

6/04/90 Essentially Similar to U. S. Department of Labor Form OSHA-17A

**SECTION 1**

MANUFACTURER'S NAME: Four Star Services, Inc. EMERGENCY TELEPHONE: (260)824-5384  
 ADDRESS: (Street, City, State, and ZIP Code) 2275 N. Main Street, Bluffton, Indiana 46714  
 TRADE NAME: Perk Soil Treatment PRODUCT CODE: 419

**SECTION II - HAZARDOUS INGREDIENTS**Isopropanol CAS#67-63-0TLV UNITS: 400PPM**SECTION III - PHYSICAL DATA**

BOILING POINT (F): 180° F SPECIFIC GRAVITY (112/0=1): 1.00  
 VAPOR PRESSURE (mm Hg.): Undetermined PRODUCT pH: 8.5  
 SOLUBILITY IN WATER: Complete MELTING POINT: Undetermined  
 APPEARANCE AND ODOR: Dark brown with alcohol odor

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT (Method used): Undetermined  
 EXTINGUISHING MEDIA: Water, CO2, Foam  
 SPECIAL FIRE FIGHTING PROCEDURES: None  
 UNUSUAL FIRE AND EXPLOSION HAZARDS: Non-Flammable

**SECTION V - HEALTH HAZARD DATA**

THRESHOLD LIMIT VALUE: 400 PPM-based on raw material TLV  
 CARCINOGEN: No  
 ACUTE & CHRONIC HEALTH EFFECTS: Undetermined  
 PRIMARY ROUTES OF ENTRY: INHALATION \_\_\_\_\_ SKIN X INGESTION: X  
 EFFECTS OF OVEREXPOSURE: Skin & eye - May cause eye irritation. Ingestion - May be harmful if swallowed. Inhalation - May cause irritation.  
 EMERGENCY & FIRST AID PROCEDURES: Eye - Wash with water. Ingestion - give milk or water to drink. Get medical attention. Advise that product contains synthetic detergents.

**SECTION VI - REACTIVITY DATA**

STABILITY: UNSTABLE \_\_\_\_\_ STABLE X CONDITIONS TO AVOID None  
 INCOMPATIBILITY (Materials to Avoid): None

**SECTION VII - SPILL OR LEAK PROCEDURES**

STEPS TO TAKE IN CASE MATERIAL IS RELEASED OR SPILLED: Clean up with water  
 WASTE DISPOSAL METHOD: Follow Federal and Local Regulations

**SECTION VIII - SPECIAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION (Type): Adequate ventilation  
 PROTECTIVE GLOVES (Type): Rubber EYE PROTECTION: Goggles if splashing occurs  
 OTHER PROTECTIVE EQUIPMENT: None

**SECTION IX - SPECIAL PRECAUTIONS**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: No special requirements  
 OTHER PRECAUTIONS: None

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