

## MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Diesel Fuel Antigel *For Cars* - DFA/77BPS

Manufactured by:

Justice Brothers, Inc.  
2734 East Huntington Drive  
Duarte, CA 91010

Emergency Health Information: (800) 424-9300  
Emergency Spill Information: (800) 424-9300  
CHEMTREC, U.S.A.

Hazard Ratings:

NFPA Code: Health: 2 Fire: 2 Reactivity: 0  
HMIS Code: Health: 2 Fire: 2 Reactivity: 0

### SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

Components:

Stoddard Solvent (CAS 8052-41-3) ACGIH TLV 100 ppm, PEL 500 ppm.

Fuel oil additive containing polyisobutenyl succinic anhydride nitrogen, a combustible liquid.

Aromatic hydrocarbon solvent, naphthalene (CAS 91-20-3) - ACGIH TWA 10 ppm; STEL 15 ppm- Hazardous component, see Section 5.

Heavy aromatic naphtha - Exposure limit 100 ppm - Hazardous component, see Section 5.

Vinyl acetate - TWA 10 ppm; STEL 20 ppm - Hazardous component, see Section 8.

Dipropylene glycol monomethyl ether (CAS 034590-94-8).

### SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 346°F

Vapor Pressure: 2 mm HG @ 100°F (approx.)

Solubility in Water: Negligible

Specific Gravity of Vapor (@ 1 atm., air=1): Greater than air

Specific Gravity: 0.85 @ 60°F

Viscosity (kinematic @ 40°C): 6.6cSt (approx.).

Density: 7.09 lb./gal.

Evaporation Rate (n-Bu Acetate = 1): 0.1

### SECTION 3 - FIRE AND EXPLOSION DATA

Flash Point: 112°F

LEL: 0.8%

UEL: 7.1%

Extinguisher Media: Use foam, dry chemical or water spray to extinguish fire.

Special Fire Fighting Procedures: Use water spray to cool fire exposed surfaces and to protect personnel. Isolate "fuel supply" from fire. Avoid spraying water directly into storage containers due to danger of boilover. This liquid is volatile and gives off invisible vapors. Either the liquid or vapor may settle in low areas

or travel some distance along the ground or surface to ignition sources where they may ignite or explode.

#### SECTION 4 - REACTIVITY AND STABILITY

Stability: Stable.

Materials to Avoid: Avoid contact with strong oxidizing agents, strong acids and alkalis.

Conditions to Avoid: Heat and ignition sources.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, plus unidentified organic compounds may be formed during combustion.

#### SECTION 5 - HEALTH HAZARD DATA

##### PRIMARY ROUTES OF ENTRY:

Inhalation: Negligible hazard at ambient temperatures. High vapor concentrations are irritating to the eyes and respiratory tract, may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness and other central nervous system effects. Avoid breathing vapors or mists. If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get medical attention.

Eye Contact: Mild eye irritation may result from contact with liquid, mist, and or vapors. In case of eye contact, flush with plenty of water. Contact a physician immediately.

Skin: No significant systemic effects are expected under conditions of intended use. Frequent or prolonged contact may irritate and cause dermatitis. Skin contact may aggravate an existing dermatitis condition. In case of contact, wash exposed skin with soap and water. Get medical attention.

Ingestion: This material can irritate the mouth, throat and stomach and cause nausea, vomiting, diarrhea and restlessness. Aspiration into the lungs will cause chemical pneumonia. If this material is swallowed, do not induce vomiting; get medical attention.

Chronic Effects: This product contains vinyl acetate monomer. Preliminary animal data indicate that vinyl acetate monomer shows some evidence of carcinogenicity. This finding is of questionable significance to humans. At high doses of vinyl acetate monomer, reproductive effects were noted in male animals.

## SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Special Precautions: Health studies have shown that many petroleum hydrocarbons pose potential human risks which may vary from person to person. As a precaution, exposure to liquids, vapors, mists or fumes should be minimized.

Respiratory: This material is not expected to present a respiratory hazard because of its low vapor pressure. If excessive mist or vapors result from conditions of use, wear proper NIOSH/MSHA - approved respiratory equipment.

Gloves: The use of gloves impermeable to the specific material handled is advised to prevent skin contact and possible irritation.

Eye Protection: Approved eye protection to safeguard against potential eye contact, irritation or injury is recommended.

Other Protective Equipment: It is suggested that a source of clean water be available in the work area for flushing eyes and skin. Impervious clothing should be worn as needed.

Ventilation: Normal ventilation should be adequate for use as directed. If not, use outdoors or increase ventilation.

## SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE/LEAK PROCEDURES

### Steps to be taken if Material is Spilled or Released:

Contain spill. Remove all ignition sources and safely stop flow of spill that may create a slipping hazard. Prevent spill from entering all water bodies if possible. Evacuate all non-essential personnel. This material will float on water. Absorbent material and pads can be used. Comply with all applicable laws. Spills may need to be reported to the National Response Center (800) 424-8802. The spilled material and any water or soil that it has contacted may be hazardous to animal or aquatic life.

### Waste Disposal Methods:

Dispose of product in accordance with local, county, state and federal regulations.

### Precautions to be Taken in Handling and Storage:

This material is combustible and may be ignited by heat, flame, or other sources of ignition. Keep containers closed and at ambient temperature.

DFA/77BPS

Page 4 of 4

## SECTION 8 - REGULATORY INFORMATION

TSCA: Components of this product are listed on the TSCA inventory.

CERCLA: The reportable quantity of this product is 2,675 pounds. A spill of this amount is subject to the provisions of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and must be reported to the National Response Center by calling 800-424-8802. This product contains Naphthalene.

SARA TITLE III: Under the provisions of Sections 311/312 of the Superfund Amendments and Reauthorization Act, this product is classified into the following hazard categories: Delayed Health, Fire.

This information may be subject to the provisions of the Community Right-to-Know reporting requirements (40 CFR 370) if threshold quantity criteria are met. This product contains the following Section 313 Reportable Ingredient:

<u>COMPONENT</u>	<u>CAS NO.</u>	<u>MAXIMUM %</u>
Naphthalene	91-20-3	5.0

Prop. 65 WARNING: This product contains a chemical (s) known to the state of California to cause cancer, or birth defects or other reproductive harm.

NOTE: The information contained in this Material Safety Data Sheet is furnished without warranty of any kind, expressed or implied. Information in this Data Sheet has been assembled by the manufacturer based on its own studies and on the work of others and is believed to be correct as of the date issued. However, no warranty of any kind is expressed or implied as to the accuracy, completeness, or adequacy of the information obtained herein. The Manufacturer shall not be liable, regardless of fault, to the vendee, the vendee's employees, or anyone for any direct, special or consequential damages arising out of or in connection with the accuracy, completeness, or adequacy of the information obtained herein. It is intended to assist in the normal safe usage of the product.