



# MATERIAL SAFETY DATA SHEET

**NORDSTROM A909 STEM PACKING**

**FILE NO.:** MSDS0246

**MSDS DATE:** 12/7/2005

**Revision:** Release

<b>SECTION 1</b>	<b>PRODUCT AND COMPANY IDENTIFICATION</b>
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**PRODUCT NAME:** NORDSTROM A909 STEM PACKING

**PRODUCT CODES:** All Sizes & Packaging

**SUPPLIER:** Flowserve – Sulphur Springs Operation

**ADDRESS:** 1511 Jefferson St.  
Sulphur Springs, TX 75482

**EMERGENCY PHONE:** (903) 885-3159

**MSDS REQUESTS:** (903) 885-3151

**FAX:** (903) 439-3313

**PRODUCT USE:** Stem Packing

**PREPARED BY:** John Icenhower

**REVISED BY:**

<b>SECTION 2</b>	<b>COMPOSITION / INFORMATION ON INGREDIENTS</b>
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<u>INGREDIENT</u>	<u>% WT</u>	<u>CAS NUMBER</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Silicone Oil	17	63148-58-3	NA	NA
Polytetrafluoroethylene	53	9002-84-0	NA	NA
Graphite Powder	30	7782-42-5	15 mg/m <sup>3</sup> *	10 mg/m <sup>3</sup> *

**\*NOTE:** All ingredients are encapsulated in a nonhazardous mixture. Injury from airborne dusts should not occur under normal conditions. Refer to OSHA/ACGIH Standard Nuisance Dust and OSHA/ACGIH Total Dust guidelines for more information.

<b>SECTION 3</b>	<b>HAZARDS IDENTIFICATION</b>
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### POTENTIAL HEALTH EFFECTS

**EYES:** None expected.

**SKIN:** Prolonged or repeated exposure may cause irritation in some. Wash hands thoroughly after handling and before using any tobacco products.

**INGESTION:** May be irritating to the gastrointestinal tract.

**INHALATION:** None expected.

**CARCINOGENICITY:** None known.

<b>SECTION 4</b>	<b>FIRST AID MEASURES</b>
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**EYES:** Flush eyes for 15 minutes with water. Contact a physician.

**SKIN:** Wash thoroughly with soap and water. Contact a physician if irritation occurs.

**INGESTION:** Consult a physician.

**INHALATION:** Remove to fresh air.

<b>SECTION 5</b>	<b>FIRE-FIGHTING MEASURES</b>
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**FLAMMABLE LIMITS  
IN AIR:** NA

**FLASH POINT (PMOC):** 1112 °F  
600 °C

**AUTOIGNITION  
TEMPERATURE:** ND

**NFPA HAZARD CLASSIFICATION**

**HEALTH: 1      FLAMMABILITY: 1      REACTIVITY: 0**

**EXTINGUISHING MEDIA:** Dry chemical powder, carbon dioxide, chemical foam.

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear a respirator in confined spaces when fighting fires.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None known

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may produce siloxane oligomers, hydrogen fluoride, methane, formaldehyde, formic acid, tetrafluoroethylene, perfluoroisobutylene, hexafluoropropylene, carbon fluoride.

<b>SECTION 6</b>	<b>ACCIDENTAL RELEASE MEASURES</b>
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**ACCIDENTAL SPILLS:** Recover free material. Add absorbent if applicable and dispose of in accordance with applicable local, state, and federal regulations.  
Wash spill area with a detergent solution.

<b>SECTION 7</b>	<b>HANDLING AND STORAGE</b>
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**HANDLING AND STORAGE:** Store in sealed containers to avoid contamination with foreign material.

**OTHER PRECAUTIONS:** None known

<b>SECTION 8</b>	<b>EXPOSURE CONTROLS / PERSONAL PROTECTION</b>
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**VENTILATION :** Normal ventilation in accordance with good engineering practice.

**RESPIRATORY PROTECTION:** Not needed under normal usage conditions. No respirable dust expected.

**EYE PROTECTION:** Safety glasses recommended as standard practice.

**SKIN PROTECTION:** Use resistant gloves to minimize skin contact.

**OTHER PROTECTIVE EQUIPMENT:** None under normal usage conditions.

<b>SECTION 9</b>	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>
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<b>APPEARANCE:</b>	Dark Grey
<b>ODOR:</b>	Slight
<b>PHYSICAL STATE:</b>	Solid
<b>pH AS SUPPLIED:</b>	NA
<b>BOILING POINT:</b>	NA
<b>MELTING POINT:</b>	NA
<b>VAPOR PRESSURE (mmHg):</b>	Nil
<b>VAPOR DENSITY (AIR = 1):</b>	NA
<b>SPECIFIC GRAVITY (H<sub>2</sub>O = 1):</b>	1.51
<b>EVAPORATION RATE:</b>	NA
<b>SOLUBILITY IN WATER:</b>	Negligible
<b>PERCENT SOLIDS BY WEIGHT:</b>	83
<b>PERCENT VOLATILE BY WT:</b>	<1
<b>VOLATILE ORGANIC COMPOUNDS (VOC):</b>	Nil

<b>SECTION 10</b>	<b>STABILITY AND REACTIVITY</b>
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<b>STABILITY DATA:</b>	Product is stable.
<b>CONDITIONS TO AVOID (STABILITY):</b>	None known
<b>INCOMPATIBILITY (MATERIAL TO AVOID):</b>	ND
<b>HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:</b>	Thermal decomposition may produce siloxane oligomers, hydrogen fluoride, methane, formaldehyde, formic acid, tetrafluoroethylene, perfluoroisobutylene, hexafluoropropylene, carbon fluoride. Avoid fire.
<b>HAZARDOUS POLYMERIZATION:</b>	None known
<b>CONDITIONS TO AVOID (POLYMERIZATION):</b>	None known

<b>SECTION 11</b>	<b>TOXICOLOGICAL INFORMATION</b>
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<b>TOXICOLOGICAL INFORMATION:</b>	ND
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<b>SECTION 12</b>	<b>ECOLOGICAL INFORMATION</b>
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<b>ECOLOGICAL INFORMATION:</b>	ND
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<b>SECTION 13</b>	<b>DISPOSAL CONSIDERATIONS</b>
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**WASTE DISPOSAL METHOD:** Dispose of product in accordance with all local, state, and federal regulations as applicable.

**RCRA HAZARD CLASS:** Nonhazardous

<b>SECTION 14</b>	<b>TRANSPORT INFORMATION</b>
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**U.S. DEPARTMENT OF TRANSPORTATION (DOT):** Not regulated, nonhazardous product

<b>SECTION 15</b>	<b>REGULATORY INFORMATION</b>
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**UNITED STATES FEDERAL REGULATIONS**

**TSCA (TOXIC SUBSTANCE CONTROL ACT):** All components are listed or excluded.

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** None

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):** None

**311/312 HAZARD CATEGORIES:** None

**313 REPORTABLE INGREDIENTS:** None

**OTHER REGULATIONS**

**WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS):** Not regulated

<b>SECTION 16</b>	<b>OTHER INFORMATION</b>
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**DISCLAIMER:** The information presented has been compiled from sources considered to be dependable and is accurate to the best of the seller's knowledge. All data is offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate. It is the obligation of the user to evaluate and use this product safely and to comply with all applicable laws and regulations.

NA = Not Applicable  
ND = Not Determined