

MATERIAL SAFETY DATA SHEET

ALAKS TECH LLC

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IN CASE OF EMERGENCY CALL 440-796-3030. CONTACT ONLY IN THE EVENT OF CHEMICAL EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPLOSION OR ACCIDENT INVOLVING CHEMICALS.

Product Name: **F-721 Penetrating Sealer Concentrate** Effective Date: 8/23/13

1. HAZARDOUS INGREDIENTS:

| <u>Chemical Name</u> | <u>CAS Number</u> | <u>EINECS</u> | <u>Wgt %</u> |
|----------------------|-------------------|---------------|--------------|
| <i>2-Propanol</i> | 67-63-0 | 200-661-0 | <5.0 |

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). In addition, other substances not Hazardous per this OSHA standard may be listed.

2. PHYSICAL DATA:

BOILING POINT: 175F
VAPOR PRESSURE>10 mmHg at 20C
VAPOR DENSITY: >1.0 (Air=1)
SOLUBILITY IN WATER: Complete
SPECIFIC GRAVITY: 1.1
APPEARANCE: Amber liquid.
ODOR: mild alcohol odor
pH: 8.5

3. FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT: 155 F
METHOD USED: PMCC ASTM D93
FLAMMABLE LIMITS
LFL: 2%
UFL: 12%
EXTINGUISHING MEDIA: foam, CO₂, dry chemical, water spray or water fog.
FIRE AND EXPLOSION HAZARDS: Vapor accumulations may flash or explode if ignited. Keep ignition sources, open flames, etc., away from these fumes.
FIRE-FIGHTING EQUIPMENT: wear positive pressure SCBA

4. REACTIVITY DATA

STABLE: YES
CONDITIONS TO AVOID: Avoid heat, sparks & flame.
INCOMPATIBILITY: (SPECIFIC MATERIALS TO AVOID) Strong Acids, Alkalies, Oxidizers. Avoid contact with Aluminum, Zinc or other reactive metals.
HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen Fluoride, Carbonyl Fluoride. Oxides of carbon when burned.
HAZARDOUS POLYMERIZATION: Will not occur.

5. ENVIRONMENTAL AND DISPOSAL INFORMATION:

ACTION TO TAKE FOR SPILLS/LEAKS: Soak up in absorbent material and collect in suitable containers. Residual may be removed using soapy water. Do not flush into sewers or natural waterways.

6. HEALTH HAZARD DATA:

EYE: Severe irritation and discomfort. Reversible and/or irreversible corneal damage may occur..

SKIN CONTACT: No significant effects beyond minor irritation are expected.

INGESTION: Gastrointestinal irritation and/or discomfort.

INHALATION: Respiratory tract irritation and/or headache possible. Significant systemic toxic effects are likely following repeated exposure to high concentrations.

7. FIRST AID:

EYES: Immediately flush eyes with plenty of water for 15 minutes. Seek medical attention if irritation persists.

SKIN: Wash exposed area with mild soap and water. Seek medical attention if irritation persists.

INGESTION: Do not induce vomiting. Danger from aspirating into lungs exceeds short term toxic effects. Seek immediate medical attention.

INHALATION: Remove to fresh air if effect occurs. Consult medical personnel.

8. HANDLING PRECAUTIONS:

2-Propanol Exposure Limits

| | OSHA PEL | | ACGIH TLV | | Supplier OEL | |
|-------------|----------|-------------------|-----------|-------------------|--------------|-------------------|
| | ppm | mg/m ³ | ppm | mg/m ³ | ppm | mg/m ³ |
| TWA | 400 | 980 | 400 | 983 | NL | NL |
| STEL | 500 | 1225 | 500 | 1230 | NL | NL |

VENTILATION: If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure guidelines, additional ventilation or exhaust systems may be required.

Where explosive mixtures may be present, electrical systems safe for such locations must be used.

RESPIRATORY PROTECTION: Use NIOSH/MSHA approved respirators when vapors or mist concentrations exceed permissible exposure limits.

SKIN PROTECTION: For brief contact, no precautions other than clean body-covering clothing should be needed. Use impervious gloves when prolonged or frequently repeated contact could occur.

EYE PROTECTION: Use safety glasses.

The Fluorochemical component of this product may have the potential to induce pneumonia-like conditions if dispersed as a fine particle. When spraying this product always maintain a coarse spray pattern that produces a particle size no smaller than 15 microns.

9. ADDITIONAL INFORMATION:

SPECIAL PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Use appropriate personal protection as specified in Section 8. Handle in well ventilated area. Store unopened containers under cool, dry and ventilated conditions. Keep away from heat, sparks and flame.

10. NFPA HAZARD RATING

| | | |
|-------------------|-------------------|----------|
| 4 = EXTREME | HEALTH | 1 |
| 3 = HIGH | FIRE | 2 |
| 2 = MODERATE | REACTIVITY | 0 |
| 1 = SLIGHT | | |
| 0 = INSIGNIFICANT | | |

11. TOXICOLOGICAL INFORMATION:

| Hazardous Component (Chemical Name) | CAS# | NTP | IARC | ACGIH | OSHA |
|--|-------------|------------|-------------|--------------|-------------|
| 2-Propanol | 67-63-0 | n.a. | n.a. | A4 | n.a. |

12. ECOLOGICAL INFORMATION

None known.

13. DISPOSAL CONSIDERATIONS

Keep away from natural water sources. Under EPA-RCRA (40 CFR 261) If this product becomes a waste material, it is not hazardous waste. Refer to latest EPA or state regulations regarding proper disposal.

14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT): DOT Proper Shipping Name – Consumer Commodity ORM-D
ADDITIONAL TRANSPORT INFORMATION: No Data Available.

15. REGULATORY INFORMATION

(Not meant to be all-inclusive. Selected regulations represented)

This product contains the following toxic chemicals currently subject to the reporting requirements of SARA Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

CAS Number 67-63-0 2,-Propanol, Weight <5%

16. OTHER INFORMATION

The information herein is given in good faith, but no warranty expressed or implied is made. ALAKS TECH LLC urges suppliers and users of this product to evaluate its suitability and compliance with local regulations, as ALAKS TECH LLC cannot foresee the nature of the application or final location of usage.

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