



# MATERIAL SAFETY DATA SHEET

Schnee-Morehead<sup>®</sup>, Inc.

## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME** : SM -FSA  
**PRODUCT CODE** : SM-FSA  
**DESCRIPTION** : FOAMSEAL FSA  
**MANUFACTURER'S NAME** : Schnee-Morehead, Inc.  
**STREET ADDRESS** : 111 North Nursery Road, Irving, Texas  
**INFORMATION PHONE** : 972-438-9111 **EMERGENCY PHONE** : 800-424-9300 CHEMTREC

## SECTION 2 - HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** Warning! Irritant. Potential sensitizer

**OSHA Regulatory Status:** This product contains components that are considered to be hazardous under OSHA's Hazard Communication Standard (29 CFR 1910.1200)

**Potential Health Effects Inhalation:** Respiratory tract Irritant. High concentration may cause dizziness, headache, and anesthetic effects. May cause respiratory sensitization with asthma-like symptoms in susceptible individuals.

**Potential Health Effects Skin:** Can cause skin irritation: itching, redness, rashes, hives, burning and swelling. May cause skin sensitization, an allergic reaction, which becomes evident on re-exposure to this material.

**Potential Health Effects Eyes:** Can cause moderate irritation, burning, tearing, redness, and swelling. Overexposure may cause lacrimation, conjunctivitis, corneal damage and permanent injury.

**Potential Health Effects Ingestion:** Causes irritation, a burning sensation of the mouth, throat, and gastrointestinal tract and abdominal pain.

**HMIS Ratings: Health 3 Fire 1 Reactivity 1**  
Hazard Scale 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	CAS NUMBER	PERCENT (WGT)
Higher oligimers of methane diisocyanate (MDI)	9016-87-9	30-60%
4,4'-Diphenylmethane diisocyanate	101-68-8	30-60%
1,1' Methylenebis (isocyanato) benzene	26447-40-5	5-10%

## SECTION 4 - FIRST AID MEASURES

**EYE CONTACT :** Immediately flush eyes with water for at least 15 minutes, while holding eyes open. Immediately seek medical attention.

**SKIN CONTACT :** Remove contaminated clothing. Immediately wash exposed area with large amounts of water.

**INHALATION :** If fumes are inhaled and become an irritant, remove person from the area to fresh air. Seek immediate medical attention if exposure has occurred.

**INGESTION :** GET IMMEDIATE MEDICAL ATTENTION! DO NOT INDUCE VOMITING. Do not attempt to give anything by mouth to an unconscious person.



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**NOTES TO PHYSICIANS :** Treat symptomatically.

## SECTION 5 - FIRE FIGHTING MEASURES

**FLASH POINT:** 390 F

**FLAMMABILITY CLASSIFICATION:** III B Combustible Liquid

**EXTINGUISHING MEDIA :** Use methods appropriate for the surrounding fire. Water spray, dry chemical, carbon dioxide, AFFF or alcohol resistant foams are all appropriate.

**Fire Fighting Equipment:** Wear protective clothing suitable for the surrounding fire, including firefighting turnout gear, helmet, and positive pressure self contained breathing apparatus.

**SPECIAL FIREFIGHTING PROCEDURES :** Water may cause frothing of material.

**UNUSUAL FIRE AND EXPLOSION HAZARD :** Solid water stream may spread fire. When exposed to extreme heat closed containers may rupture. Cool containers with flooding quantities of water until after the fire is extinguished. Do not reseal containers if contaminated with water, resin will react with water to release carbon dioxide. As a result of the water contamination, pressure will build up in the sealed container causing it to rupture.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS :** Eliminate all potential sources of ignition. Use appropriate personal protective equipment specified in Section 8

**ENVIRONMENTAL PRECAUTIONS :** Prevent entry into waterways, sewers, basements or confined areas.

**METHODS FOR CONTAINMENT :** Stop leak if you can do so without risk. Dike large spills and cover with dry sand, earth, or other non-combustible material.

