



MATERIAL SAFETY DATA SHEET

SAV 733 STICK SEALANT

FILE NO.: MSDS8211
MSDS DATE: 5/28/2002

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| SECTION 1 | PRODUCT AND COMPANY IDENTIFICATION |
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PRODUCT NAME: SERCK AUDCO VALVES (SAV) 733 STICK SEALANT

PRODUCT CODES: Stick Grades Only, All Sizes & Packaging

MANUFACTURER: 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: Valve Sealant and Lubricant

PREPARED BY: Michael Brazeal

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| SECTION 2 | COMPOSITION / INFORMATION ON INGREDIENTS |
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| <u>INGREDIENT</u> | <u>% WT</u> | <u>CAS NUMBER</u> | <u>OSHA PEL</u> | <u>ACGIH TLV</u> |
|---------------------|-------------|-------------------|------------------------|------------------------|
| Polyester Resin | 85-90 | Proprietary | NA | NA |
| Organophilic Clay | 10-15 | 71011-24-0 | 15 mg/m ³ * | 10 mg/m ³ * |
| Inhibitors | <1 | Proprietary | NA | NA |
| Lithium Stearate | 10-15 | 7620-77-1 | 15 mg/m ³ * | 10 mg/m ³ * |
| Propylene Carbonate | 9-11 | 108-32-7 | NA | NA |
| Amide Wax | 5-10 | 8001-78-3 | NA | NA |
| Calcium Stearate | 1-2 | 1592-23-0 | 15 mg/m ³ * | 10 mg/m ³ * |

* **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.

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| SECTION 3 | HAZARDS IDENTIFICATION |
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POTENTIAL HEALTH EFFECTS

EYES: Contact with material may cause irritation.

SKIN: Prolonged or repeated exposure may cause irritation.

INGESTION: May be irritating to the gastrointestinal tract.

INHALATION: None expected.

CARCINOGENICITY: This product contains crystalline silica (less than 1% by weight) which has been determined by IARC to be a potential carcinogen. The organophilic clay used in this product is encapsulated in the mixture and cannot become airborne under normal usage conditions.

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| SECTION 4 | FIRST AID MEASURES |
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EYES: Flush eyes for 15 minutes with water. Contact a physician.

SKIN: Wash thoroughly with soap and water.

INGESTION: Consult a physician immediately.

INHALATION: Remove to fresh air.

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| SECTION 5 | FIRE-FIGHTING MEASURES |
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**FLAMMABLE LIMITS
IN AIR:** NA

FLASH POINT (COC): >320 °F
>160 °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: Incomplete combustion may produce carbon dioxide, carbon monoxide, and other asphyxiants.

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| SECTION 6 | ACCIDENTAL RELEASE MEASURES |
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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.

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| SECTION 7 | HANDLING AND STORAGE |
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HANDLING AND STORAGE: Store in sealed containers to avoid contamination with foreign material.

OTHER PRECAUTIONS: None known

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| SECTION 8 | EXPOSURE CONTROLS / PERSONAL PROTECTION |
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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.

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| SECTION 9 | PHYSICAL AND CHEMICAL PROPERTIES |
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| APPEARANCE: | Tan grease, stick form |
| ODOR: | Slight fatty odor |
| PHYSICAL STATE: | Semisolid / Solid |
| pH AS SUPPLIED: | Neutral / NA |
| BOILING POINT: | NA |
| MELTING POINT: | NA |
| VAPOR PRESSURE (mmHg): | Nil |
| VAPOR DENSITY (AIR = 1): | NA |
| SPECIFIC GRAVITY (H₂O = 1): | 1.17 @ 75 °F |
| EVAPORATION RATE: | Nil |
| SOLUBILITY IN WATER: | Slight to none. |
| PERCENT SOLIDS BY WEIGHT: | 30-52 |
| PERCENT VOLATILE BY WT: | Nil |
| VOLATILE ORGANIC COMPOUNDS (VOC): | Nil |

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| SECTION 10 | STABILITY AND REACTIVITY |
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| STABILITY DATA: | Product is stable. |
| CONDITIONS TO AVOID (STABILITY): | None known |
| INCOMPATIBILITY (MATERIAL TO AVOID): | Avoid strong oxidizers. |
| HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: | Incomplete combustion may produce carbon dioxide, carbon monoxide, and other asphyxiants. Avoid fire. |
| HAZARDOUS POLYMERIZATION: | None known |
| CONDITIONS TO AVOID (POLYMERIZATION): | None known |

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| SECTION 11 | TOXICOLOGICAL INFORMATION |
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| TOXICOLOGICAL INFORMATION: | ND |
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| SECTION 12 | ECOLOGICAL INFORMATION |
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| ECOLOGICAL INFORMATION: | ND |
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| SECTION 13 | DISPOSAL CONSIDERATIONS |
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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

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| SECTION 14 | TRANSPORT INFORMATION |
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U.S. DEPARTMENT OF TRANSPORTATION (DOT): Not regulated, nonhazardous product

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| SECTION 15 | REGULATORY INFORMATION |
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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

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| SECTION 16 | OTHER INFORMATION |
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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