



MATERIAL SAFETY DATA SHEET

PRODUCT NAME: SOLVENT BASED GROUT SEALER

CH04

Section 1: Product Information

Distributed By: Hydro-Force, 4282 S 590 W, Salt Lake City, Utah 84123

Company Phone Number: 801-268-2673

Emergency Phone Number: 800-535-5053 (Infotrac)

Date Prepared: 8/10/09

Hazard Rating (Zero=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)

Fire: 2 Health: 1 Reactivity: 0

Section 2: Composition / Information or Ingredients

Hazardous Ingredient	CAS	OSHA PEL	OSHA HAZARD
Petroleum Spirits	64742-48-9	177 p.p.m.	Acute
Perfluorinated Polymer		300 p.p.m.	Acute

Section 3: Hazard Identification

Potential Health Effects

This product may be harmful or fatal if ingested. Eye contact will be irritating. Repeated or prolonged skin exposure may be irritating. Inhalation of mist produced during use may irritate mucous membranes. There are no animal test data or information available to predict the human health effects of overexposure to this product. High vapor concentrations (greater than 1000 ppm) may cause headaches and dizziness, and are anesthetic.

Carcinogenicity Information

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

Section 4: First Aid Measures

Inhalation

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and call a physician.

Skin Contact

Flush skin with soap and water after contact. Wash contaminated clothing before reuse.

Eye Contact

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician if irritation persists.

Ingestion

If swallowed, do not induce vomiting. Keep at rest and call a physician.

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Section 5: Fire-Fighting Measures

Flammable Properties

Flash Point 125 degrees Fahrenheit by TCC

Fire and Explosion Hazards

This product is combustible. It can form combustible mixtures at temperatures at or above the flashpoint. Material can accumulate static charges which can cause an incendiary electrical discharge. Empty containers retain such product residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. If involved in a fire, the product can release small quantities of toxic hydrogen fluoride and carbonyl fluoride fumes.

Extinguishing Media

Use water spray to keep fire-exposed surfaces cool. In case of small fires, use water spray, foam, dry chemical or carbon dioxide to extinguish fire.

Fire Fighting Instructions

Evacuate personnel to a safe area. Keep personnel removed and upwind of fire.

Respiratory protection is recommended for fire fighting personnel. Avoid breathing decomposition products.

Section 6: Accidental Release Measures

Safeguards (Personnel)

Review Fire Fighting Measures and Handling (Personnel) sections before proceeding with clean-up. Use appropriate Personal Protective Equipment during clean-up. Spill area will be slippery.

Spill Clean Up

Contain spill and salvage as much material as possible. Soak up with sawdust, sand, oil dry or other absorbent material. Shovel or sweep up.

Section 7: Handling and Storage

Handling (Personnel)

Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Do not aerosolize. Always provide good ventilation. Use only low pressure sprayers (less than 60 psi). Never use a "power painter" as they generate high pressure and aerosolize product. Wear NIOSH/MSHA approved respiratory protection.

Handling (Physical Aspects)

Wear appropriate protective equipment.

Storage

Store in a well ventilated place. Keep container tightly closed. Keep away from open flames, heat, sparks, pilot lights, static electricity, and heated surfaces. Store at room temperature if possible or above 45 Fahrenheit. Use proper grounding procedures due to electrostatic accumulation hazard.

Section 8: Exposure Controls / Personal Protection

Engineering Controls

Use only with adequate ventilation. Vent fumes outside work area. When applying as a

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spray, use exhaust ducts, fans, and other design features to minimize worker exposure to mists, vapors, and overspray.

Personal Protective Equipment

Eye/Face Protection

Wear safety glasses or coverall chemical splash goggles.

Respirators

Wear NIOSH/MSHA approved respiratory protection.

Protective Clothing

Where there is potential for skin contact, have available and wear as appropriate, impervious gloves, apron, pants and jacket.

Exposure Guidelines

Recommended exposure limit is 300 ppm for an 8 hour workday.

Other

Do not consume food, drink, or tobacco in areas where they may become contaminated by this material. Always wash hands thoroughly with soap and water before smoking.

Section 9: Physical and Chemical Properties

Boiling Point (°F).....346-406°F

Vapor Pressure (mmHg.).....1.2MM HG

Vapor Density (AIR=1).....5.2

Solubility in Water.....5%

Specific Gravity(H₂O=1).....0.0759(60°F)

Percent Volatile by Volume...99%

PH (1% Solution).....NA

Appearance & Odor.....Clear liquid, little or no color - slight Aliphatic Solvent odor

Section 10: Stability and Reactivity

Chemical Stability Stable

Incompatibility Avoid strong oxidizers and water

Polymerization Will not occur

Other Hazards Decomposition: Heating above 392 Fahrenheit or in fire conditions may form toxic decomposition products. These products may cause severe eye, nose, throat, and lung irritation. Use adequate ventilation.

Section 11: Toxicological Information

Acute Effects

Petroleum Spirits are minimally toxic orally (LD50 > 10000 mg/kg) and are minimally toxic on skin (LD50 > 3160 mg/kg).

Chronic Effects

Vapor/aerosol concentrations for petroleum spirits above recommended exposure levels are irritating to the eyes and respiratory tract, may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness and other central nervous system effects including death.

Prolonged and/or repeated skin contact with low viscosity materials may defat the skin resulting in possible irritation and dermatitis.

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Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema.

Section 12: Ecological Information

Ecotoxicity: Petroleum Spirits may cause long-term adverse effects in the aquatic environment.

Biodegradation: Petroleum Spirits are expected to be readily biodegradable.

Hydrolysis: Petroleum Spirits Transformation due to hydrolysis not expected to be significant.

Photolysis: Petroleum Spirits Transformation due to photolysis not expected to be significant.

Atmospheric Oxidation: Petroleum Spirits expected to degrade rapidly in air

Section 13: Disposal Considerations

Contain with chemical absorbent material. Do not dispose of on the land, in surface waters, or in storm drains. Small spills and waste may be flushed into a waste treatment sewer where local regulations permit. Larger quantities should be collected for reuse or consigned to a licensed hazardous waste hauler for disposal in accordance with federal, state and local regulations. **All disposal must be in accordance with all federal, state and local regulations.**

Section 14: Transportation Information

Ground Transportation: Ship ORM-D in gallon containers or smaller.

Air Transportation: Do not ship by air without checking appropriate regulations.

Maritime Transportation: UN1268, Petroleum Distillates , NOS , PG III

Section 15: Regulatory Information

Petroleum solvent (CAS# 64742-48-9) MASS, OSHA WAC, PA, TXAIR, WHMIS

All components are listed on TSCA

MASS = Massachusetts Hazardous Substance List

OSHA WAC = OSHA Workplace Contaminants

PA = PA Right-to-Know List of Hazardous Substances

TXAIR = Texas Air Contaminants with Health Effects Screening Level

WHMIS = Workforce Hazardous Material Information System

Section 16: Other Information

This product has no established regulatory information. All regulatory information given is based on individual components of the mixture by component number. While this information and recommendations set forth herein are believed to be accurate and reliable, it is provided without warranty regarding its accuracy. HYDROFORCE MANUFACTURING MAKES NO

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WARRANTY WITH RESPECT HERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON. Users must determine safe conditions for use and assume liability for any loss, injury, damage or expense resulting from use of this product.

N/A= Not applicable N/D= Not determined N/E= Not established