**METHODS FOR CLEAN-UP :** Ventilate area of leak or spill. Keep unnecessary and unprotected people away. Absorb spill with non-flammable, inert material such as clay, vermiculite, or diatomaceous earth. Place material in approved waste container for disposal. Dispose of in accordance with all local, state, & federal regulations.

**OTHER INFORMATION :** Material may be neutralized using 10 parts water to 1 part isocyanate solution. Mix and allow to stand for 48 hours in containers, letting evolved carbon dioxide to vent. Neutralizer consist of 90% water, 3-8% concentrated ammonia, 2% detergent.

## SECTION 7 - HANDLING AND STORAGE

**HANDLING :** Do not inhale mists or vapors. Prevent contact with skin and eyes. Wash thoroughly after handling. Before using extinguish all ignition sources. Carefully vent any internal pressure before removing closure.

**STORAGE :** Keep in tightly closed properly, vented containers away from heat, sparks, open flame. Material will start to cure in the presence of humid air or moisture, keep containers closed.

## SECTION 8 - EXPOSURE CONTROL / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment..

**EYE/ FACE PROTECTION:** Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.

**SKIN PROTECTION:** Wear appropriate protective gloves and other protective apparel to prevent skin contact. Consult manufacturers data for permeability information..

**RESPIRATORY PROTECTION:** A NIOSH approved air-purifying respirator with or organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators are limited. Use a positive pressure air supplies respirator if there is any potential for an uncontrolled release, exposure levels are not know, or any other circumstances where air purifying respirators may not provide adequate protection.

**GENERAL HYGIENE:** Use good hygiene practices when handling this material. Wash hands before eating, drinking, smoking or using toilet facilities.

### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE:</b>	Liquid, dark brown to black.		
<b>ODOR:</b>	Slightly musty	<b>Ph:</b>	N/D
<b>PHYSICAL STATE:</b>	Liquid	<b>SPECIFIC GRAVITY:</b>	1.24
<b>VAPOR PRESSURE:</b>	<0.00001 mmHg @77 F	<b>PERCENT NONVOLATILE:</b>	100
<b>VAPOR DENSITY:</b>	8.5 (air = 1)	<b>VOC:</b>	Not Determined
<b>BOILING POINT:</b>	>400 F	<b>FLASH POINT (METHOD):</b>	390 F (Pensky Martins Closed Cup)
<b>MELTING POINT:</b>	< 32 F	<b>UPPER LIMIT:</b>	N/D
<b>SOLUBILITY (H2O):</b>	Insoluble	<b>LOWER LIMIT:</b>	N/D

### SECTION 10 - STABILITY AND REACTIVITY

**CHEMICAL STABILITY:** Stable under ordinary conditions of use & storage.

**CONDITIONS TO AVOID:** Heat, sparks, open flame, other ignition sources & oxidizing conditions. Incompatible materials, oxidizers and oxidizing conditions. Moisture and extended exposure over 85F.

**INCOMPATIBLE MATERIALS:** Oxidizers, acids, bases, isocyanates.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Evolves carbon dioxide, carbon monoxide or hydrocarbon fumes upon combustion or if heated to decomposition.

**POSSIBILITY OF HAZARDOUS REACTIONS:** None

### SECTION 11 - TOXICOLOGICAL INFORMATION

**ACUTE AND CHRONIC EFFECTS:** Contact with product may cause skin irritation. No known chronic effects.

**COMPONENT ANALYSIS –:**

**Higher Oligimers of methane diisocyanates (MDI):** RTECS Number TRO350000

Eye: Eye- Rabbit Standard Draize Test.:100 mg [Mild]  
 Skin: Rabbit LD50 : >9400 mg/kg [Details of toxic effects not reported other than lethal dose value.]  
 Inhalation: Rat LC50: 490 mg/m<sup>3</sup>/4H [Sense organs and special senses (eye) effect, not otherwise specified lungs, Thorax, or Respiration – Respiratory depression Blood – Hemorrhage]



