



MATERIAL SAFETY DATA SHEET

Schnee-Morehead[®], Inc.

SECTION I - IDENTIFICATION

PRODUCT NAME : SM7140 Firethane
PRODUCT CODE : SM7140
DESCRIPTION : One-Part Polyurethane Sealant
HAZARDOUS CLASSIFICATION: Flammable
PROPER SHIPPING NAME : Flammable Liquid, N.O.S. Class 3 PG II UN1993
SHIPPING DESCRIPTION : Contains Toluene

H.M.I.S RATINGS:

H	F	R	P
1	2	0	G

SECTION II - MANUFACTURER

MANUFACTURER'S NAME : Schnee-Morehead, Inc.
STREET ADDRESS : 111 North Nursery Road, Irving, Texas
INFORMATION PHONE : 972-438-9111
DATE PREPARED : March 10, 2010

EMERGENCY PHONE : 800-424-9300
SUPERSEDES DATE : November 26, 2009

SECTION III - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	CAS NUMBER	OSHA PEL	ACGIH TLV	OTHER LIMITS	PERCENT (WGT)
Butyl benzyl phthalate	85-68-7	5 mg/m ³	5 mg/m ³		10-15%
Toluene	108-88-3	200 ppm TWA	50 ppm TWA	188 mg/m ³ TWA	3.5%
Toluene Diisocyanate	26471-62-5	Ceiling 0.02 ppm	0.005 ppm TWA	0.02 ACGIH STEL	<1.0%

SECTION IV - PHYSICAL PROPERTIES

SPECIFIC GRAVITY (H₂O=1) : 1.56
NONVOLATILE (% WEIGHT) : 96.5
SOLUBILITY IN WATER : Insoluble
EVAPORATION RATE (BuAc=1) : N/A
VOLATILE ORGANIC CONTENT : 0.46 lbs/gal, 55 g/l
APPEARANCE/ODOR : Color of pigment - pumpable material with slight aromatic odor.

BOILING POINT : N/A
MELT/FREEZE PT : N/A
VAPOR DENSITY : N/A
VAPOR PRESSURE : N/A

SECTION V - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT : 110°F
METHOD USED : Tag Closed Cup (ASTM D56)

FLAMMABLE LIMITS IN AIR BY VOLUME **LOWER** : N/A **UPPER** : N/A

EXTINGUISHING MEDIA : Use carbon dioxide, dry chemical, foam and or water spray

SPECIAL FIREFIGHTING PROCEDURES : Firefighters should wear full emergency equipment with self-contained breathing apparatus. Irritating or toxic gasses may be present during a fire.

UNUSUAL FIRE AND EXPLOSION HAZARD : Overheated, closed containers adjacent to fire can cause the material inside to decompose resulting in pressure build up and possible explosion.

SECTION VI - REACTIVITY DATA

STABILITY : Stable

CONDITIONS TO AVOID : Material will start to cure in the presence of humid air or moisture.

INCOMPATIBILITY (MATERIALS TO AVOID) : Avoid contact with alcohols, amines, strong bases and surface active materials.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS : During a fire this material may form carbon dioxide, carbon monoxide, nitrogen oxides and traces of isocyanates.



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HAZARDOUS POLYMERIZATION : Will not occur.

SECTION VII - HEALTH HAZARD DATA

ROUTE(S) OF ENTRY : **INHALATION?** : Yes **SKIN?** : Yes **INGESTION?** : Not likely

HEALTH HAZARDS (ACUTE AND CHRONIC) : Like all urethane sealants, this product contains isocyanate resins which may cause irritation to the eyes or skin on contact. Tests have shown that no volatile isocyanates are present. Small amounts of residual toluene present may cause skin and respiratory tract irritation.

CARCINOGENICITY: **NTP?**: No **IARC MONOGRAPHS?**: No **OSHA REGULATED?**: Yes

SIGNS AND SYMPTOMS OF EXPOSURE: Upon exposure to the skin, the skin may turn red and burn. A person sensitive to organic solvent may have shortness of breath when using this product.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: This product may be irritating to a person with known allergies.

EMERGENCY AND FIRST AID PROCEDURES:

Skin Contact - Wash with soap and water for 15 minutes. If irritation persists, contact a physician.

Eye Contact - Flush with warm water for 15 minutes and seek medical attention.

Inhalation - Move victim to fresh air. If breathing has stopped give artificial respiration. Seek medical attention.

Ingestion - Do not induce vomiting. Seek medical attention.

SECTION VIII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: Eliminate all ignition sources. Ventilate the area. Clean the material with mineral spirits or a mixture of toluene/alcohol if in an uncured state (wet and pliable). If material is cured, use a solvent such as Dynasolve.

WASTE DISPOSAL METHOD: Cured or neutralized waste product can be landfilled or incinerated. Consult and follow all local, state and federal compliance regulations before disposing of the product.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a clean dry place. Moisture will cause the material to cure.

SECTION IX - CONTROL MEASURES

RESPIRATORY PROTECTION: Not normally required for properly ventilated areas. Respiratory protection should be considered for exposures resulting from unusual applications and/or used in non-ventilated enclosed areas. If this occurs, wear NIOSH/MSHA approved self-contained breathing apparatus or cartridge type respirator.

VENTILATION **LOCAL EXHAUST:** If needed **SPECIAL :** N/A
MECHANICAL : If needed **OTHER :** N/A

GLOVES: Chemical resistant, Impervious

EYE PROTECTION: Safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Use a chemical apron to protect clothing if needed.

WORK/HYGIENIC PRACTICES: Always wash hands after working with this material. Use good hygiene practices.

SECTION X - REGULATORY INFORMATION

Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

SARA Title III Information:

Section 313 - Toxic Chemicals

Pursuant to section 313 of SARA Title III, this product contains one or more toxic chemicals that are present in a concentration in excess of 1 percent of the mixture (0.1 percent, if the listed toxic chemical is a carcinogen).

Toluene



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SECTION XI - DISCLAIMER

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[®], 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[®], 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.

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