



Material Safety Data Sheet

DSI Sulfur 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 + additives

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
Proprietary	<20	<20	modified hindered phenol	not listed
22819-07-4	<20	<20	benzotriazole	not listed
29385-43-1	<20	<20	tolyltriazole	not listed
Proprietary	<5	<5	heterocyclic sulfur-nitrogen cmpd	not listed

PHYSICAL DATA

Boiling Point: wide range	Specific Gravity: 0.79	Vapor Pressure: <0.001 psi @ 20 C.
Percent Solid by wt.: 0.0	pH: 6.0	Vapor Density (air = 1): 18
Solubility in water: very low	Percent Volatile (v/v): nil	Appearance: clear liquid

FIRE AND EXPLOSION DATA

ASTM D-92 Flash/Fire points: Typically, 277 degrees Celsius

Recommended extinguishing medium: Dry chemical or CO₂ foam. Use precautions as with any fire involving petroleum-based materials. Firefighters should wear apparatus with full face mask and full protective equipment to protect from toxic vapors..

REACTIVITY DATA

DSI Sulfur Inhibitor is stable under normal conditions of use. Products of complete combustion of DSI Sulfur Inhibitor include phenolic oxides, sulfur oxides, sulfur-carbon compounds, carbon monoxide, carbon dioxide and water carbon dioxide and water

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 Sulfur Inhibitor.

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 Sulfur Inhibitor. 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 Sulfur Inhibitor, 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 Sulfur Inhibitor. 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.