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Ingestion: Oral – Rat LD50 : >49 gm/kg [Behavioral – Somnolence (general depressed activity)  
Gastrointestinal – Hypermotility, diarrhea Nutritional and Gross Metabolic – body  
temperature decrease]

**4,4'-Diphenylmethane diisocyanate:** RTECS Number NQ9350000

Eye: Eye- Rabbit Standard Draize Test.:100 mg [Mild]

Skin: Rabbit LD50 : 2200 mg/kg [Details of toxic effects not reported other than lethal dose value.]

Inhalation: Rat LC50: 178 mg/m<sup>3</sup> [Sense organs and special senses (eye) effect, not otherwise  
specified ]

Ingestion: Oral – Rat LD50 : 9200 gm/kg [Behavioral – Somnolence (general depressed activity)  
Gastrointestinal – Hypermotility, diarrhea Nutritional and Gross Metabolic – body  
temperature decrease]

**CARCINOGENICITY:** NTP: No IARC: 3 OSHA REGULATED: No

**OTHER TOXICOLOGICAL INFORMATION:** None available

## SECTION 12 - ECOLOGICAL INFORMATION

**GENERAL:** No ecotoxicity data was found for the product

**COMPONENT ANALYSIS:** None known

## SECTION 13 - DISPOSAL CONSIDERATIONS

**WASTE NUMBER AND DESCRIPTION:** None identified

**DISPOSAL INSTRUCTIONS:** Waste must be handled in accordance with all applicable regulations. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state, and local requirements. Processing, use or contamination of this product may change the waste management options.

## SECTION 14 - TRANSPORTATION INFORMATION

**PROPER SHIPPING NAME / DESCRIPTION:** Not regulated as a hazardous material under US DOT regulations.

**OTHER INFORMATION:** None

## SECTION 15 - REGULATORY INFORMATION

**US Federal Regulations:**



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Higher Oligimers of methane diisocyanate (MDI):

TSCA Inventory Status: Listed  
SARA: EPCRA – 40 CFR Part 372 – (SARA Title III) Section 313 listed chemical  
New Jersey: Listed : NJ Hazardous List; substance number 3757  
Canada DSL: Listed

4,4'-Diphenylmethane diisocyanate:

TSCA Inventory Status: Listed  
SARA: EPCRA – 40 CFR Part 372 – (SARA Title III) Section 313 listed chemical  
New Jersey: Listed : NJ Hazardous List; substance number 3757  
Massachusetts: Listed  
Pennsylvania: Listed  
Canada DSL: Listed

1,1 – Methylenebis (isocyanateo) Benzene:

TSCA Inventory Status: Listed  
Canada DSL: Listed

Canadian Regulations: WHMIS Hazard Class: D2A; D2B

## SECTION 16 - OTHER INFORMATION

**DATE PREPARED:** 4/15/11

**SUPERSEDES DATE:** NA

**KEY / LEGEND:**

*N/A = Not Applicable, N.A. = Not Available, N.D. = Not Determined, N/E = Not established, UNK = Unknown*

*This document may be used to comply with OSHA's Hazardous Communication Standard, 29 CFR 1910.1200.*

*A MSDS such as this cannot be expected to cover all possible individual situations. The end user of this product has the responsibility to provide a safe workplace. All aspects of an individual operation should be examined to determine if, or where, precautions – in addition to those described herein – are required. Any health and safety information contained herein should be passed on to your customers and/or employees.*

*The opinions expressed herein are those of qualified experts within Schnee-Morehead<sup>®</sup>, Inc. We believe that the information contained herein is current as of the date of this Material Safety Data Sheet. Since the use of this information and the use of this product are not within the control of Schnee-Morehead<sup>®</sup>, Inc., final determination of suitability of this product is the sole responsibility of the user. It is the responsibility of the user to comply with all applicable Federal, State and Local laws and regulations.*