate the area according to your local emergency plan.
Flash Point:	Not applicable
Flammability Limits:	Lower Explosion Limit - not available Upper Explosion Limit - not available
Autoignition Temperature:	Not available
Hazardous Decomposition Products:	The organic binder and the vapor barrier or facing on the PI-400 will emit toxic fumes and smoke when oxidized and ventilation is recommended on initial equipment start-up. Hydrocarbon particles, carbon-hydrogen-nitrogen and nitrogen oxide compounds.
Sensitivity - Impact:	None
Static:	None

SECTION 06 – ACCIDENTAL RELEASE MEASURES:

Containment / Clean Up:	Avoid unnecessary handling of scrap materials by keeping waste disposal equipment as close to working areas as possible. Do not let scrap material and debris pile up on floors and other surfaces. 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 and keep container bag tightly sealed when not in use.
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SECTION 08 – EXPOSURE CONTROL / PERSONAL PROTECTION:

Component Exposure Limits:	See SECTION 02 for limits.
Respiratory:	Wear an NIOSH / MSHA approved dust 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:	Solid
Odor and Appearance:	Odorless, grayish in color
Odor Threshold:	Not available
Specific Gravity:	Variable
Vapor Pressure:	Not available
Vapor Density:	Nil
Evaporation Rate:	Not applicable
Melting Point:	95% - 2000°F (1093°C); <5% - 300°F (150°C)
Boiling Point:	Not applicable
Freezing Point:	Not applicable
pH:	Not available
Coeff. Oil/Water Distribution:	Not available

SECTION 10 – STABILITY AND REACTIVITY:

Chemical Stability:	Stable
Incompatible Materials:	Hydrofluoric acid.
Reactive Conditions:	Incompatible materials.
Hazardous Polymerization:	Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION:

Effects of overexposure:	Mechanical irritant to skin, eyes, and upper respiratory system.
Sensitization:	Not known
Carcinogenicity:	IARC Group 3 – Not Classifiable as a Human Carcinogen (“inadequate evidence overall for any cancer risk”); ACGIH Group A3 – Confirmed Animal Carcinogen with Unknown Relevance to Humans.

Reproductive Toxicity:	Not known
Teratogenicity:	Not known
Mutagenicity:	Not known
Synergistic Products:	Not known

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.
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SECTION 14 - TRANSPORT INFORMATION:

Shipping Information:	Not subject to DOT, TDG, IMDG Code or IATA 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:	<u>Section 302 Extremely Hazardous Substances:</u> None <u>Section 304 CERCLA Hazardous Substances:</u> Includes mineral fiber emissions from facilities manufacturing or processing glass rock or slag fibers (or other mineral derived fibers) of average diameter 1 micrometer or less; Statutory RQ = 1 lb (454 grams); no final RQ is being assigned to the generic or broad class (related to fine mineral fibers). <u>Section 312 Hazard Class:</u> Acute: Yes; Chronic: No; Fire: No; Pressure: No; Reactive: No <u>Section 313 Toxic Chemicals:</u> None present or none present in regulated quantities.
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: None known.
California Proposition 65 List:	None known
Volatile Organic Content:	Not applicable
WHMIS Classification:	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: MSMW300PI400 Rev.: 4 Date: 08/05