



# Material Safety Data Sheet

## DSI Inhibit Fluid

**MANUFACTURER:** DSI Ventures, Inc. 1320 Commerce St. Tyler, TX 75702 903-526-7577  
Emergency Number CHEMTREC: 800-424-9300

**PRODUCT IDENTIFICATION** **Synonyms:** Hydrocarbon Dielectric Fluid Additive  
**Chemical Family** Hydrocarbon Oil+ hindered phenolic and aminic antioxidants

### INGREDIENTS

CAS Registry No.	%W	%V	Identification	Carcinogen per NTP, IARC, OSHA
68037-01-4	>80	>80	paraffinic petroleum oil	not listed
128-37-0	<20	<20	hindered phenol antioxidant	not listed
Trade secret	<10	<10	aminic antioxidant	not listed

### PHYSICAL DATA

<b>Boiling Point:</b> wide range	<b>Specific Gravity:</b> 0.79	<b>Vapor Pressure:</b> <0.001 psi @ 20 C.
<b>Percent Solid by wt.:</b> 0.0	<b>pH:</b> 7.0	<b>Vapor Density (air = 1):</b> 18
<b>Solubility in water:</b> very low	<b>Percent Volatile (v/v):</b> nil	<b>Appearance:</b> clear liquid

### FIRE AND EXPLOSION DATA

**ASTM D-92 Flash/Fire points:** Typically, 270 degrees Celsius  
**Recommended extinguishing medium:** Dry chemical or CO<sub>2</sub> foam. Use precautions as with any fire involving petroleum-based materials. Firefighters should wear apparatus with full face mask and full protective equipment.

### REACTIVITY DATA

DSI Inhibit is stable under normal conditions of use. Products of complete combustion of DSI Inhibit are phenolic oxides, carbon dioxide and water. Products of incomplete combustion of any hydrocarbon product include these compounds plus volatile hydrocarbons and carbon monoxide.

### HEALTH HAZARD DATA

**Routes of Exposure:**

**ORAL:** Slightly toxic. Ingestion may cause gastrointestinal distress. Symptoms may include nausea, vomiting and diarrhea.  
**SKIN:** Mild irritant. Repeated or prolonged contact may result in localized irritation of the skin, and may cause allergic reactions in some individuals.  
**EYES:** Severe eye irritant. Avoid contact.  
**INHALATION:** Inhalation of oil mist may cause respiratory irritation. Prolonged exposure may lead to respiratory problems.  
**SPECIAL TOXIC EFFECTS:** None **CARCINOGENIC/MUTAGENIC POTENTIAL:** BHT not classified as a human carcinogen..

### FIRST AID

**INGESTION:** Do not induce vomiting. Get immediate medical attention.  
**SKIN CONTACT:** Remove contaminated clothing. Wash area of contact thoroughly with soap and water. If irritation is present, get medical attention.  
**EYE CONTACT:** Flush the eyes immediately with large amounts of water to ensure thorough rinsing. If irritation persists, get medical attention.  
**INHALATION:** Remove affected person from source of exposure. Get medical attention if irritation persists.

### PERSONAL PROTECTION INFORMATION

**EYE PROTECTION:** Wear safety glasses or goggles to prevent eye contact. Eye baths should be readily available in the area of handling DSI Inhibit.  
**SKIN PROTECTION:** Oil-impervious clothing is recommended to prevent skin contact.  
**RESPIRATORY PROTECTION:** Use MSHA/NIOSH approved equipment when working in areas of heavy oil mist. Ventilation can be used to control or reduce airborne concentrations of oil.

### ENVIROMENTAL AND DISPOSITION INFORMATION

**SPILL OR RELEASE TO THE ENVIRONMENT:** Combine and recover any free liquid. There is no CERCLA reportable quantity of DSI Inhibit. For technical advice, and assistance related to the spill, contact CHEMTREC (800-424-9300) and your local fire department. With small spills, absorb the fluid with sand or clay absorbent, and then flush the area with water. With large spills, contain its flow. A spill of any hydrocarbon fluid to navigable waters that causes a sheen upon the water's surface must be reported immediately to the Coast Guard National Response Center (800-424-8802). Failure to report may result in civil or criminal penalties.  
**WASTE DISPOSAL:** DSI Inhibit, when discarded or disposed, is not listed as a hazardous waste per 40 CFR 261.33.  
**HANDLING AND STORAGE:** This material is not regulated as a hazardous material by the DOT or IMO. Avoid extremes of temperature in storage. Store DSI Inhibit in tightly closed containers in cool, dry, isolated and well ventilated areas, away from sources of ignition or heat. Store drums on their sides so that bungs are below internal liquid level. Do not store in unlabeled containers.

This Material Safety Data Sheet has been prepared in order to help the users of DSI Inhibit. The data contained herein is believed to be accurate, but no guarantees are given with regard to fitness of use in a particular situation.

Effective Date: June 1, 2006  
Completed by David Sundin, Ph.D.